

**A STUDY TO ANALYZE PERIOPERATIVE BLOOD
UTILIZATION PRACTICES IN NEUROSURGERY
DEPARTMENT OF A TERTIARY
CARE HOSPITAL**

Dr Shivanand

MD THESIS

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SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES

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**A STUDY TO ANALYZE PERIOPERATIVE BLOOD
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CARE HOSPITAL**

A THESIS SUBMITTED BY

Dr Shivanand

TO

SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND
TECHNOLOGY, TRIVANDRUM.

IN PARTIAL FULFILMENT OF THE REQUIREMENTS

FOR THE AWARD OF

MD

2023

DECLARATION BY THE STUDENT

CERTIFICATE

I, **Dr Shivanand** hereby certify that I had personally carried out the work depicted in the thesis titled, “**A study to analyze perioperative blood utilization practices in Neurosurgery department of a tertiary care hospital**”

No part of this thesis has been submitted for the award of any other degree or diploma prior to this date.



Dr Shivanand

Date: 18th July 2023



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The thesis entitled, “A STUDY TO ANALYZE PERIOPERATIVE BLOOD UTILIZATION PRACTICES IN NEUROSURGERY DEPARTMENT OF A TERTIARY CARE HOSPITAL” was carried out under my direct supervision. No part of the thesis was submitted for the award of any degree or diploma prior to this date.

*Clearance was obtained from the Institutional Ethics Committee for carrying out the study.

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The thesis entitled

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IN NEUROSURGERY DEPARTMENT OF A TERTIARY CARE HOSPITAL**

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TABLE OF CONTENTS

Topic	Page Numbers
Introduction	1
Aims & Objectives	4
Review of Literature	6
Materials and Methods	47
Results	56
Discussion	90
Summary and Conclusion	117
Limitations of the Study	121
Bibliography	123
Annexures	131

LIST OF FIGURES

Figure No	Figure Caption	Page No
1	Age distribution of patients in retrospective and prospective group	59
2	Gender distribution of patients in retrospective and prospective group	60
3	Blood group distribution of patients in retrospective and prospective group	61
4	Association between hospital inpatient days and transfusion based on diagnosis for retrospective group	77
5	Association between hospital inpatient days and transfusion based on diagnosis for prospective group	79
6	Association between ICU hours and transfusion based on diagnosis for retrospective group	83
7	Association between ICU hours and transfusion based on diagnosis for prospective group	85
8	Comparison of association between mortality and transfusion in retrospective and prospective group	88

LIST OF TABLES

Table No	Table Caption	Page No
1	Age distribution of patients in retrospective and prospective group	58
2	Gender distribution of patients in retrospective and prospective group	59
3	Blood group distribution of patients in retrospective and prospective group	61
4	Diagnosis and procedure of patients included in retrospective study and the total number in each category	62
5	Number of patients (Total, crossmatched and transfused) and number of blood units (crossmatched and transfused) during retrospective period	63
6	CT ratio, transfusion probability, transfusion index, blood utilisation, MSBOS and recommendation of type and screen or crossmatch during retrospective period	65
7	Number of patients (Total, crossmatched and transfused) and number of blood units (crossmatched and transfused) during prospective period	68
8	CT ratio, transfusion probability, transfusion index, blood utilisation during prospective period	70
9	Comparison of CT ratio and blood utilisation between retrospective and prospective group	72
10	Comparison of number and percentage of patients for whom type and screen was performed between retrospective and prospective group	73
11	Association between hospital inpatient days and transfusion based on diagnosis for retrospective group	76
12	Association between hospital inpatient days and transfusion based on diagnosis for prospective group	78
13	Association between hospital inpatient days and usage of blood components	80
14	Association between BC depletion and IP days	80
15	Association between ICU hours and transfusion based on diagnosis for retrospective group	82
16	Association between ICU hours and transfusion based on diagnosis for prospective group	84
17	Association between ICU hours and usage of blood components	86
18	Association between ICU hours and BC Depletion	86
19	Comparison of association between mortality and transfusion in retrospective and prospective group	87
20	Association between mortality and usage of blood components	89
21	Association between mortality and usage of BC Depletion components	89

22	List or procedures which were managed by type and screen only	101
23	Type and screen procedures which required blood during intraoperative period	105
24	Revised MSBOS based on prospective study group and its comparison with retrospective group	111
25	Transfusion Indices comparison with other studies	113

LIST OF ABBREVIATIONS

S No	Abbreviation	Full Form
1	AAA	Abdominal Aortic Aneurysm
2	AABB	Association for the Advancement of Blood and Biotherapies
3	ABS	Antibody Screening
4	ABT	Allogeneic Blood Transfusion
5	ACDF	Anterior Cervical Discectomy and Fusion
6	ACM	All - Cause Mortality
7	AHG	Anti - Human Globulin
8	AHG-XM	Anti - Human Globulin Crossmatch
9	AKI	Acute Kidney Injury
10	ANH	Acute Normovolemic Hemodilution
11	ASA	American Society of Anesthesiologists
12	AVM	Arterio - Venous Malformation
13	BC	Buffy Coat
14	BU	Blood Utilisation
15	BUN	Blood Urea Nitrogen
16	BT	Blood Transfusion
17	CABG	Coronary artery bypass graft
18	CSF	Cerebrospinal Fluid
19	CTR	Crossmatch to Transfused Ratio
20	CT Ratio	Crossmatch-to-Transfusion Ratio
21	C and M	Cross and Match
22	CRC	Colo Rectal Cancer
23	CSM	Cancer Specific Mortality
24	CSS	Cancer Specific Survival
25	DAT	Direct Antiglobulin Test
26	FFP	Fresh Frozen Plasma
27	Hb	Hemoglobin
28	HCT	Hematocrit
29	HGB	Hemoglobin
30	HIV	Human Immunodeficiency Virus
31	HTLV	Human T – Lymphotropic Virus
32	IAT	Indirect Antiglobulin Test
33	ICU	Intensive Care Unit
34	I & D	Incision and Drainage
35	IgG	Immunoglobulin G
36	IgM	Immunoglobulin M
37	IS CX	Immediate Spin Crossmatch
38	INR	Indian National Rupees
39	IP	Inpatient

40	IS	Immediate Spin
41	LOS	Length of Stay
42	LCM	Lymphocytic Choriomeningitis
43	MOF	Multiple - Organ Failure
44	MRD	Medical Records Section
45	MSBOS	Maximum surgical blood order schedule
46	MSTS	Metastatic Spinal Tumor Surgery
47	NC	Not Calculated
48	OS	Overall Survival
49	PABD	Pre - Autologous Blood Donation
50	PBM	Patient Blood Management
51	PBT	Peri - Operative Blood Transfusion
52	PRBC	Packed Red Blood Cells
53	PRC	Packed Red Cell Concentrates
54	PTT	Pre - Transfusion Testing
55	RBC	Red Blood Cells
56	RCC	Renal Cell Carcinoma
57	RCT	Randomised Control Trial
58	RFS	Recurrence - Free Survival
59	SCTIMST	Sree Chitra Tirunal Institute for Medical Sciences and Technology
60	SD	Standard Deviation
61	SSI	Surgical Site Infection
62	TACO	Transfusion - Associated Circulatory Overload
63	TAD	Transfusion Associated Dyspnoea
64	TAH	Transfusion - Associated Hypotension
65	T and C	Type and Crossmatch
66	TI	Transfusion Index
67	TITS	Transfusion Index for Type and Screen
68	TNTS	Trans – Nasal, Trans - Sphenoidal
69	TP	Transfusion Probability
70	TPTS	Transfusion Probability in Type and Screen
71	TRACS	Transfusion Requirements After Cardiac Surgery
72	TRALI	Transfusion - Related Acute Lung Injury
73	TRICC	Transfusion Requirements in Critical Care
74	TRIM	Transfusion - Related Immunomodulation
75	T and S	Type and Screen
76	TT virus	Torque Teno Virus
77	VP	Ventriculoperitoneal
78	WAPI	Waste as a Percentage of Issued Units
79	XM	Crossmatch

SYNOPSIS

**A study to analyze perioperative blood utilization practices in
Neurosurgery department of a tertiary care hospital**

SYNOPSIS

BY

Dr Shivanand

for MD Degree

of

**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND
TECHNOLOGY, TRIVANDRUM**

SYNOPSIS

It is a retrospective and prospective observational study to analyze the transfusion practices in Neurosurgery department. The key is to identify which neurosurgical procedures require perioperative transfusion and how many units. Also, to identify those which doesn't require transfusion at all. This will reduce the unnecessary crossmatching before surgery and help us manage better the workload on department of Transfusion Medicine and cost on patients. There are various methods to measure such practices and analyze the effectiveness. We will calculate crossmatch to transfusion ratio, transfusion probability, transfusion index, blood utilization and formulate MSBOS (maximum surgical blood ordering schedule) for Neurosurgery procedures. This MSBOS will be followed for next one year and the effectiveness will be analyzed. Thus, four-year retrospective and one-year prospective data will be compared to evaluate the effectiveness of the MSBOS that we have formulated.

INTRODUCTION

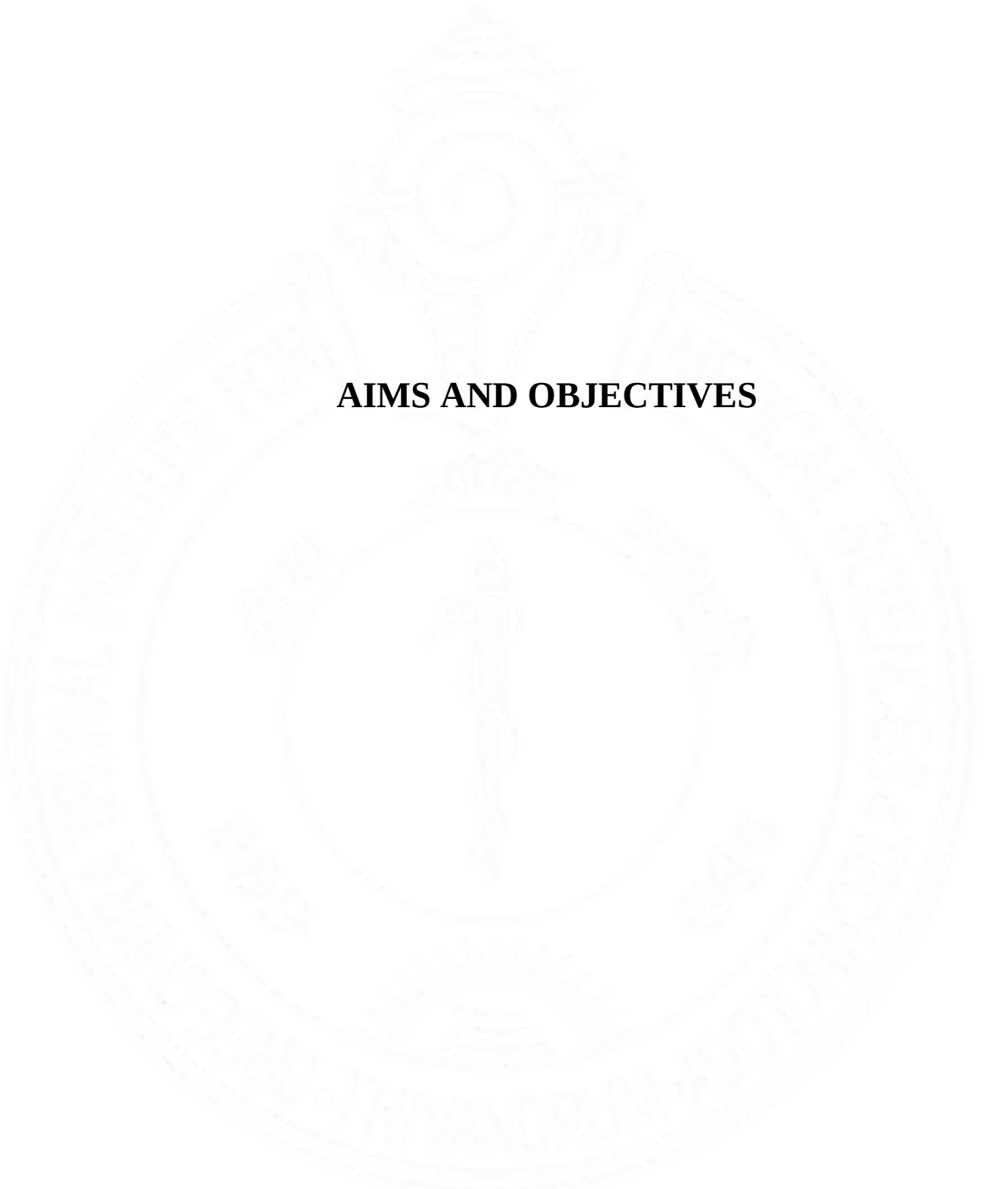
Patient blood management (PBM) is an approach to improve patient outcomes by focussing patient's own blood while promoting patient safety and empowerment based on evidences (1). Managing anemia and reducing the risk of anemia are intended to reduce transfusions of red blood cells (RBCs) and possibly other blood components, in turn reducing risks of anemia, transfusion reactions and other transfusion complications. This patient-centered multimodality and multidisciplinary approach focuses on clinical outcomes rather than the use of blood components. Cost saving can also be seen. Techniques and strategies for optimal PBM span the entire perioperative period from preoperative assessment until discharge from the hospital.

For major or complex surgical procedures with a known high risk of significant blood loss (>500 to 1000 mL), advance discussions with the surgical team, anesthetist and/or the patient's primary clinician may identify opportunities to implement preoperative or intraoperative measures to avoid allogeneic transfusions such as delay of an elective procedure to treat certain causes of anemia, preoperative autologous blood donation, intraoperative blood salvage, acute normovolemic hemodilution (ANH), or use of antifibrinolytic agents or other hemostatic products.

The blood units are reserved pre-operatively for most surgical procedures including neuro surgery. Excessive requests for cross-matched blood can limit the access to blood units the patient needs, increase the burden on the blood center staff, reduce blood center reserves, allow blood units to expire and increase hospital treatment costs. In the type and screen (T and S) procedure, patient blood is tested for ABO-Rh groups and uncommon antibodies. However, T and S do not reserve any specific

donor RBC units for potential use in the patient. In the cross-and-match (C and M) procedure (sometimes referred to as “type and crossmatch”, T and C), in addition to the assays of the T and S, donor cells and recipient serum are tested to detect incompatibility of donor RBCs and recipient serum. If compatible, the donor unit is set aside specifically for the patient for immediate use during surgery. Such units will be out of inventory which makes it unavailable for allotment to other patients who may need it. This may cause blood unit’s expiration and discard which would have been used by needy patients. Type and screen can significantly reduce blood bank workload, cost, and blood wastage. It also saves time if C and M are subsequently ordered intraoperatively. And also, there isn’t significant delay except for 5 minutes to perform immediate spin crossmatch (IM CX). However, type and screen may result in delay during surgery of up to 45–60 min in doing T and C for a patient who unexpectedly needs blood. The fundamental trade-off is between excessive preoperative T and C that is costly and may increase blood discard versus delays for intraoperative crossmatch for patients needing more units than anticipated for them. To optimize this trade-off, guidelines such as the MSBOS have been created.

This study was undertaken to analyze the perioperative blood utilization practices in Neurosurgery and develop MSBOS protocols for the most common procedures. As part of the study, it was planned to follow-up for one year to study the effectiveness of this protocol.



AIMS AND OBJECTIVES

AIM:

The aim of the study is as follows:

To compare the effect of maximum surgical blood ordering schedule in Neurosurgery between pre- and post-implementation

OBJECTIVES:

The objectives of this study are as follows:

1. To analyze perioperative transfusion requirements in common neurosurgical interventions
2. To form a maximum surgical blood ordering schedule for most common procedures of Neurosurgery
3. To impart information to all stakeholders related to blood transfusion and improve blood utilization.
4. To identify the effectiveness of the implementation of MSBOS protocol
5. To find association between morbidity, mortality, and transfusion



REVIEW OF LITERATURE

History

Pre-transfusion testing (PTT) is performed to ensure optimal survival of transfused cells in recipients. Pre-transfusion compatibility testing with blood grouping and cross-matching was first advocated by Reuben Ottenberg in 1908 (2). Since then, it has undergone constant revisions and modifications. The description of the Coombs test by Coombs, Mourant, and Race to identify incomplete antibodies in 1945 added a new dimension to the safety of blood transfusion (3). According to the International Society of Blood Transfusion, 354 red blood cell antigens have been identified (4).

Pre-transfusion compatibility testing has now come a long way from the anti-human globulin (AHG) crossmatch to the shorthand electronic crossmatch (5). In the traditional method of complete crossmatch, blood bags are held for a specific recipient who may not need them. This results in waste of reagents, money, manpower and blood products (6). In addition, a routine Coombs crossmatch may lead to a delay in blood issue. This paved way for a newer method, i.e type and screen (T and S), in which only ABO grouping, Rh typing and antibody screening would be performed, omitting the Coombs crossmatch. This has been invaluable in reducing the need for routine crossmatch in surgical procedures where blood and blood products are rarely administered (7). It has been recommended that patients with a negative antibody screen and a negative history of RBC antibodies do not require a complete 20–60-minute Coombs crossmatch. Thus, in 1984, the American Association of Blood Banks (AABB), now known as the Association for the Advancement of Blood and Biotherapy, first recommended that the conventional crossmatch could be replaced by an abbreviated crossmatch in patients with a

negative antibody screen (8). The probability of missing a clinically significant antibody with a negative antibody screen (false negative) has been reported to be 1–4/10,000 cases (9,10).

Escalating community and government concerns about transmissible infection through blood products have led to the exclusion of more donors and, consequently, a growing imbalance between supply and demand. Emphasis has been returned to the "prescriber" of blood products to ensure appropriate restriction and use in solicitation and transfusion. Friedman et al. (11) were the first to point out that crossmatching of excess blood units was performed preoperatively. Maxwell et al. (12) pointed out that the number of common surgical procedures in which there is a 30% or higher probability that red blood cell transfusions will be given is limited. This comparison of routine red cell use was the first step in the process of determining the appropriateness of transfusion. Excessive requirements for blood crossmatching can limit access to blood units that a patient needs, increase the burden on blood center staff, reduce blood center reserves, increase discards of blood units due to expiration, and increase the cost of hospital treatment. Guidelines such as MSBOS have been created to facilitate this. Historically, MSBOS has been a useful tool to assist the blood center in the preservation of red blood cell concentrates. It continues to be of value where serological crossmatch techniques continue to be used, as well as for hospitals that collect autologous blood.

Pretransfusion compatibility testing: Definitions and guidelines

Pretransfusion testing or compatibility testing is defined as the set of procedures required before blood can be issued as compatible (13). The main purpose is to maintain acceptable survival of the transfused unit. Also, to prevent any destruction that may be caused to the recipient's red blood cells.

Pre-transfusion testing is done as follows:

1. A request form for blood with a sample is accepted
2. The recipient's blood sample is identified
3. The recipient's blood sample is tested for
 - A. Specimen acceptability (adequate volume, hemolysis)
 - B. ABO and Rh D grouping
 - C. Screening for irregular antibodies
 - D. Comparison with records (results of blood type and antibody screening)
4. Component selection and testing
5. Compatibility testing (crossmatching)
6. Correct labeling of donor blood and dispensing.

Test methods (14): Testing can be performed using a conventional tube or any other semi-automated or automated methods such as column agglutination, microtiter plate, solid phase or hemagglutination-microtiter technologies. Automated test systems require validation before implementation or after any change to software functionality. Molecular testing is not routinely performed. However, it can be used to resolve discrepancies in ABO group/RhD typing and to determine RBC antigen

genotyping when serologic typing cannot be performed. Routine use of an antiglobulin crossmatch test is not recommended unless clinically significant unexpected antibodies are detected or if the patient has a history of such antibodies [15,16].

Antibody screening: The recipient's serum should be tested for unexpected antibodies by an indirect antiglobulin test with proper controls (positive, negative, and endpoint using control cells). Antibody screening from the recipient's blood should ideally be performed using a 2- or 3-cell panel. If antibodies are detected in the screening, they should be identified by a red blood cell panel.

- A. Saline test at room temperature (20-25°C): To detect Immunoglobulin M (IgM) cold-reactive antibodies, e.g.: anti-M, anti-N, anti-Lea, anti-Leb, anti-I, anti-P etc.
- B. Test at 37°C: To detect the presence of strong antibodies such as anti-D, anti-E or anti-K that cause agglutination of red blood cells.
- C. Indirect antiglobulin test: To identify warm-reactive IgG and complement-fixing allo- and autoantibodies.

Next, the corresponding antigen-negative RBC unit should be crossmatched in the indirect antiglobulin phase and the compatible units should be transfused.

Compatibility testing is done to ensure that no antibodies are present in the recipient's serum that will react with the donor cells when transfused. The method used should demonstrate ABO incompatibility and clinically significant unexpected antibodies and should include an indirect antiglobulin test (IAT) (13). The

crossmatch can be performed at different stages depending on the temperature and the use of anti-human globulin (AHG) for testing.

1. Immediate Spin Cross Match (IS): Performed to detect ABO incompatibility between donor cells and patient serum
2. Antiglobulin cross match: It is performed to detect incomplete antibodies or immunoglobulin G (IgG)-type antibodies in the recipient's serum against antigens on the donor's cells.

Crossmatching is required for any blood component containing ≥ 2 mL of RBCs.

In urgent cases: In urgent cases where crossmatching may delay the provision of blood that may affect the patient's life, upon receipt of a signed written request from the treating physician stating that the patient's clinical condition is sufficiently urgent to require blood to be issued before ABO and Rh D tests are completed. In such circumstances, recipients whose ABO and Rh(D) type are unknown should receive Rh(D) negative red cells if available, otherwise O Rh(D) positive blood should be used. A recipient whose ABO and Rh(D) type is determined should receive ABO and Rh(D) specific whole blood or red blood cells before compatibility testing is completed.

There are various pre-transfusion testing regimens described by the AABB that may be adopted based on indications for blood requirement, likelihood of transfusion, whether planned surgery, transfusion replenishment.

Here are some of their advantages and disadvantages.

1) HOLD:

- No tests are performed
- A sample has been taken
- ABO, Rh D and antibody screening are not performed

2) TYPE AND HOLD:

- ABO and RhD typing is performed
- Advantage: The sample has been taken and the ABO, Rh D type are known
- The disadvantage is that antibody screening is not performed

3) TYPE AND SCREEN:

- Screening and identification of ABO, Rh D and antibodies is carried out
- As most pre-transfusion tests have been performed: compatible blood can be given in most situations
- Does not include crossmatch

4) TYPE AND SCREEN WITH CROSSMATCH:

- ABO, RhD typing, antibody detection test/identification, erythrocyte unit selection including phenotyping if required and crossmatch is performed
- Since routine pre-transfusion testing is completed, the blood unit is compatible in most situations
- Units are removed from general inventory and may not be available for timely use by other recipients.

Inventory management is an important aspect of transfusion services. Preoperative surgical blood ordering procedures affect component obsolescence rates (14). For example, when RBC units are crossmatched for surgical recipients, they are not available to other recipients and are more likely to expire if the component is not immediately returned to inventory without crossmatch. The crossmatch-to-transfusion (C: T) ratio is the number of RBC units that were crossmatched divided by the number of RBC units that were actually transfused and is most useful in determining individual medical or specialty ordering procedures. When C:T ratios are monitored, a C:T ratio >2.0 may indicate excessive crossmatching and may identify cases where the preoperative type and screen testing is more appropriate.

One approach to reducing excessive C:T ratios is to identify procedures that do not typically require blood and use this information to develop guidelines for the use of type and screen orders or specimen hold orders (specimens that are received on the transfusion service but have no test orders) instead of crossmatch.

One of the key components of a strong patient blood management (PBM) program is a data-driven protocol for determining which patients need preoperative blood orders. The concept of a maximum surgical blood order schedule was first developed in the mid-1970s to avoid over-ordering preoperative blood—hence the term “maximum” in MSBOS (11). It should be based on actual blood utilization data for specific surgical procedures rather than the outdated MSBOS, which is based on consensus opinion (11).

Electronic Anesthesia records, up-to-date institution-specific transfusion data can be used to create a more accurate list of recommended preoperative blood orders. Using an algorithm that includes three variables, the percentage of patients who received a transfusion, the mean estimated blood loss, and the mean number of units transfused per patient. It reduces costs associated with excessive blood orders (17). Blood units will not be unnecessarily set aside for cases that have a low probability of transfusion. Reassignment of preoperative crossmatching and discarding of RBC units leads to potential obsolescence and waste. On the other hand, patients who actually need to prepare blood are more likely to have units of blood ready when they are needed.

Maximum surgical blood collection schedules for common elective procedures can also be developed based on local transfusion utilization patterns. MSBOS serves as a guide not only for how many units should be available, but also for which surgical procedures require type and screen or not. The advent of instant spin (IS) and electronic crossmatching has reduced the utility of MSBOS, and this practice is now primarily useful in hospital transfusion services that do not have the ability to perform electronic crossmatching. There should be a discussion with the clinician and blood center to determine how many units to crossmatch in recipients undergoing elective surgery who are known to have clinically significant alloantibodies and require antigen negative compatible blood.

If MSBOS has been implemented, the transfusion service routinely crossmatches the predicted number of units for each recipient undergoing specified procedures.

Routine orders may need to be modified for recipients with anemia, bleeding disorders, or other conditions that are expected to require increased blood consumption. As in other circumstances that require the rapid availability of blood components, transfusion service personnel should be prepared to provide additional blood components when needed.

The following transfusion indices are commonly calculated to analyze blood utilisation practises for each surgical procedure (18).

1) **Crossmatch to Transfusion ratio (C/T ratio) =**

- Number of units crossmatched /number of units transfused
- A ratio lower than or equal to 2.5 was considered indicative of significant blood usage.

2) **Transfusion probability (TP) =**

- (Number of patients transfused /number of patients crossmatched) × 100%
- A value greater than or equal to 30% was considered indicative of significant blood usage.

3) **Transfusion index (TI) =**

- Number of units transfused / number of patients crossmatched
- A value greater than or equal to 0.5 was considered indicative of significant blood utilization

4) **Blood utilisation (BU) =**

- Number of units transfused / number of units crossmatched) X 100
- A value of < 50% indicates excessive crossmatching for the procedure.

5) **MSBOS** = 1.5 X TI

Why is MSBOS required?

It is reported that around 66 percent of blood transfusions are given in the perioperative period (4). Most of the blood that is crossmatched in the hospital blood center is for patients undergoing surgery, and most of the blood ordered is never transfused (19). Agarwal et al. (20) justified the loss of time and waste of resources for overmatched PRBC units that were reserved but not transfused, total time and economic losses per unit were estimated at 105 minutes and Indian National Rupees (INR) 550, respectively. Considering reserved but non-transfused PRBC units, the total estimated time and economic losses were 48,510 min (33.68 days) and 254,100 INR.

Type and screen safety

Anu KD et al. (3) studied the effectiveness of the T and S method for pre-transfusion testing by comparing the “T and S” method with the “Coombs crossmatch”. They conducted a descriptive cross-sectional study on 2050 patient samples over a period of more than a year. Kappa statistics showed $\kappa = 0.445$ ($P < 0.001$), which means a moderate agreement between the two variables "T and S" and "Coombs crossmatch".

The antibody screening was found to be positive in 29 of the patients (1.41%), but Coomb's crossmatch was incompatible in only 9 cases but compatible in 20 cases. However, this included 11 patients who had allo anti -

D and the crossmatch was performed with type-specific packed red blood cells (i.e., Rh [D] negative blood by blood type), so the crossmatch could not pick up anti D. That shows the result as nine patients (0 .43%) with alloantibodies (anti E, anti K, anti JK^a and five non-specific antibodies) were not missed in the Coombs crossmatch but were identified by antibody screening. This acts as an added advantage to performing T and S testing in all patients where antibodies that are unlikely to be missed by performing Coomb's crossmatching alone due to the absence of a corresponding antigen, or if the antigen is present in a low dose (heterozygous) in the donor's blood.

This study also shows that when antibody screening is negative, the chance of a compatible crossmatch with ABO and RhD specific blood unit is 99.36%. In the 13 cases with an incompatible crossmatch and a negative antibody screen, the incompatibility was mostly weak at 1+, with one case showing a reaction strength of 3+. The serum of all 13 patients was tested for In(a) antibody and one case showing 3+ incompatibility had specificity as anti In(a). However, the clinical significance of the rest of these cases was not evaluated because the specificity of the antibody could not be identified. For transfusion purposes, they created a multi-unit IAT crossmatch to identify compatible blood, which was then dispensed to the patient. This finding paves the way for safe continuation of antibody screening, as 99.36% of the time the blood unit is likely to be compatible before release. They concluded that we should move to the T and S method, but at the same time we need to develop our own panels of red blood cells with adequate representation of the

original antigens. In their study, anti In (a) and Mi (a) would have been missed if only Caucasian antibody screening and identification panels were used.

Tiwari et al. (21) commented on the safety of the T and S methods and found that immediate spin crossmatching after negative antibody screening had a sensitivity of 99.9% and a specificity of 80%. In one patient, they reported missing anti-P antibodies that were captured by antihuman globulin crossmatch (but missed in antibody screening). The study highlighted that in patients with a negative antibody screen, IS crossmatch is as safe as conventional AHG crossmatch and improves care of patient and allows faster availability of many blood units.

Agrawal et al. (22) conducted a study of antibody screening concurrent with routine crossmatch testing in 354 high-risk patients. In their study, there was not a single case where the antibody screening was negative and the AHG crossmatch was incompatible. The study suggested that the T and S policy can be implemented in the Indian setting without compromising blood safety provided adequate technical and infrastructural support is available at the centre.

Pathak et al. (23) also reported the same in a study of antibody screening and Coombs crossmatching in 45,373 hospitalized patients and found not a single case in which the antibody screening was negative and the AHG crossmatch

was incompatible. However, they did not comment on the multiple transfusion or parity status of the patients included in the study.

Chaudhary and Agarwal (6) performed both an antibody screen and an indirect AHG crossmatch in 2026 hospitalized patients. In their study 0.75% showed a positive antibody screening result that would have been missed if only conventional crossmatch had been performed. They reported one case where the AHG crossmatch was incompatible but the antibody screen was negative. This study highlighted that the T and S method reduces the number of unnecessary crossmatch and allows optimal use of blood, as donor blood is not held back by crossmatch for a specific recipient and there is less chance of donor blood expiring.

Heddle et al. (24) examined 9128 patients and found that 0.3% of donated blood was serologically incompatible. They concluded that the antiglobulin crossmatch can be omitted from the PTT with a risk of 0.3% of patients receiving incompatible blood. Boral and Henry et al. (25) conducted a study on 12,848 blood samples. In their study, among 3.89%, antibodies were not detected by antibody screening. Of the 11 antibodies that were not missed in the antibody screen, anti Wr^a was the only antibody that was shown to cause a hemolytic reaction. T and S is a scientifically recognized method and allows the recognition and identification of clinically significant antibodies, which is necessary for PTT to find the corresponding antigen-negative blood unit. This

methodology is extremely useful where the chances of transfusion are low, as blood centers are not burdened with unnecessary crossmatch.

Chourasia et al. (26) concluded that T and S have equivalent safety compared with T and C for pretransfusion testing and should be considered for its utility in scenarios where the likelihood of transfusion is lower. Many authors have demonstrated the safety of various antibody screening methods with studies predicting that more than 99.99% of ABO-compatible erythrocytes would be compatible on AHG crossmatch if the patient has a negative antibody screen (27–30). Relying on IS XM after a negative antibody screen by omitting the AHG crossmatch was safe in terms of post-transfusion outcome (31).

Advantages of type and screen method

AHG crossmatch is not a very effective method for PTT because it overloads blood centers by performing unnecessary crossmatch (about 2-3 times more than blood transfusion). Crossmatched blood is not available for transfusion for 24-48 hours. Surgeons are usually overzealous in ordering crossmatch for elective surgery for fear of delaying the blood supply in an emergency. However, this leads to an unnecessary increase in workload and creates blood shortages and leads to supply problems. Some antigens are missed in the heterozygous state by the conventional Coombs crossmatch, as seen in the study by Anu et al. (3) in the case of one patient with anti Jk^a but compatible crossmatch. Although Coombs crossmatch has its drawbacks, it is a simple

test that requires minimal infrastructure and can be performed at low cost even in remote areas.

Kuriyan and Fox et al. (32) found that using the IS crossmatch instead of the AHG crossmatch resulted in a cost reduction of up to 30%. A prospective study was conducted by Aggarwal et al. (33) for comparisons between T and S with the AHG crossmatch and T and S with the IS crossmatch. They found several benefits of the IS crossmatch, including a significant improvement in the crossmatch-to-transfusion ratio (C/T ratio), reduced turnaround time for issuing blood units, reduced expired blood units, man-hour consumption, and monetary benefits.

TS has been found to reduce the workload and stress of staff working in a busy trauma center (25).

The advantages of (31) "T and S" are cost and manpower savings by avoiding unnecessary Crossmatch (XM) until the AHG phase, but also avoiding the need to reserve units for 72 hours, which is routine practice after XM, i.e inventories for rare blood type units can also be kept at optimal levels. It also allows early identification of clinically significant antibodies and antibodies that exhibit the phenomenon of "dosing" because there is a representation of "double doses" of such matching antigens in cell panel screening and identification.

Disadvantages of type and screen method

As pointed out by Anu K D et al. (3), clinically significant antibodies against which antigens are not expressed on a panel of screening cells are absent. They found an incompatible crossmatch in 0.6% of patients, even when antibody screening was negative. One of the reasons was the weak/heterogeneous/non-expression of the corresponding antigen on the screening cells. Most commercially available cell panels are non-original and reflect a Caucasian population, which may account for the negative antibody screening result in their hospital patient population. They could not assess the clinical significance of the antibody in all cases where the crossmatch was incompatible because the specificity could not be identified. Although 12/13 cases were weak to 1+ incompatibility, one case showed a 3+ incompatibility that could not be overlooked. Another observation from this study was the detection of one case of Mi(a) antibody, which was only possible using an Asian screening panel and would have been missed if Mi(a)-positive cells were not included. Thus, it is necessary that the antibody detection system used by each laboratory be sufficiently sensitive and all antigens for clinically relevant antibodies should be sufficiently represented (8). This fact was also reported by Chaudhary and Agarwal (6) that if the reagent cell panels are not original and that some of the clinically relevant antibodies may be missing. With this method, there may be concerns about the readiness and immediate availability of RBC units in case of immediate requirements (25). Disadvantages (31) of the “type and screen” method would be the possibility of missing antibody against low-frequency antigens not present in the

screening cell panel. Antibody against antigens absent in the population from which the cell panel was prepared is also missing.

MSBOS for Neurosurgery

1. Frank et al. (34)

- Baltimore, USA (2013)
- included 53,526 patients undergoing 1,632 different surgical procedures
- Created updated, institution-specific MSBOS
- MSBOS 4: Thoracic, Lumbar, Sacral fusion
- MSBOS 2: Spinal Tumor, Posterior Cervical Spine Fusion, Spinal Incision and Drainage (I & D), Intracranial Procedures
- T and S: Laminectomy/discectomy, spinal hardware removal/Biopsy
- Type Only: Anterior Cervical Discectomy and Fusion (ACDF), Extracranial Procedures, Nerve Procedure, CSF/Shunt Procedure

2. Guduri et al. (35)

- Multicenter study from India (2020)
- A total of 2674 patients were studied. Most units cross-matched in this specialty were for craniotomy, laminectomy, and discectomy. Very high C/T ratio was found in discectomy and laminectomy followed by cranioplasty. A significant fall of 42% was noted in C/T ratio after implementation of MSBOS. The highest percentage reduction is observed in abscess drainage, discectomy, and microdiscectomy with values of 71%, 67%, and 53%, respectively.
- MSBOS 2: Occipital Cervical Fusion

- MSBOS 1: Craniotomy, Decompression of the Foramen Magnum, Fixation of Odontoid Screws, Evacuation of Subdural Hemorrhage
- T and S: Abscess Drainage, Burr Hole Evacuation, Discectomy, Endoscopic 3rd Ventriculostomy, Mini Craniotomy, Syringo Pleural Shunt, Theco-peritoneal Shunt, Laminectomy, Cranioplasty, Frontal Concussion, External Ventricular Drainage, Shunt, Microdiscectomy

3. Saringcarinkul et al. (36)

- Chiangmai, Thailand (2018)
- 377 patients were studied
- Overall C/T ratio was 6.6, with range from 4 to 53. Intraoperative probability of transfusion was 27%. Intraoperative Transfusion index was 0.6.
- MSBOS 2-4: Meningioma
- MSBOS 2: Aneurysm / Arterio - Venous Malformation (AVM), other tumor, Cerebellopontine Angle, Pituitary/Craniopharyngioma
- T and S: Endoscopic Pituitary, Cranioplasty, Spine, cerebrovascular bypass, other

4. The Labrador Guidelines, 2021 (37)

- MSBOS 2: Arteriovenous Malformation, Craniotomy for Cerebral Aneurysm, Spinal Surgery (Spinal Tumor, Posterior Cervical Spine Fusion, Spinal Incision and Drainage)
- T and S: Other intracranial procedures, Removal of spinal hardware/Biopsy
- Type only: Extracranial procedures, CSF/Shunt procedure

Comparison before and after implementation

Chaurasia et al. (26) retrospectively assessed how TS policy implementation affected pretransfusion testing for nonemergency situations at an urban level I Trauma Center. In their study, the probability of transfusion increased significantly from 23.6% during the TC policy to 29.5% ($P < 0.05$) during the TS policy. The crossmatch to transfusion ratio (C: T) decreased significantly from 5.3 during the TC policy to 1.9 ($P < 0.05$) during the TS policy. The TS policy significantly reduced the mean daily crossmatches from 96.8 RBC units to 32.9 RBC units ($P < 0.05$). There was a significant increase in the mean daily emission pool from 278.6 RBC units to 300.3 RBC units ($P < 0.05$). The ISI also showed a significant reduction from 12.5 to 11.4 ($P < 0.05$). Expiration of RBC units was reduced from 72 to 45 units during the TS policy, which was reflected in a significant decrease in waste as a percentage of units dispensed (WAPI) from 2.3% to 1.3% ($P < 0.05$). The TS policy also resulted in a 35% reduction in costs incurred for pre-transfusion crossmatch of blood. No episodes of hemolytic transfusion reaction were reported during the entire study period.

Pokhrel Anup et al. (31) compared the results of the T and S method versus AHG crossmatch in terms of posttransfusion alloimmunization and hemolytic reactions and the calculated crossmatch/transfusion ratio in both groups. In their study on patients undergoing elective cardiovascular surgery, Group I patients were issued packed RBC units after ABO and RhD typing, antibody screening (ABS) followed by immediate spin XM (T and S protocol) and group II patients anti-human globulin crossmatch (AHG XM). In group I, all 100 patients were antibody screened negative

during pre-transfusion testing and were therefore transfused red blood cell concentrates (PRC) after IS XM. While in group II, incompatibility was observed during AHG XM in 1 patient (1%) of the four units that were crossmatched in this patient. Anti c and anti E alloantibodies were identified during antibody screening and identification.

In each of groups I and II, 99 (99%) patients were transfused and a total of 239 PRBC units were administered. Overall, 116 units of PRBC were transfused in group I out of 348 units crossmatched, so the XM to transfusion (C: T) ratio was 3:1, while the C:T ratio was 3.1:1 in group II as 123 PRC units were transfused from 386 units that were crossmatched. After PRC transfusion, none of the patients in group I or group II had any transfusion-attributable adverse reaction. Furthermore, ABS and Direct Antiglobulin Test (DAT) were negative in all patients in groups I and II, where a post-transfusion sample taken at 72 hours was tested.

Recommendation

Before implementing a T and S policy for pre-transfusion testing, its feasibility should be assessed based on the patient population, blood bank resources, and staff knowledge (25). AHG XM alone is sufficient as a pre-transfusion examination without antibody screening in non-transfused and pregnant patients to ensure optimal use of available resources (31). Antibody screening is a better tool than AHG XM in patients with previous transfusion and pregnancy because they are at risk of alloimmunization (31).

Revision of MSBOS

Agarwal et al. (20) audited blood utilization in patients undergoing elective breast surgery and thereby optimized the blood ordering schedule, economic burden, and loss of clinical resources. Their prospective study included 478 patients with breast cancer who were histo-pathologically confirmed and planned for elective breast surgery over a 6-year period. They followed the crossmatch and reserve policy for all 478 patients as mandated by the MSBOS hospital for breast cancer surgery. Their results showed that a total of 3.3% patients received 71 units of blood and blood components, which included 2.1 units/patient PRC, 1.8 units/ patient FFP, and 0.5 units/patient platelet concentrates. Those patients who were undergoing revision mastectomy and mastectomy with reconstruction (23.5%) were more likely to be associated with intraoperative or postoperative transfusions. However, patients who underwent wide local Excision of the breast, simple mastectomy with axillary clearance, and radical mastectomy required the fewest transfusions, ranging from 1.7% to 2.7%. They observed that 621 PRC units were matched in 478 patients, of whom 34 units were transfused, resulting in a CT ratio of 18:1. They emphasized the revision of the existing MSBOS and the development of a blood ordering protocol that can optimize the efficiency of blood use.

ASSOCIATION BETWEEN TRANSFUSION, MORBIDITY AND MORTALITY

Complications of transfusion:

Adverse effects of blood transfusion include infectious and non-infectious complications. Non-infectious complications can be acute (<24 hours) or delayed (>24 hours) depending on the time of their onset (38). Acute transfusion reactions are febrile non-hemolytic transfusion reaction, allergic reaction, hemolytic transfusion reaction, transfusion-related acute lung injury (TRALI), transfusion-associated circulatory overload (TACO), transfusion-associated hypotension (TAH), transfusion-associated dyspnea (TAD). Delayed transfusion reactions are hemolytic transfusion reaction, serological transfusion reaction, post-transfusion purpura, transfusion-associated graft-versus-host reaction. There are various infectious risks of transfusion that can occur, they are caused by viruses, parasites, bacteria and prions (39). Various infections can be transmitted by blood transfusion

Viruses: Hepatitis (A, B, C, D, E, F, G), retroviruses such as human immunodeficiency virus (HIV-1, HIV-2), human T-lymphotropic virus (HTLV-1, HTLV-2), flaviviruses (Dengue virus, West Nile virus), alpha virus (Chikungunya), herpes viruses, parvovirus B19, Filoviridae (Ebola virus, Marburg virus), pandemic influenza, others such as lymphocytic choriomeningitis (LCM), torque teno virus (TT).

Parasites: Babesiosis, Chaga disease, Malaria, Leishmaniasis, Toxoplasmosis, Microfilariasis.

Bacteria:

From RBC-

Gram-positive bacteria (*Streptococcus* spp., *Staphylococcus aureus*, coagulase-negative streptococci, *Enterococcus faecalis*, *Bacillus cereus*, *Propionibacterium acne*).

Gram-negative bacteria (*Enterobacter* spp., *Escheria coli*, *Klebsiella* spp., *Serratia* spp., *Yersinia enterocolitica*, *Acinetobacter* spp., *Pseudomonas* spp., *Proteus mirabilis*, *Pantoea agglomerans*, Gram-negative bacilli)

From platelets -

In addition to those transmitted by erythrocytes, Gram positive (*Clostridium perfringens*), Gram negative (*Salmonella*, *Morganella*, *Pasteurella*, *Eubacterium limosum*)

Plasma, cryoprecipitate and derivatives - *Pseudomonas cepacia*, *Pseudomonas aeruginosa*, *Enterobacter cloacae*, *Stenotrophomonas multophilia* and *Enterococcus gallinarum*.

Other risks: Iron overload is one of the major problems in chronically transfused patients. Transfusion related Immunomodulation (TRIM) has harmful effects, such as increased risk of recurrence of resected malignancies, postoperative bacterial infection. It can also lead to an increased risk of mortality (39).

Association of morbidity and mortality with blood transfusion:

The RCT by Watering et al. (40) was designed to find an association between allogeneic blood transfusion without white blood cell count (ABT) and postoperative

infection, but instead observed an association between ABT without white blood cell count and mortality. Through a data-driven hypothesis, the authors reported an association between ABT and mortality. They hypothesized that non-WBC-reduced ABT may predispose to multiorgan failure (MOF), which may predispose to mortality.

Bilgin et al. (41) combined data from two randomized control trials (RCTs) and analyzed the effects of platelet and/or plasma transfusions on postoperative complications, intensive care unit (ICU) length of stay, all-cause mortality, and mortality in the presence or absence of postoperative infections period. They found that all-cause mortality was associated with plasma units and not PRC transfusions. Mortality occurring in the presence of or following infections was associated with non-leuko-depleted PRC and platelet transfusions. The number of PRC transfusions without leukodepletion was significantly associated with postoperative infections and ICU stay of 4 or more days. They concluded that perioperative plasma transfusions are independently associated with all-cause mortality.

The Transfusion Requirements in Critical Care (TRICC) RCT by Herbert et al. (42) compared the rate of all-cause death at 30 days and the severity of organ dysfunction between a restrictive red cell transfusion strategy and a liberal strategy. To say as a whole, 30-day mortality was similar in both groups. However, rates were significantly lower with a restrictive transfusion strategy in patients who were less acutely ill and in patients younger than 55 years. However, not among patients with clinically significant heart disease. In restrictive strategy group, the in-hospital

mortality was significantly lower. They concluded that a restrictive RBC transfusion strategy is as effective as, and sometimes superior to, a liberal transfusion strategy in critically ill patients, except in cases of acute myocardial infarction and unstable angina pectoris.

Transfusion requirements after Cardiac Surgery (TRACS) RCT by Hajjar et al. (43) defined whether a restrictive strategy of intraoperative red blood cell transfusion is as safe in elective Cardiac Surgery. The primary endpoints considered were 30-day all-cause mortality and major morbidity (cardiogenic shock, acute respiratory distress syndrome, or acute kidney injury requiring dialysis or hemofiltration). The incidence of the primary endpoint was similar between the two groups. Independent of transfusion strategy, the number of RBC units transfused was an independent risk factor for clinical complications or death at 30 days.

An RCT by Carson et al. (44), known as the FOCUS study, determined whether a higher blood transfusion threshold would improve recovery in patients who underwent hip fracture surgery. They concluded that a liberal transfusion strategy compared with a restrictive strategy did not reduce the rate of death or inability to walk independently at 60-day follow-up, nor did it reduce hospital morbidity in elderly patients at high cardiovascular risk.

Roque et al. (45) in their descriptive cross-sectional study identified factors associated with operative mortality and determined whether perioperative transfusions could influence mortality outcomes in an unselected series of 80 patients

undergoing surgery. Predictive variables associated with operative mortality were the American Society of Anesthesiologists (ASA) score, emergency surgery, and blood transfusion. They concluded that intraoperative transfusion is an independent predictor of postoperative mortality in surgical patients in their 80s.

Breast cancer

Voogt et al. (46) investigated the effect of intraoperative blood transfusion on the survival of breast cancer patients who underwent modified radical mastectomy. The 5- and 10-year survival rates were 53% and 47% for stage I patients who received intraoperative transfusions; in the no-transfusion group, the rates were 93% and 85%, respectively. There was also a significant difference in disease-free survival among stage I patients: the 5- and 10-year survival rates were 47% in the transfusion group; in the non-transfused group, the incidence was 89% and 84%, respectively. In stage II patients, there was no difference in overall survival or disease-free survival between those who received a transfusion and those who did not. These results show that intraoperative blood transfusion has an adverse effect on survival and recurrence rates after modified radical mastectomy. Nowak and Ponsky (47) reported on 81 breast cancer patients who underwent radical or modified radical mastectomy, of whom 41 received transfusions and 40 did not. They found no difference in disease-free survival for all patients between the two groups.

Cardiovascular surgery

Sanaiha et al. (48) used data from a national academic collaboration to test the association between transfusion and 30-day mortality in elective adult Cardiac

Surgery patients. They concluded that a higher preoperative hematocrit (HCT) was associated with lower mortality and adverse events. The relationship between preoperative HCT and mortality was moderated by inclusion of intraoperative transfusions, suggesting that at least part of the effect of HCT on mortality is mediated by intraoperative transfusions. Increased 30-day mortality was associated with perioperative transfusions. The studied models were able to predict 30-day mortality with intraoperative transfusions showing the highest significance.

Engoren et al. (49) studied the effect of erythrocyte transfusion on the long-term survival of patients undergoing heart valve surgery. They found that transfusion had no effect on mortality in patients undergoing isolated valve surgery, but was associated with increased mortality when valve surgery was combined with coronary artery bypass grafting (CABG). Kuduvalli et al. (50) studied the effect of perioperative red blood cell transfusion on 30-day and 1-year mortality after CABG. Predictors of transfusion need were low hemoglobin (Hb) and lower body mass index, use of cardiopulmonary bypass, female gender, number of grafts, renal dysfunction, increased age, extent of disease, and previous CABG. After adjustment for propensity score, reoperation for bleeding, intraoperative blood loss, and postoperative complications, the adjusted 30-day mortality was 1.9% in transfused patients compared with 1.1% in nontransfused patients. They concluded that intraoperative PRC transfusion after CABG is associated with an increased risk of mortality during the 1-year follow-up period, with a large proportion of deaths occurring within 30 days.

Obi et al. (51) studied predictors of intraoperative transfusion and its impact on patients undergoing major vascular surgery. Their study population included patients who underwent open procedures for peripheral artery disease, open abdominal aortic Aneurysm (AAA) repair, or endovascular Aneurysm repair at 22 hospitals. They identified independent factors predicting transfusion, which were female sex, nonwhite race, preoperative admission status (ie, acute care hospital), preoperative anemia, congestive heart failure, previous myocardial infarction, clopidogrel, open AAA repair, open bypass, and emergency procedures. After adjustment for major covariates, perioperative transfusion was independently associated with death, myocardial infarction, and pneumonia. They concluded that intraoperative transfusion in vascular surgery patients is independently associated with increased 30-day morbidity and mortality.

Gastroenterology

Moriguchi et al. (52) retrospectively evaluated the relationship between intraoperative blood transfusion and survival time after curative gastrectomy for advanced gastric cancer. Univariate analysis showed that the survival time of transfusion recipients was significantly shorter than that of non-transfused patients. When they stratified patients to adjust for disease stage, there was no significant difference in survival rates. Subsequently, multivariate analysis showed that intraoperative blood transfusion was not a useful factor for predicting survival time. Instead, it suggests that tumor size, degree of gastric wall invasion, and lymph node metastasis status were the most important variables after curative gastrectomy for advanced gastric cancer. They concluded that there was no relationship between

intraoperative blood transfusion and the survival time of patients who underwent curative resection for advanced gastric cancer.

Kooby et al. (53) retrospectively determined whether transfusion affected intraoperative and long-term outcome in patients undergoing liver resection for Metastatic colorectal cancer. According to their results, blood transfusion was associated with an adverse outcome after liver resection. The greatest effect was in the perioperative course, where transfusion was an independent predictor of operative mortality, serious complications and length of hospitalization. This effect was dose dependent. Patients receiving one or two units or more than two units had operative mortality of 2.5% and 11.1%, respectively, compared with 1.2% in patients who did not require transfusions. They concluded that intraoperative blood transfusion is a risk factor for poor outcome after liver resection. Blood conservation methods should be used to avoid transfusion, especially in patients who currently require a limited amount of transfused blood products.

Jan et al. (54) investigated the effects of blood transfusion with/without leukocyte depletion on long-term survival after curative surgery for CRC. The RBC group had a higher need for assisted ventilation after surgery and a significantly higher proportion of patients with prolonged hospitalization. After a median follow-up of 99.5 months, there was no significant difference in mortality or long-term survival between the groups. Non-transfused patients had a significantly lower proportion of prolonged hospitalization and significantly higher survival compared to transfused patients. They concluded that leukocyte-depleted transfusions improved the

postoperative course after colorectal cancer surgery compared with red blood cell transfusions.

Hanna et al. (55) evaluated the impact of intraoperative blood transfusions on overall survival and disease-free survival in patients undergoing curative resection for stage I–III rectal cancer. They concluded that worse oncologic outcomes after curative resection of rectal cancer in patients receiving intraoperative blood transfusions are due to the clinical circumstances requiring transfusions, not to the blood transfusions themselves. They suggested that concerns about overall survival and disease-free survival should not be an issue in the decision regarding perioperative blood transfusions in patients undergoing curative resection for rectal cancer.

Schiergens et al. (56) concluded in their study that perioperative transfusion is independently associated with earlier disease recurrence in patients undergoing liver resection for colorectal liver metastases. They emphasized appropriate blood management measures, including conservative correction of preoperative anemia, use of low transfusion triggers, and minimization of intraoperative blood loss.

Elwood et al. (57) concluded that intraoperative blood transfusion is independently associated with an increased risk of morbidity and mortality after most major abdominal surgeries.

Long et al. (58) performed a retrospective study to identify factors that were associated with perioperative transfusion and to examine the impact of perioperative transfusion in patients undergoing resection of liver metastases from colorectal

cancer (CRC). They concluded that CRC patients undergoing surgery for liver metastases who receive intraoperative transfusion are at higher risk of in-hospital mortality, postoperative complications, and longer hospital stay.

Lung surgery:

Luan et al. (59) evaluated the effect of intraoperative blood transfusion on the prognosis of patients who underwent lung cancer resection. They found that perioperative blood transfusion appeared to be associated with a worse prognosis in patients undergoing lung cancer resection. They emphasized the importance of minimizing blood transfusion during surgery.

Orthopedic operations:

Muller et al. (60) conducted a systematic review to assess liberal and restrictive blood transfusion regimens for pre-defined outcomes with a particular focus on patients undergoing major orthopedic surgery. They concluded that their study did not indicate an increased risk associated with a restrictive or liberal transfusion regimen in patients undergoing major orthopedic surgery.

Gupta et al. (61) evaluated whether peri- (any time during admission), pre-, intra-, or postoperative transfusion was associated with morbidity and mortality in a geriatric population undergoing hip surgery. They observed that perioperative, intraoperative, and postoperative transfusion were associated with increased postoperative acute kidney injury (AKI). Intraoperative blood transfusion was associated with a 1.9-fold

increase in morbidity, a 2.8-fold increase in AKI, as well as a 3-fold increase in mortality within 60 days.

Urology:

Soubra et al. (62) examined the association between perioperative blood transfusion (PBT) and mortality in patients undergoing surgical treatment for prostate, bladder, and kidney cancer. In the radical prostatectomy cohort, PBT was associated with higher cancer-specific mortality (CSM) and all-cause mortality (ACM). In the radical Cystectomy cohort, PBT was not associated with greater CSM or ACM. In the post-nephrectomy cohort, PBT was associated with greater CSM. They concluded that PBT was associated with increased CSM and ACM in prostate and kidney cancer in a multivariate model. They recommended limiting PBT in patients undergoing urologic cancer surgery, which may confer long-term survival benefits.

Cata et al. (63) in their meta-analysis investigated the effect of intraoperative blood transfusions on oncological outcomes after radical Cystectomy. The main outcomes measured were recurrence-free survival (RFS), cancer-specific survival (CSS), and overall survival (OS). They found that blood transfusions were associated with a 27%, 29%, and 12% reduction in OS, CSS, and RFS, respectively. A sensitivity analysis in their study supported this association. They concluded that intraoperative blood transfusion may be associated with reduced RFS, CSS, and OS in patients undergoing radical Cystectomy for bladder cancer.

Abu-Ghan et al. (64) evaluated whether receipt of intraoperative blood transfusion (BT) differed from postoperative BT with respect to cancer outcomes in renal cell carcinoma (RCC) patients treated with nephrectomy. In multivariate analyses, administration of PBT was associated with significantly worse local disease recurrence, Metastatic progression, cancer-specific mortality, and all-cause mortality. In their analysis, postoperative BT was not independently associated with an increased risk of local recurrence, Metastatic progression, or death from kidney cancer, yet it significantly increased the risk of overall mortality. In this study, intraoperative allogeneic RBC transfusion was associated with an increased risk of cancer recurrence and mortality after nephrectomy. They highlighted the potential adverse outcomes associated with PBT and the need for stricter transfusion criteria to minimize transfusion rates, particularly in the intraoperative setting.

Neurosurgery:

Pull Ter Gunne et al. (65) in their retrospective study evaluated the effect of postoperative hemoglobin level and the use of packed red blood cells (PRBC) or fresh frozen plasma on postoperative patient morbidity, mortality, and length of hospital stay (LOS). In their results, 3% of patients had a postoperative HGB level of less than 8 g/dL, 41.3% had 8 g/dL or more but less than 10 g/dL, and 54.8% had 10 g/dL or more. Multiple analysis showed that patients with an initial postoperative HGB level of less than 8 g/dL were six times more likely to develop a surgical site infection (SSI). The rate of deep SSIs increased with greater postoperative PRBC use. The use of fresh frozen plasma in the operating room was lower in cases that developed SSI. Intensive care unit and ward LOS were longer with increased

postoperative use of blood products. They concluded that patients with high blood loss (greater than 2 L) during Spine surgery who are inadequately resuscitated (HGB level less than 8 g/dL) have a significantly increased risk of SSI.

Butler et al. (66) identified risk factors associated with significant intraoperative transfusion in elective and emergency Spine surgery. Surgical groups with a significant risk of requiring transfusion of >2 units of RBC included deformity surgery, tumor surgery, and trauma surgery. Multilevel surgery (>3 levels) was identified by multivariate regression analysis as having a significant risk of requiring >2 units of RBC transfusion.

Woods et al. (67) determined whether the volume of intraoperative allogeneic RBC transfusion affects the risk of surgical site infection after lumbar Spine procedures. They found that there was no significant difference in the corresponding variables between the infectious cohort and the matched controls. Transfusion volume was significantly associated with surgical site infection after adjustment for both confounding variables preoperative hemoglobin levels and volume of intraoperative blood loss. They concluded that an association between surgical site infection after lumbar Spine surgery and the volume of perioperative allogeneic red blood cell transfusion was supported.

Seicean et al. (68) evaluated the effect of intra- and postoperative transfusion on postoperative morbidity and mortality in patients undergoing elective Spine surgery. They found that preoperative hematocrit, duration of surgery, and percentage of

spinal fusion operations were not significantly different between transfused and nontransfused patients. After matching, transfusion remained adversely associated with prolonged hospital length of stay (LOS), postoperative complications, and increased 30-day return to the operating room. Transfusion of even one unit of blood during surgery was associated with prolonged LOS and fewer complications. They concluded that transfusion of erythrocytes or whole blood, even a single unit, increased LOS and postoperative morbidity in patients undergoing elective Spine surgery, independent of preoperative hematocrit level and patient comorbidities.

Clausen et al. (69) evaluated whether intraoperative allogeneic blood transfusion in patients undergoing surgical treatment of spinal metastases independently affected patient survival. In their results, intraoperative allogeneic blood transfusion of 1–2 units were associated with increased 12-month survival but not 3-month survival. Larger transfusion volumes did not significantly affect survival. They concluded that intraoperative blood transfusion <5 units does not reduce survival in patients operated for spinal metastases. Transfusion of 1–2 units appear to be associated with increased 12-month survival. They opined that future studies should assess whether a liberal transfusion regimen can be used in this group of patients.

Janssen et al. (70) tested their null hypothesis in their retrospective cohort that exposure to allogeneic blood transfusion in patients of lumbar Spine surgery is not significantly associated with postoperative infections. They also assessed whether there was a dose-response relationship per unit of blood transfusion. They concluded that there is an increased risk of surgical site infection after exposure to allogeneic

blood transfusion. From their secondary analyses, they showed no dose-response relationship between the number of blood units transfused and any of the postoperative infections.

Vassal et al. (71) identified potential predictive factors of ABT during Craniotomy for removal of Brain tumors in children and the potential impact of intraoperative ABT on early postoperative outcomes. In multivariate analysis, age < 4 years, duration of surgery > 270 minutes, and preoperative hemoglobin < 12.2 g/dL were independently associated with the need for intraoperative ABT. They found no significant difference in postoperative early outcome and length of stay between transfused and non-transfused patients except for the duration of postoperative mechanical ventilation, which was significantly higher in the transfused group. They concluded that in children, Craniotomy for Brain tumor removal is compromised by intraoperative ABT.

Aoude et al. (72) identified predictive factors for blood transfusion and related complications in lumbar and thoracic fusion surgeries. The occurrence of transfusion was 31.8% for thoracic fusion and 17.0% for lumbar fusion. Multivariate analysis showed the predictors of blood transfusion for lumbar fusion. was predictive of transfusion for thoracic fusion. Transfused patients who underwent lumbar fusion were more likely to develop wound infection, venous thromboembolism, pulmonary embolism, and myocardial infarction, and had longer hospital stays. Patients who received transfusions and who underwent thoracic fusion were more likely to have a longer hospital stay.

Paulino et al. (73) evaluated whether exposure to perioperative allogeneic blood transfusions was associated with decreased survival after surgery for spinal metastases and whether there was a dose-response relationship per unit of blood transfusion. They also examined risk factors associated with survival after surgery for spinal metastases. They did not find a dose-response relationship. Other factors associated with poorer survival were older age, more severe comorbidity status, lower preoperative hemoglobin level, higher white blood cell count, higher calcium level, type of primary tumor, previous systemic therapy, poor performance status, presence of lung, liver, or Brain metastases, and surgical approach. They concluded that a more liberal transfusion policy might be warranted in patients undergoing surgery for spinal metastases, with attention to other complications that may occur.

Zae et al. (74) evaluated the effect of intraoperative ABT on disease progression and survival in patients undergoing surgery for Metastatic spinal tumor (MSTS). Neither the blood transfusion exposure nor the amount transfusions were associated with overall and progression-free survival. Factors influencing overall survival were primary tumor type and preoperative Eastern Cooperative Oncology Group performance status, while primary tumor type was the only factor influencing progression-free survival. They concluded that the worst oncological outcomes are likely due to the clinical circumstances requiring blood transfusion, but not the transfusion itself.

Cohen et al. (75) evaluated the effect of intra- and postoperative red blood cell transfusion on postoperative morbidity and mortality in cranial surgery. Patients

undergoing Biopsy, radiosurgery, or outpatient surgery were excluded. When compared, preoperative hematocrit, duration of surgery, and emergency status did not differ between transfused and nontransfused patients. RBC transfusion was associated with increased length of hospital stay, postoperative complications, 30-day return to the operating room, and 30-day mortality. They recommended judicious use of transfusion in cranial surgery, consideration of alternative methods of blood conservation or preoperative restorative strategies in patients undergoing elective surgery when possible.

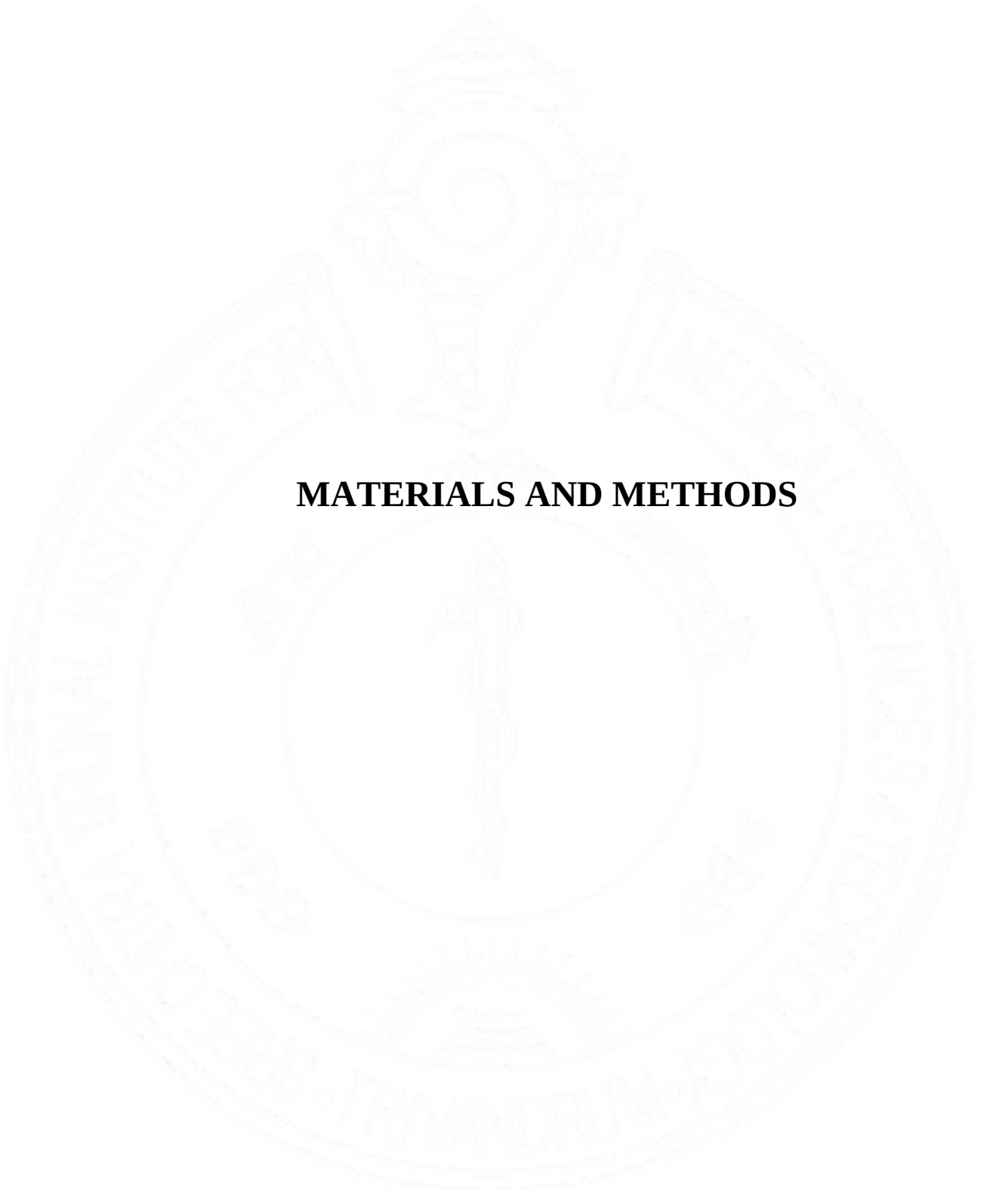
Purvis et al. (76) described the perioperative outcomes and economic costs associated with liberal Hb-triggering transfusion in Spine surgery patients. Among patients with an entire hospitalization nadir Hb between 8 and 10 g/dL, transfused patients showed longer hospitalization and higher perioperative morbidity than non-transfused patients. Even after adjustment for age, sex, race, American Society of Anesthesiologists class, Charlson comorbidity index score, estimated blood loss, baseline Hb, and type of surgery, logistic regression analysis revealed that patients with the lowest Hb of 8–10 g/dL who received a transfusion, had an independently higher risk of perioperative morbidity. Estimated additional costs associated with the use of a liberal trigger, defined as transfusion in patients with a total length of hospital nadir Hb of 8–10 g/dL, ranged from \$202,675 to \$700,151 per year. They concluded that liberal trigger transfusion is associated with increased morbidity, even after controlling for potential confounders. They suggested that modification of transfusion practice may be a potential area for improving patient outcomes and reducing costs for these patients.

Alkhalid et al. (77) evaluated the safety of a restrictive red blood cell (RBC) transfusion threshold compared with a liberal threshold in high-risk patients undergoing Brain tumor surgery. Hospital mortality was 12% for the restrictive threshold group and 13% for the liberal threshold group. The incidence of in-hospital complications was 52.9% in the restrictive threshold group and 50% in the liberal threshold group. The mean ICU and hospital days were 8.6 and 22.4 days in the restrictive threshold group and 6 and 15 days in the liberal threshold group, respectively. Nonroutine discharge rates were 71% in the restrictive threshold group and 50% in the liberal threshold group. They concluded that a restrictive transfusion threshold does not significantly affect in-hospital mortality or complication rates, length of stay, or disposition for discharge in patients at high surgical risk.

Lagman et al. (78) identified risk factors and examined clinical outcomes of postoperative red blood cell transfusion in patients with skull base Meningiomas. After controlling for the effect of Meningioma size, skull base was an independent risk factor for transfusion. Operative time greater than 10 hours was an independent risk factor for prolonged hospital stay once the effect of transfusion was controlled. In contrast, transfusion did not independently affect LOS or discharge disposition once the effect of operative time was controlled.

Neef et al. (79) studied to identify the clinical outcome of RBC transfusion in patients with skull base and extracranial Meningioma as well as risk factors for RBC transfusion. The rate of preoperative anemia was significantly higher in transfused patients compared with non-transfused patients. Both postoperative complications

and hospital LOS were significantly higher in transfused patients than non-transfused patients. After multivariate analyses, preoperative ASA physical status score, tumor size, operative time, and intraoperative blood loss were risk factors for RBC transfusion. They also revealed a significant effect on overall survival of preoperative anemia, red blood cell transfusion, smoking, cardiovascular disease, and age (older than 75 years). They concluded that blood loss due to large tumors or location near large vessels are the main triggers for RBC transfusion in patients with Meningioma, along with potential preselection masking the effect of preoperative anemia in multivariate analysis.



MATERIALS AND METHODS

This is a type of retrospective and prospective observational study. This study was conducted at Department of Neurosurgery, Neuroanesthesia, and Transfusion Medicine, Sree Chitra Tirunal Institute for Medical Sciences and technology (SCTIMST), Trivandrum with the approval of Institute Ethics Committee. The SCTIMST is a 253 bedded tertiary care institution with 10 operation theatres active with elective procedures only. The surgical specialties represented in the hospital are cardiovascular thoracic surgery, neuro surgery and cardiac and neuro interventional radiology. There are 4 operation theatres for Neurosurgery. Approximately 10000 units of packed red cells are requested for crossmatch each year of which 90% are destined for surgical support while remaining 10% is for correction of anemia of various causes including post operative anemia.

The Duration of study included 4 years retrospective (July 2018- June 2021) and one-year prospective study (October 2021 - September 2022).

Inclusion criteria: All the patients admitted under Neurosurgery department for whom blood requisition is sent.

Exclusion criteria:

- 1) Blood requisition sent for non-surgical indications like anemia or any other medical illness requiring transfusion
- 2) Scheduled patients who were cancelled after crossmatch was done.
- 3) Patients with known history of bleeding disorders or hemoglobinopathies
- 4) Patients with a history of reaction to blood transfusions
- 5) Jehovah's witnesses
- 6) Patients undergoing emergency neurosurgical intervention
- 7) Patients under 18 years of age

Samapling type: All patients of Neurosurgery who meets inclusion and exclusion criteria. Therefore, it was a consecutive type.

Sampling frame: Hospital medical records database which contains details of all patients admitted including Neurosurgery

Sample size: The number of patients admitted in neuro surgery in last 3 years is 2018(1404), 2019 (1375) and 2020(909). Since we are considering age group above 18 years, the estimated sample size is 4000 (5 years*800).

Methodology:

Retrospective Data:

The Hospital Medical Records Section was approached with Institutional Ethics Committee clearance letter to get the details for retrospective data. The details of all patients who were admitted under Neurosurgery department from July 2018 to June 2021 were obtained. The data included unique Medical Records Section (MRD) number, age, gender, date of admission, date of discharge, number of days of hospital stay, hours of ICU stay, diagnosis and procedure performed. From the computerised records of department of Transfusion Medicine, the details of number of packed red cell concentrates (PRC) units crossmatched, issued and transfused for each patient within 24 hours of surgical procedure were recorded. All the details were entered in Windows Microsoft Excel sheet. Ten or more surgeries was the arbitrary definition for a procedure that was commonly performed. After excluding all those who met exclusion criteria, 'Common' procedures were identified. For each common procedure following summations were calculated

1. Total number of patients
2. Number of patients who were crossmatched
3. Number of patients who were not crossmatched (Patients who had only Type and Screen)
4. Number of patients who were transfused
5. Total number of blood units that were crossmatched
6. Total number of blood units that were transfused

Based on above parameters, the following five main transfusion indices were used to evaluate the usage and appropriateness of blood units (18,82)

- 1) Crossmatch to Transfused ratio (CTR): A ratio of > 2.5 indicates excessive cross-matching of blood for a specific procedure and a ratio of >2 is considered indicative of significant blood wastage.
- 2) Transfusion probability (TP%) A value of < 30 was considered indicative of significant blood wastage.
- 3) Transfusion Index (TI) A value of < 0.5 signifies no need for cross-match
- 4) Blood Utilization (BU%) A value of $< 50\%$ indicates excessive cross-matching for the procedure.
- 5) Maximum surgical blood ordering schedule (MSBOS) = $1.5 \times \text{TI}$

The MSBOS was formulated using Mead's criterion which states that the number of red blood cell units calculated is one and half times the TI for each surgical procedure.

- 6) Percentage of type and screen performed

The neurosurgical diagnosis and procedures for which transfusion probability was < 30% or Transfusion Index < 0.5 were identified. They were classified as type and screen procedures.

The diagnosis and procedures that had transfusion probability of > 30% or Transfusion index of > 0.5 were noted. The MSBOS for such procedures was developed based on following formula.

$$\text{MSBOS} = 1.5 \times \text{TI}$$

The MSBOS using Mead's criterion states that the number of red blood cell units calculated is one and half times the TI for each surgical procedure.

Thus, all the common neurosurgical procedures were classified into

1. Type and Screen procedures
2. Type and Crossmatch procedures with MSBOS 1
3. Type and crossmatch procedures with MSBOS 2

The information about newly developed MSBOS protocol which recommends the number of RBC units to be cross matched for each surgical procedure (Neurosurgery in our study) was discussed in the department of Transfusion Medicine meeting in August 2021 and every staff was instructed to follow the same while cross matching for elective neuro surgery cases.

- Pre operative transfusion testing for common neurosurgical procedures will be carried as per the newly developed protocol unless changed by the medical officer.
- The antibody screening will be performed using 3 cell panel

- Blood units requested intraoperatively for type and screen procedures, ABO specific unit which is crossmatch compatible by immediate spin technique would be issued.
- If antibody screening is positive, then it will be evaluated to identify the antibody. The antigen negative, AHG phase crossmatch compatible units would be reserved in such cases though it comes under type and screen category.
- Type and screen are not applicable for patients who have already developed atypical antibodies.

In the same month, it was discussed with neuroanesthetists and neurosurgeons in the inter departmental meeting where everyone agreed to follow the same. The Neurosurgery and Neuroanesthesia residents were invited to the department of Transfusion Medicine, 2-3 at a time and this protocol was explained to them in a one- to- one discussion. It was also discussed in the Hospital Transfusion committee meeting consisting of the medical superintendent, Head of various departments including Transfusion Medicine, Neurosurgery and Neuroanesthesia, nursing superintendent.

The various questions were encountered and following were clarified during the discussion

1. It was applicable only for elective cases and not for emergency cases
2. It was applicable only for cross matching performed one day prior to the surgery.

In cases, when anesthetist or surgeon requested for additional RBC units during intra operative period based on clinical assessment, it would be issued as per needs and same was conveyed to every personnel in department.

3. The turnaround time will be minimal for immediate spin crossmatch
4. Type and screen followed by immediate spin crossmatch is as effective as anti-human globulin (AHG) crossmatch

The cross matching of RBC units for common elective Neurosurgery cases from October 2021 was followed according to the newly developed MSBOS protocol.

Prospective Data:

The blood requisitions sent from Neurosurgery department were identified every day. The requests that were sent for the common neurosurgical procedures of next day were separated. Depending on the diagnosis and procedure and based on the Maximum Surgical Blood Ordering Schedule protocol developed, each case was ordered for either type and screen only or particular number of red blood cell (RBC) units to be cross matched. The order was strictly followed by the technicians performing the pretransfusion testing in the department patient laboratory.

Next day i.e., 24 hours post-surgery, the above-described requisitions were checked for the number of RBC units issued and transfused for each case. The patient was followed up for the hours of ICU stay and the length of hospital stay.

The data was entered in an excel sheet. It included unique serial number allotted by the investigator, age, gender, blood group, diagnosis, procedure, whether type and screen or cross matched. If cross matched, the total number of RBC units cross matched. Other details included number of RBC units issued, length of hospital stay and ICU stay. The data was followed from October 2021 to September 2022.

For each common procedure following were calculated

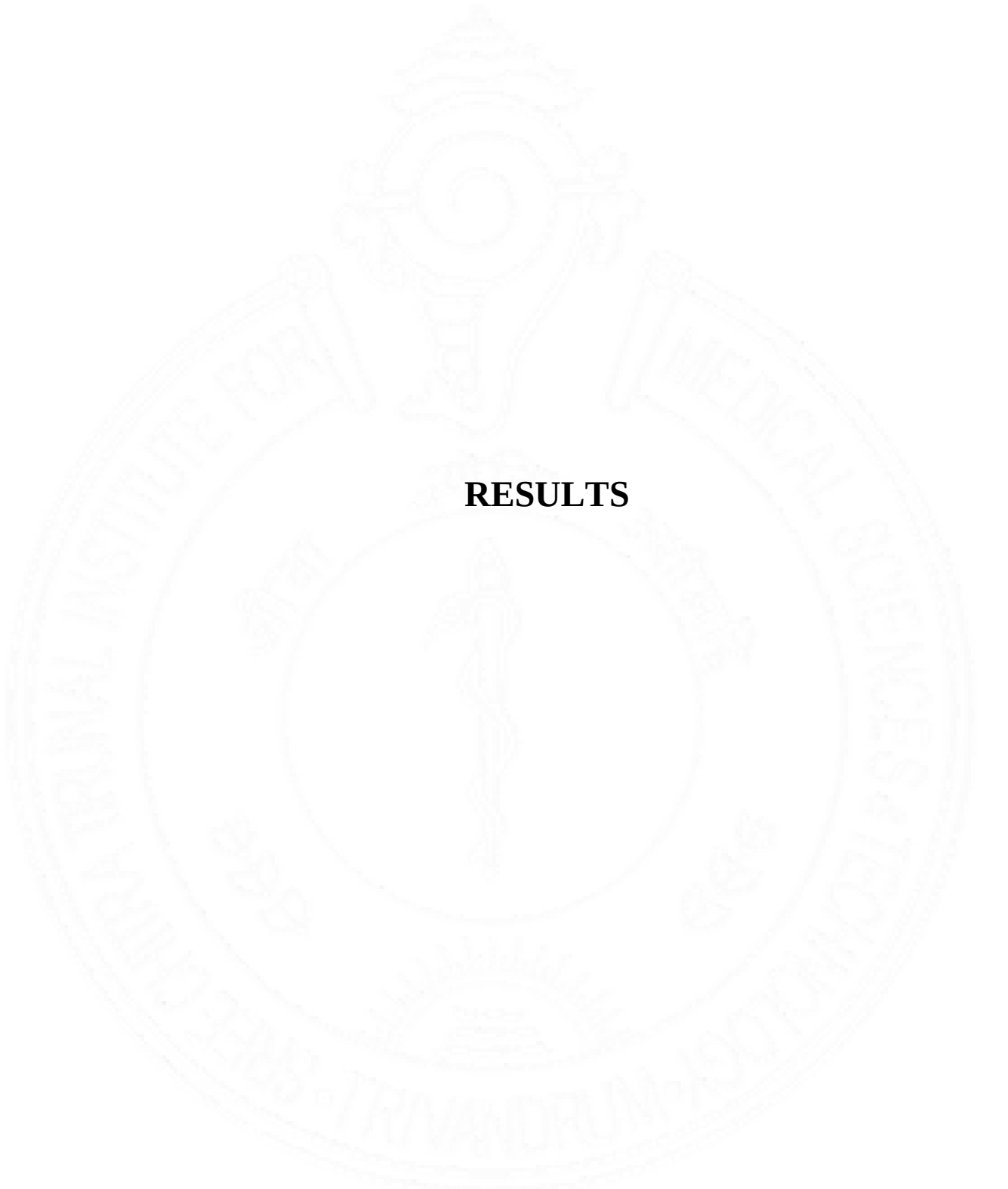
1. Total number of patients
2. Number of patients who were crossmatched
3. Number of patients who were not crossmatched (Patients who had only Type and Screen)
4. Number of patients who were transfused
5. Total number of blood units that were crossmatched

For each procedure, following transfusion indices were calculated

- 1) Crossmatch to Transfused ratio (CTR)
- 2) Transfusion probability (TP%)
- 3) Transfusion Index (TI)
- 4) Blood Utilization (BU%)
- 5) Percentage of type and screen performed

Statistical Analysis:

- 1) CTR, TP, TI, BU indices were compared between retrospective and prospective data for each procedure as well as overall
- 2) Percentage of type and screen performed for each T&S indicated cases, all T&S cases and overall were compared retrospective and prospective data.
- 3) Categorical and quantitative variables were expressed as frequency (percentage) and mean $\pm$ Standard Deviation (SD) respectively. Independent t test was used to compare quantitative parameters between categories. Chi-square test was used to find association between categorical variables. One-way Anova test was used for comparison of three or more categorical variables. For all statistical interpretations, $p < 0.05$ was considered the threshold for statistical significance. Statistical analyzes were performed by using a statistical software package SPSS, version 20.0



RESULTS

Retrospective period:

Total number of patients admitted in Neuro surgery: 4575

Total number of patients operated in Neuro surgery: 3829

Total number of patients who met inclusion criteria: 2462

Total number of patients who were crossmatched: 2240

Total number of patients who were not crossmatched: 222

Total number of patients receiving transfusion: 714

Total number of patients not receiving transfusion: 1748

Total number of RBC units that were crossmatched: 4850

Total number of RBC units that were transfused: 1329

Total number of patients discharged: 2421

Total number of patients expired: 41

Prospective period:

Total number of patients who met inclusion criteria: 746

Total number of patients who were crossmatched: 341

Total number of patients who were not crossmatched: 405

Total number of patients receiving transfusion: 163

Total number of patients not receiving transfusion: 583

Total number of RBC units that were crossmatched: 657

Total number of RBC units that were transfused: 273

Total number of patients discharged: 736

Total number of patients expired: 10

A total of 2462 patients in retrospective period and 746 patients in prospective period who met inclusion criteria were analyzed. The demographic details which included age, gender and blood group were observed.

Demographic details

Age group:

Our study group consisted of age group more than 18 years. The number and percent of various categories of age group in both retrospective and prospective group are shown in table 1 and figure 1.

Retrospective group: Most of the patients were in the category 40-49 and 50-59 followed by 30-39, 60-69, 20-29. The least was less than <20 years and >70 years. The mean age group was 45.5 ($\pm$ SD 13.9).

Prospective group: Most of the patients were in the category 40-49 and 50-59 followed by 30-39, 20-29 and 60-69. The least was <20 years and >70 years. The mean age group was 44.2 ($\pm$ SD 14.1).

Table 1: Age distribution of patients in retrospective and prospective group

Age	Retrospective		Prospective	
	Count	Percent	Count	Percent
<20	44	1.8	23	3.1
20 - 29	324	13.2	115	15.4
30 - 39	474	19.3	152	20.4
40 - 49	627	25.5	170	22.8
50 - 59	561	22.8	168	22.5
60 - 69	351	14.3	100	13.4
>=70	81	3.3	18	2.4
Mean $\pm$ SD	45.5 $\pm$ 13.9		44.2 $\pm$ 14.1	

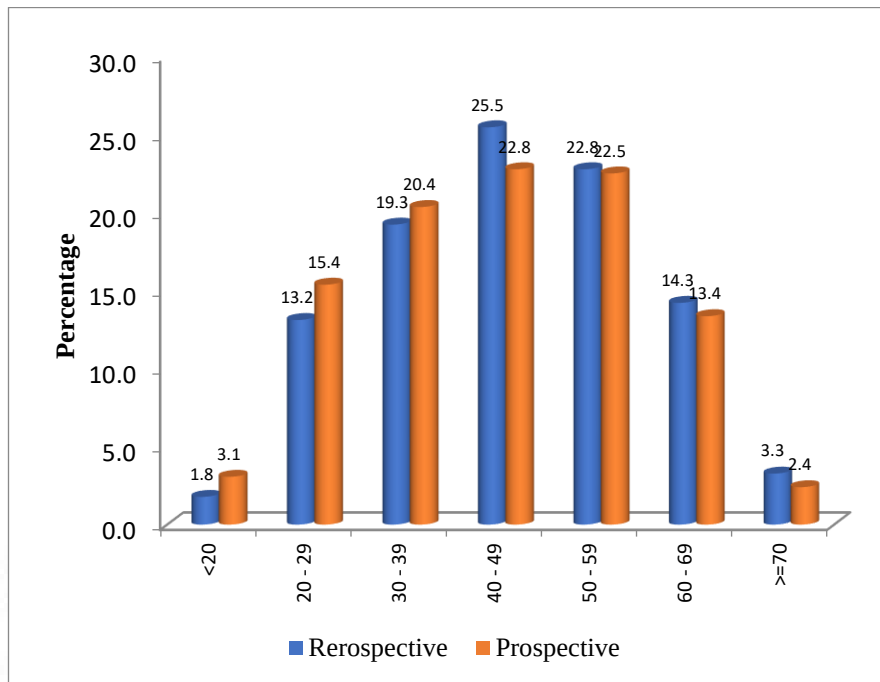


Figure 1: Age distribution of patients in retrospective and prospective group

Gender:

The gender distribution of our study patients in both retrospective and prospective group is shown in table 2 and figure 2. Most of the patients in retrospective group were females (53.5%) whereas it was males (51.9%) in prospective group.

Table 2: Gender distribution of patients in retrospective and prospective group

Gender	Retrospective		Prospective	
	Count	Percent	Count	Percent
Male	1145	46.5	387	51.9
Female	1317	53.5	359	48.1

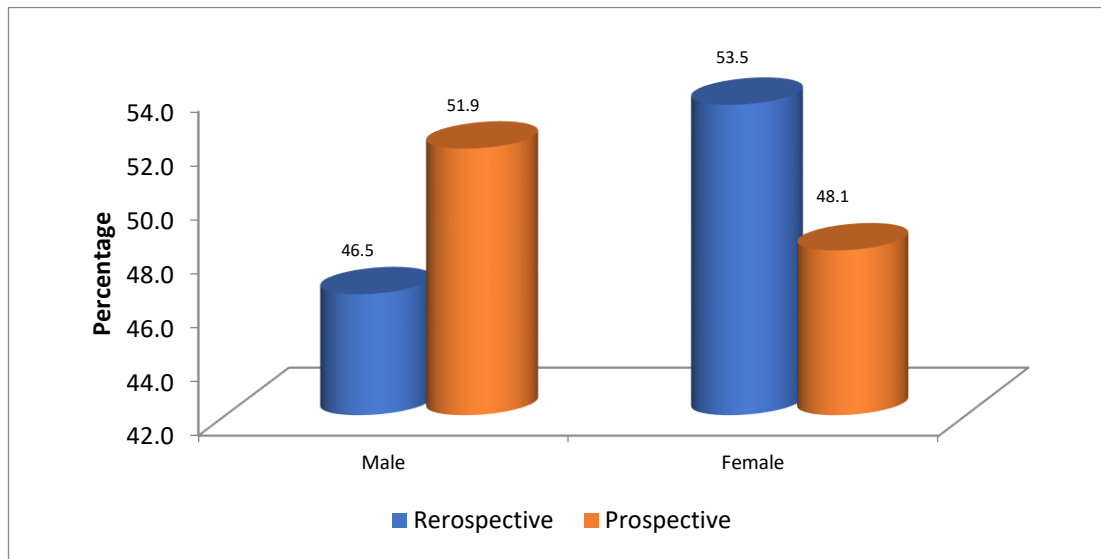


Figure 2: Gender distribution of patients in retrospective and prospective group

Blood group

The blood group distribution of the study patients in both retrospective and prospective group is shown in table 3 and figure 3. The order of blood group prevalence in retrospective group was O positive, B positive, A positive, AB positive followed by O negative, B negative, A negative and AB negative. It was similar in prospective group except that A negative was found to be more prevalent than B negative.

Table 3: Blood group distribution of patients in retrospective and prospective group

Blood group	Retrospective		Prospective	
	Count	Percent	Count	Percent
A+	559	22.7	178	23.9
B+	658	26.7	191	25.6
O+	910	37.0	281	37.7
AB+	155	6.3	40	5.4
A-	29	1.2	17	2.3
B-	49	2.0	7	0.9
O-	88	3.6	26	3.5
AB-	14	0.6	6	0.8

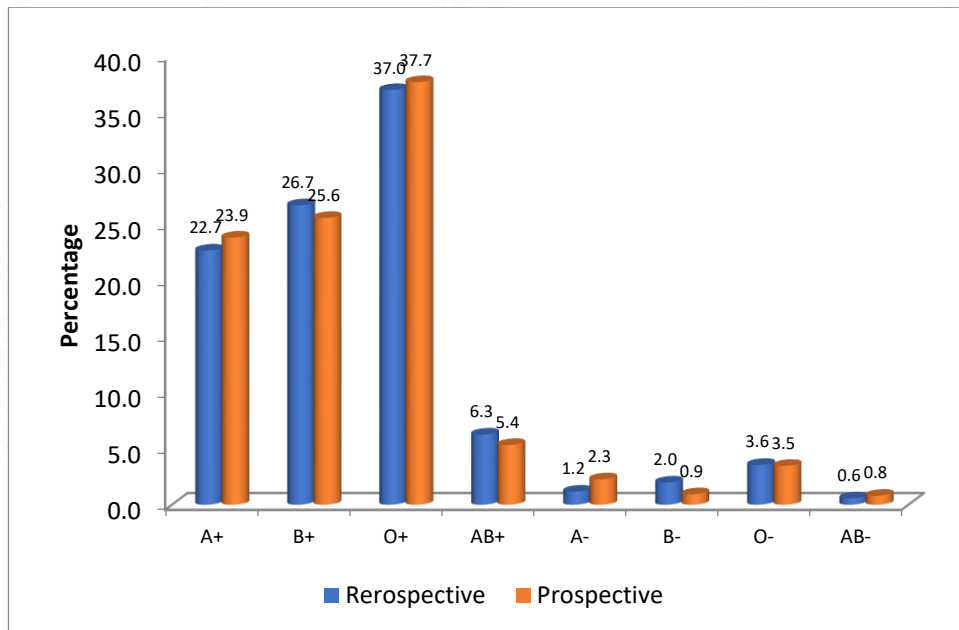


Figure 3: Blood group distribution of patients in retrospective and prospective group

Analysing blood utilisation and formulation of MSBOS

A total of 2462 patients were analyzed during the retrospective period who underwent 30 common neurosurgical procedures. The procedures and the number of patients who underwent each procedure are listed in table 4.

Table 4: Diagnosis and procedure of patients included in retrospective study and the total number in each category

S.no	Diagnosis and procedure	Total no. Of patients
1	Craniotomy and Excision of Meningioma	372
2	Spine cases	297
3	Craniotomy and Excision of Glioma	270
4	Craniotomy and Clipping of Aneurysm	220
5	Endoscopic Trans nasal Transsphenoidal (TNTS) Excision of Pituitary Adenoma	209
6	Craniotomy and Excision/Decompression of Schwannoma	166
7	Shunt procedures	139
8	Others	98
9	Excision of Cyst	72
10	Brain Biopsy	68
11	Foramen Magnum Decompression for Chiari Malformation	66
12	Endoscopic repair of cerebrospinal fluid (CSF) leak	54
13	Excision of Arteriovenous Malformation	46
14	Craniotomy and Excision of Astrocytoma	46
15	Decompression of nerve for Neuralgia	44
16	Craniotomy and Excision of Colloid Cyst	39
17	Craniotomy and Excision of Cavernoma	38
18	Craniotomy and Decompression of Oligodendroglioma	26
19	Craniotomy and Excision of Metastatic Lesions	24
20	Bone Flap Replacement	23
21	Burr Hole and evacuation	20
22	Craniotomy, Excision of Craniopharyngioma	19
23	Cranioplasty	18
24	Craniotomy and Excision of Pituitary Adenoma	16
25	Craniotomy and Excision of Hemangioblastoma	15
26	Epilepsy surgeries	14
27	Craniotomy and CSF leak repair	13
28	Craniotomy and Excision / Decompression of ependymoma	12
29	Endoscopic Excision of Craniopharyngioma	10
30	Hemangioma	8
31	Total	2462

The parameters required to calculate various transfusion indices are number of crossmatched patients, transfused patients, crossmatched units and transfused units.

All these parameters were obtained for the retrospective period and are mentioned in table 5.

Table 5 – Number of patients (Total, crossmatched and transfused) and number of blood units (crossmatched and transfused) during retrospective period.

CM -P: Number of patients crossmatched, TR – P: Number of patients transfused, CM-U: Number of RBCs crossmatched, TR – U: Transfused RBC units.

S.no	Diagnosis and procedure	Total	CM-P	TR-P	CM-U	TR-U
1	Craniotomy and Excision of Meningioma	372	372	217	1098	433
2	Craniotomy and Clipping of Aneurysm	220	220	69	498	115
3	Craniotomy and Excision of Glioma	270	270	63	552	109
4	Craniotomy and Excision of Metastatic Lesions	24	24	11	53	18
5	Craniotomy and Excision/Decompression of Schwannoma	166	166	95	434	187
6	Foramen Magnum Decompression for Chiari Malformation	66	66	6	115	20
7	Spine cases	297	255	67	461	131
8	Excision of Arteriovenous Malformation	46	46	24	137	49
9	Craniotomy and Excision of Colloid Cyst	39	39	2	64	2
10	Burr Hole and evacuation	20	20	0	24	0
11	Shunt procedures	139	71	3	106	5
12	Brain Biopsy	68	46	3	78	4
13	Craniotomy and Excision of Pituitary Adenoma	16	16	3	30	5
14	Endoscopic TENTS Excision of Pituitary Adenoma	209	174	44	275	66
15	Craniotomy and CSF leak repair	13	13	6	34	15
16	Endoscopic repair of CSF leak	54	42	0	59	0
17	Craniotomy and Excision of Astrocytoma	46	46	9	92	14
18	Decompression of nerve for Neuralgia	44	22	5	44	6
19	Epilepsy surgeries	14	14	2	19	3
20	Excision of Cyst	72	72	16	151	29
21	Cranioplasty	18	18	1	38	2
22	Craniotomy and Excision / Decompression of ependymoma	12	12	6	37	18
23	Craniotomy and Decompression of Oligodendroglioma	26	26	4	59	7
24	Endoscopic Excision of Craniopharyngioma	10	10	3	16	3
25	Craniotomy, Excision of Craniopharyngioma	19	19	3	28	4
26	Craniotomy and Excision of Cavernoma	38	38	4	76	4
27	Bone Flap Replacement	23	14	5	24	7
28	Hemangioma	8	8	4	28	11
29	Craniotomy and Excision of Hemangioblastoma	15	15	7	48	14
30	Others	98	86	32	172	48
31	Overall	2462	2240	714	4850	1329

The various transfusion indices like CT ratio, transfusion probability, transfusion index, blood utilisation and maximum surgical blood ordering schedule (MSBOS) were calculated overall and for each procedure and the values were found as mentioned in table 6.

Based on data of 4 years for Neurosurgery department, the CT ratio was 3.6 (whereas <2 is the ideal, >2.5 is excessive crossmatching) and blood utilisation was 27.4% (<50% is excessive crossmatching).

The procedures with very high CT ratio were Craniotomy and Excision of Colloid Cyst (32), Shunt procedures (21.2), Brain Biopsy (19.5), Craniotomy and Excision of Cavernoma (19), Cranioplasty (19). Other procedures with high CT ratio were Craniotomy and Decompression of Oligodendroglioma (8.43), Craniotomy and Excision of Craniopharyngioma (7), Decompression of nerve for Neuralgia (7.33), Craniotomy and Excision of Astrocytoma (6.57), Epilepsy surgeries (6.33), Craniotomy and Excision of Pituitary Adenoma (6), Foramen Magnum Decompression for Chiari Malformation (5.75), Endoscopic Excision of Craniopharyngioma (5.33), Excision of Cysts (5.21), Craniotomy and Excision of Glioma (5.06), Craniotomy and Clipping of Aneurysm (4.3), Endoscopic Excision of Pituitary Adenoma (4.17), other uncommon procedures (3.6), Spine cases (3.52), Bone Flap Replacement (3.43), Craniotomy and Excision of Hemangioblastoma (3.43), Craniotomy and Excision of Metastatic Lesions (2.94), Excision of AVM (2.80). All these procedures had blood utilisation <50%, indicating excessive crossmatching.

The procedures with acceptable CT ratio were Craniotomy and Excision of Meningioma (2.54), Craniotomy and Excision/Decompression of Schwannoma (2.32), Craniotomy and CSF leak repair (2.27), Craniotomy and Excision of ependymoma (2.06) and Craniotomy and Excision of Hemangioma (2.55). But none had blood utilisation >50%, indicating excessive crossmatching.

Table 6 – CT ratio, transfusion probability, transfusion index, blood utilisation, MSBOS and recommendation of type and screen or crossmatch during retrospective period.

CTR: Cross-match to transfused ratio, TP: Transfusion probability, TI: Transfusion Index, BU: Blood utilisation, NC: Not calculated

S.no	Diagnosis and procedure	CTR	TP	TI	BU	MSBOS	TS/CM
1	Craniotomy and Excision of Meningioma	2.54	58%	1.16	39.44%	1.75	2
2	Craniotomy and Clipping of Aneurysm	4.33	31%	0.52	23.09%	0.78	1
3	Craniotomy and Excision of Glioma	5.06	23%	0.40	19.75%	0.61	TS
4	Craniotomy and Excision of Metastatic Lesions	2.94	46%	0.75	33.96%	1.12	1
5	Craniotomy and Excision/Decompression of Schwannoma	2.32	57%	1.13	43.09%	1.69	2
6	Foramen Magnum Decompression for Chiari Malformation	5.75	9%	0.30	17.39%	0.45	TS
7	Spine cases	3.52	26%	0.5	28.42%	0.77	TS
8	Excision of Arteriovenous Malformation	2.80	52%	1.07	35.77%	1.59	2
9	Craniotomy and Excision of Colloid Cyst	32	5%	0.05	3.13%	0.08	TS
10	Burr Hole and evacuation	NC	0%	0	0.00%	0	TS
11	Shunt procedures	21.2	4%	0.07	4.72%	0.10	TS
12	Brain Biopsy	19.5	7%	0.08	5.13%	0.13	TS
13	Craniotomy and Excision of Pituitary Adenoma	6	19%	0.31	16.67%	0.47	TS
14	Endoscopic TENTS Excision of Pituitary Adenoma	4.17	25%	0.38	24.00%	0.56	TS
15	Craniotomy and CSF leak repair	2.27	46%	1.15	44.12%	1.73	2
16	Endoscopic repair of CSF leak	NC	0%	0	0.00%	0	TS
17	Craniotomy and Excision of Astrocytoma	6.57	20%	0.30	15.22%	0.45	TS
18	Decompression of nerve for Neuralgia	7.33	23%	0.27	13.64%	0.41	TS
19	Epilepsy surgeries	6.33	14%	0.21	15.79%	0.32	TS
20	Excision of Cyst	5.21	22%	0.40	19.21%	0.60	TS
21	Cranioplasty	19	6%	0.11	5.26%	0.16	TS
22	Craniotomy and Excision / Decompression of ependymoma	2.06	50%	1.5	48.65%	2.25	2
23	Craniotomy and Decompression of Oligodendroglioma	8.43	15%	0.27	11.86%	0.40	TS
24	Endoscopic Excision of Craniopharyngioma	5.33	30%	0.3	18.75%	0.45	TS
25	Craniotomy, Excision of Craniopharyngioma	7	16%	0.21	14.29%	0.31	TS
26	Craniotomy and Excision of Cavernoma	19	11%	0.10	5.26%	0.16	TS
27	Bone Flap Replacement	3.43	36%	0.5	29.17%	0.75	TS
28	Craniotomy and Excision of Hemangioma	2.55	50%	1.37	39.29%	2.06	2
29	Craniotomy and Excision of Hemangioblastoma	3.43	47%	0.93	29.17%	1.4	1
30	Others	3.6	37%	0.56	27.91%	0.83	1
31	Overall	3.6	32%	0.6	27.40%	0.9	1

MSBOS:

Those procedures which had transfusion index ≤ 0.5 or transfusion probability $<30\%$ were considered for type and screen category while MSBOS was calculated for others as mentioned in table 6.

Formulated institute MSBOS protocol for Neurosurgery

According to the transfusion indices calculated for the retrospective period, the following were categorised to be type and screen procedures.

1. Foramen Magnum Decompression for Chiari Malformation
2. Bone Flap Replacement
3. Craniotomy and Excision of Pituitary Adenoma
4. Cranioplasty
5. Craniotomy and Excision of Cavernoma
6. Endoscopic TENTS or Craniotomy Excision of Pituitary Adenoma
7. Shunt procedures
8. Craniotomy and Decompression of Oligodendroglioma
9. Endoscopic repair of CSF leak
10. Brain Biopsy
11. Endoscopic Excision of Craniopharyngioma
12. Craniotomy and Excision of Astrocytoma
13. Craniotomy and Excision of Colloid Cyst
14. Craniotomy or Endoscopic Excision of Craniopharyngioma
15. Epilepsy surgeries
16. Burr Hole and evacuation

17. Decompression of nerve for Neuralgia
18. Craniotomy and Excision of Glioma
19. Spine Cases
20. Excision of Cyst

For the following procedures, with transfusion probability >30% and transfusion index >0.5, MSBOS was calculated to be 1 unit.

1. Craniotomy and Excision of Hemangioblastoma
2. Craniotomy and Excision of Metastatic Lesions
3. Craniotomy and Clipping of Aneurysm
4. Others

For the following procedures, with transfusion probability >30% and transfusion index >0.5, MSBOS was calculated to be 2 units.

1. Excision of Arteriovenous Malformation
2. Craniotomy and Excision / Decompression of ependymoma
3. Craniotomy and Excision of Meningioma
4. Craniotomy and Excision/Decompression of Schwannoma
5. Craniotomy and Excision of Hemangioma
6. Craniotomy and CSF Leak repair

Prospective study group:

The MSBOS was strictly implemented for Neurosurgery department after having a multi-disciplinary interaction with neurosurgeons and neuroanesthetists. All the parameters required to calculate the CT ratio and blood utilisation were obtained prospectively and results were analyzed after a period of 1 year. The details of number of patients, crossmatched patients, transfused patients, crossmatched units and transfused units is shown in table 7.

Table 7 – Number of patients (Total, crossmatched and transfused) and number of blood units (crossmatched and transfused) during prospective period.

CM -P: Number of patients crossmatched, TR – P: Number of patients transfused, CM-U: Number of RBCs crossmatched, TR – U: Transfused RBC units.

S.no	Diagnosis and procedure	Total	CM-P	TR-P	CM-U	TR-U
1	Excision of Meningioma	115	115	64	275	111
2	Clipping of Aneurysm	53	53	24	87	37
3	Glioma	77	15	9	36	14
4	Metastasis	21	21	4	25	4
5	Excision/Decompression of Schwannoma	48	48	22	106	34
6	Foramen Magnum Decompression for Chiari Malformation	13	1	1	2	2
7	Spine cases	113	46	14	55	32
8	Craniotomy and Excision of Colloid Cyst	14	1	1	2	1
9	Burr Hole and evacuation	10	2	2	3	2
10	VP Shunt	37	1	1	1	1
11	Brain Biopsy	20	0	0	0	0
12	Excision of Pituitary Adenoma	79	14	8	20	11
13	Endoscopic CSF leak repair	17	0	0	0	0
14	Excision of Astrocytoma	6	1	1	2	1
15	Decompression of nerve for Neuralgia	12	0	0	0	0
16	Epilepsy surgeries	38	0	0	0	0
17	Excision of Cyst	18	4	3	8	6
18	Cranioplasty	5	0	0	0	0
19	Ependymoma	6	5	2	10	4
20	Craniotomy and Decompression of Oligodendroglioma	3	1	1	1	1
21	Craniopharyngioma	17	4	4	7	5
22	Cavernoma	7	0	0	0	0
23	Bone Flap Replacement	8	0	0	0	0
24	Hemangioma	4	4	2	12	7
25	Hemangioblastoma	5	5	0	5	0
26	Total	746	341	163	657	273

The transfusion indices for the prospective period were calculated and shown in table 8.

The procedures for which CT ratio remained >2.5 were Craniotomy and Excision of Metastatic Lesions (6.25), Craniotomy and Excision/Decompression of Schwannoma (3.11).

The procedures with CT ratio between 2 and 2.5 were as follows: Craniotomy and Excision of Glioma (2.5), Craniotomy and Excision of ependymoma (2.5), Craniotomy and Excision of Meningioma (2.48), Craniotomy and Clipping of Aneurysm (2.35),

The procedures with ideal CT ratio (≤ 2) were as follows: Craniotomy and Excision of Astrocytoma (2), Craniotomy and Excision of Colloid Cyst (2), Excision of Pituitary Adenoma (1.82), Spine cases (1.71), Craniotomy and Excision of Hemangioma (1.71), Burr Hole and Evacuation (1.5), Excision of Craniopharyngioma (1.4), Excision of Cysts (1.33), Shunt procedures (1), Craniotomy and Decompression of Oligodendroglioma (1), Foramen Magnum Decompression for Chiari Malformation (1). The overall CT ratio was found to be 2.4 and blood utilisation 41.24%.

Table 8 – CT ratio, transfusion probability, transfusion index, blood utilisation during prospective period.
CTR: Cross-match to transfused ratio, TP: Transfusion probability, TI: Transfusion Index, BU: Blood utilisation

S.no	Diagnosis and procedure	CTR	TP	TI	BU
1	Craniotomy and Excision of Meningioma	2.48	56%	0.97	40.36%
2	Craniotomy and Clipping of Aneurysm	2.35	45%	0.70	42.53%
3	Craniotomy and Excision of Glioma	2.5	60%	0.9	38.89%
4	Craniotomy and Excision of Metastatic Lesions	6.25	19%	0.19	16.00%
5	Excision/Decompression of Schwannoma	3.11	46%	0.7	32.08%
6	Foramen Magnum Decompression for Chiari Malformation	1	100%	2	100.00%
7	Spine cases	1.71	30%	0.70	58.18%
8	Craniotomy and Excision of Colloid Cyst	2	100%	1	50.00%
9	Burr Hole and evacuation	1.5	100%	1	66.67%
10	Shunt procedures	1	100%	1	100.00%
11	Brain Biopsy	NC	NC	NC	NC
12	Excision of Pituitary Adenoma (Craniotomy/Endoscopic)	1.82	57%	0.79	59%
13	Endoscopic CSF leak repair	NC	NC	NC	NC
14	Craniotomy and Excision of Astrocytoma	2	100%	1	50.00%
15	Decompression of nerve for Neuralgia	NC	NC	NC	NC
16	Epilepsy surgeries	NC	NC	NC	NC
17	Excision of Cyst	1.33	75%	1.5	75%
18	Cranioplasty	NC	NC	NC	NC
19	Craniotomy and Excision of Ependymoma	2.5	40%	0.8	40.00%
20	Craniotomy and Decompression of Oligodendroglioma	1	100%	1	100.00%
21	Excision of Craniopharyngioma (Craniotomy/Endoscopic)	1.4	100%	1.25	71.43%
22	Craniotomy and Excision of Cavernoma	NC	NC	NC	NC
23	Bone Flap Replacement	NC	NC	NC	NC
24	Craniotomy and Excision of Hemangioma	1.71	50%	1.75	58.33%
25	Craniotomy and Excision of Hemangioblastoma	NC	0%	0	0.00%
26	Overall	2.4	48%	0.8	41.55%

The procedures for which ideal blood utilisation of >50% was achieved were Foramen Magnum Decompression for Chiari Malformation (100%), Burr Hole and Evacuation (66.67%), Shunt procedures (100%), Craniotomy and Decompression of Oligodendroglioma (100%), Excision of Pituitary Adenoma (59%), Craniotomy and Excision of Astrocytoma (50%), Excision of Cysts (75%), Excision of

Craniopharyngioma (71.43%), Craniotomy and Excision of Hemangioma (58.33%) and the overall blood utilisation was found to be 41.24%.

The CT ratio and blood utilisation were compared between retrospective and prospective study group and is shown in table 9. The CT ratio achieved lesser and acceptable values and blood utilisation improved compared to retrospective group for the following procedures:

Craniotomy and Excision of Meningioma, Craniotomy and Clipping of Aneurysm, Craniotomy and Excision of Glioma, Craniotomy and Excision of Astrocytoma, Craniotomy and Excision of Colloid Cyst, Excision of Pituitary Adenoma, Spine cases, Craniotomy and Excision of Hemangioma, Burr Hole and evacuation, Excision of Craniopharyngioma, Excision of Cysts, Shunt procedures, Craniotomy and Decompression of Oligodendroglioma, Foramen Magnum Decompression for Chiari Malformation. The overall CT ratio was found to be 2.4 and blood utilisation 41.24%.

The procedures for which there was increase in CT ratio and decrease in blood utilisation were as follows: Craniotomy and Excision of Metastatic Lesions, Craniotomy and Excision/Decompression of Schwannoma, Craniotomy and Excision of ependymoma. Overall, the CT ratio decreased and blood utilisation increased during the prospective study period.

Table 9 – Comparison of CT ratio and blood utilisation between retrospective and prospective group.
R: Retrospective period, P: Prospective period

S.no	Diagnosis and Procedure	CT ratio		Blood utilisation	
		R	P	R	P
1	Craniotomy and Excision of Meningioma	2.53	2.48	39.44%	40.36%
2	Craniotomy and Clipping of Aneurysm	4.33	2.35	23.09%	42.53%
3	Craniotomy and Excision of Glioma	5.06	2.5	19.75%	38.89%
4	Craniotomy and Excision of Metastatic Lesions	2.94	6.25	33.96%	16.00%
5	Craniotomy and Excision/Decompression of Schwannoma	2.32	3.11	43.09%	32.08%
6	Foramen Magnum Decompression for Chiari Malformation	5.75	1	17.39%	100.00%
7	Spine cases	3.51	1.71	28.42%	58.18%
8	Craniotomy and Excision of Colloid Cyst	32	2	5%	50.00%
9	Burr Hole and evacuation	NC	1.5	0%	66.67%
10	Shunt procedures	21.2	1	4.72%	100.00%
11	Brain Biopsy	19.5	NC	5.13%	NC
12	Pituitary Adenoma	4.29	1.82	23.28%	59%
13	Endoscopic repair of CSF Rhinorrhoea	NC	NC	0%	NC
14	Craniotomy and Excision of Astrocytoma	6.5	2	15.22%	50.00%
15	Decompression of nerve for Neuralgia	7.3	NC	13.64%	NC
16	Epilepsy surgeries	6.3	NC	15.79%	NC
17	Excision of Cyst	5.2	1.33	19.21%	75%
18	Cranioplasty	19	NC	5.26%	NC
19	Craniotomy and Excision / Decompression of ependymoma	2.05	2.5	48.65%	40.00%
20	Craniotomy and Decompression of Oligodendroglioma	8.4	1	11.86%	100.00%
21	Excision of Craniopharyngioma	5.3	1.4	18.75%	71.43%
22	Craniotomy and Excision of Cavernoma	39	NC	5.26%	NC
23	Bone Flap Replacement	3.4	NC	29.17%	NC
24	Hemangioma	2.5	1.71	39.29%	58.33%
25	Craniotomy and Excision of Hemangioblastoma	3.4	NC	29.17%	0.00%
26	OVERALL	3.7	2.8	27.13%	35.44%

The number of type and screen cases increased significantly during the prospective period (75%) compared to retrospective period (18%) (table 10).

The following procedures were managed completely with type and screen policy without requiring a single intraoperative crossmatch: Brain Biopsy, Endoscopic repair of CSF Rhinorrhoea, Decompression of nerve for Neuralgia, Epilepsy surgeries, Cranioplasty, Craniotomy and Excision of Cavernoma, Bone Flap Replacement.

Though T&S was adopted for some procedures, they needed blood intraoperatively for which blood was issued after IS crossmatch. Such procedures were as follows:

Foramen Magnum Decompression for Chiari Malformation, Spine cases, Craniotomy and Excision of Colloid Cyst, Burr Hole and evacuation, Shunt procedures, Excision of Pituitary Adenoma, Craniotomy and Excision of Astrocytoma, Craniotomy and Excision of Oligodendroglioma, Excision of Craniopharyngioma, Craniotomy and Excision of Glioma and Excision of Cysts.

Table 10 – Comparison of number and percentage of patients for whom type and screen was performed between retrospective and prospective group

S.no	Diagnosis and Procedure	Retrospective			Prospective		
		Total	TS (n)	TS (%)	Total	TS (n)	TS (%)
1	Foramen Magnum Decompression for Chiari Malformation	66	0	0%	13	12	92%
2	Spine cases	297	42	14%	113	54	48%
3	Craniotomy and Excision of Colloid Cyst	39	0	0%	14	13	93%
4	Burr Hole and evacuation	20	0	0%	10	8	80%
5	Shunt procedures	139	68	49%	37	36	97%
6	Brain Biopsy	68	22	32%	20	20	100%
7	Pituitary Adenoma	225	35	16%	79	35	44%
8	Endoscopic repair of CSF Rhinorrhoea	54	12	22%	17	17	100%
9	Craniotomy and Excision of Astrocytoma	46	0	0%	6	5	83%
10	Decompression of nerve for Neuralgia	44	22	50%	12	12	100%
11	Epilepsy surgeries	14	0	0%	38	38	100%
12	Cranioplasty	18	0	0%	5	5	100%
13	Craniotomy and Decompression of Oligodendroglioma	26	0	0%	3	2	67%
14	Excision of Craniopharyngioma	29	0	0%	17	13	76%
15	Craniotomy and Excision of Cavernoma	38	0	0%	7	7	100%
16	Bone Flap Replacement	23	9	39%	8	8	100%
17	Craniotomy and Excision of Glioma	270	0	0%	77	62	81%
18	Excision of Cysts	72	0	0%	18	14	78%
	Total	1146	210	18%	399	298	75%

BLOOD TRANSFUSION AND MORBIDITY

The morbidity of the patients who received blood transfusion was assessed in terms of number of inpatient days (IP days) patient spent and number of hours that patient spent in ICU.

1) IP days:

- **Retrospective period:**

The IP days spent by non-transfused and transfused group according to each category of diagnosis and procedure during retrospective study period (Table 11 and figure 4). Among non-transfused group, mean IP days was found to be highest for patients with ependymoma (17.1) followed by Oligodendroglioma (15.4), Craniopharyngioma (14.8), Astrocytoma (13.7), Aneurysm (13.7) and Arteriovenous Malformation (13.3). For Meningioma, Glioma and Schwannoma, mean IP days were 11.3, 11.2 and 11.2 respectively.

The mean IP days for other common diagnosis were as follows: CSF Rhinorrhoea (12.2), Cyst Excision (11.4), Epilepsy surgeries (11.2), Pituitary Adenoma (11.2), Spine cases (10.9), Cranioplasty (10.5), Shunt procedures (9.9), Hemangioma (9.8), Brain Biopsy (9.8), Neuralgia (9.8), Cavernoma (9.7), Chiari Malformation (9.5), Metastatic Lesions (9.0), Hemangioblastoma (8.4), Colloid Cyst (7.8), Burr Hole and Evacuation (7.4), Bone Flap Replacement (7.3).

The mean IP days for transfused group were found to be higher compared to non-transfused group in following cases: Meningioma, Glioma, Metastatic Lesions, Schwannoma, Chiari Malformation, Spine cases, Colloid Cyst, Burr Hole and evacuation, Brain Biopsy, Pituitary Adenoma, CSF Rhinorrhoea, Neuralgia, Epilepsy surgeries, Cyst Excision, ependymoma, Oligodendroglioma, Cavernoma, Bone Flap Replacement, Hemangioma and Hemangioblastoma. This finding was statistically significant in Meningioma, Spine cases, Burr Hole and evacuation, Brain Biopsy, Pituitary Adenoma, trigeminal Neuralgia, Epilepsy surgeries, Cyst Excision, Cavernoma and Bone Flap Replacement.

The mean IP days for transfused group were found to be equivalent or lower compared to non-transfused group in following cases: Aneurysm, AV Malformation, Shunt procedures, Astrocytoma, Cranioplasty and Craniopharyngioma. But none of these were statistically significant.

Table 11: Association between hospital inpatient days and transfusion based on diagnosis for retrospective group

Diagnosis	Not transfused			Transfused			t	p
	Mean	SD	N	Mean	SD	N		
Craniotomy and Excision of Meningioma	11.3	4.7	163	14.2	10.6	221	3.3**	0.001
Craniotomy and Clipping of Aneurysm	13.7	11.3	151	13.6	14.7	70	0.06	0.951
Craniotomy and Excision of Glioma	11.2	4.7	250	15.0	9.4	76	4.66	p<0.01
Craniotomy and Excision of Metastatic Lesions	9.0	2.6	13	11.8	5.0	11	1.78	0.089
Craniotomy and Excision/Decompression of Schwannoma	11.2	4.8	85	15.1	7.4	97	4.16	p<0.01
Foramen Magnum Decompression for Chiari Malformation	9.5	4.2	58	17.1	10.4	7	3.73	p<0.01
Spine cases	10.9	6.6	228	13.5	5.8	76	3.05**	0.003
Excision of Arteriovenous Malformation	13.3	5.9	26	12.8	5.5	24	0.3	0.769
Craniotomy and Excision of Colloid Cyst	7.8	2.6	38	21.0	0.0	1	4.97	p<0.01
Burr Hole and evacuation	7.4	4.9	21	24.0	0.0	1	3.34**	0.003
Shunt procedures	9.9	7.5	137	9.3	6.4	3	0.14	0.888
Brain Biopsy	9.8	4.1	65	15.3	2.3	3	2.29*	0.025
Pituitary Adenoma	11.2	4.0	177	13.0	5.9	49	2.45*	0.015
Repair CSF Rhinorrhoea (Endoscopic/Craniotomy)	12.2	5.9	60	17.6	14.0	7	1.91	0.060
Craniotomy and Excision of Astrocytoma	13.7	7.4	38	13.0	7.2	9	0.27	0.788
Decompression of nerve for Neuralgia	9.8	3.4	39	14.0	2.9	5	2.59*	0.013
Epilepsy surgeries	11.2	4.2	12	23.0	15.6	2	2.57*	0.024
Excision of Cyst	11.4	4.5	57	19.5	27.0	16	2.19*	0.032
Cranioplasty	10.5	3.6	17	7.0	0.0	1	0.94	0.359
Craniotomy and Excision / Decompression of ependymoma	17.1	14.2	7	29.5	20.9	6	1.26	0.233
Craniotomy and Decompression of Oligodendroglioma	15.4	6.8	24	19.8	9.9	4	1.12	0.273
Excision of Craniopharyngioma	14.8	6.6	21	14.5	6.9	6	0.1	0.921
Craniotomy and Excision of Cavernoma	9.7	3.6	34	16.0	8.4	5	3.01**	0.005
Bone Flap Replacement	7.3	4.4	18	15.2	14.2	5	2.13*	0.045
Hemangioma	9.8	3.1	4	12.5	2.4	4	1.41	0.209
Craniotomy and Excision of Hemangioblastoma	8.4	1.7	5	21.4	16.3	5	1.77	0.114

** - Significant at 0.01 level, * - Significant at 0.05 level

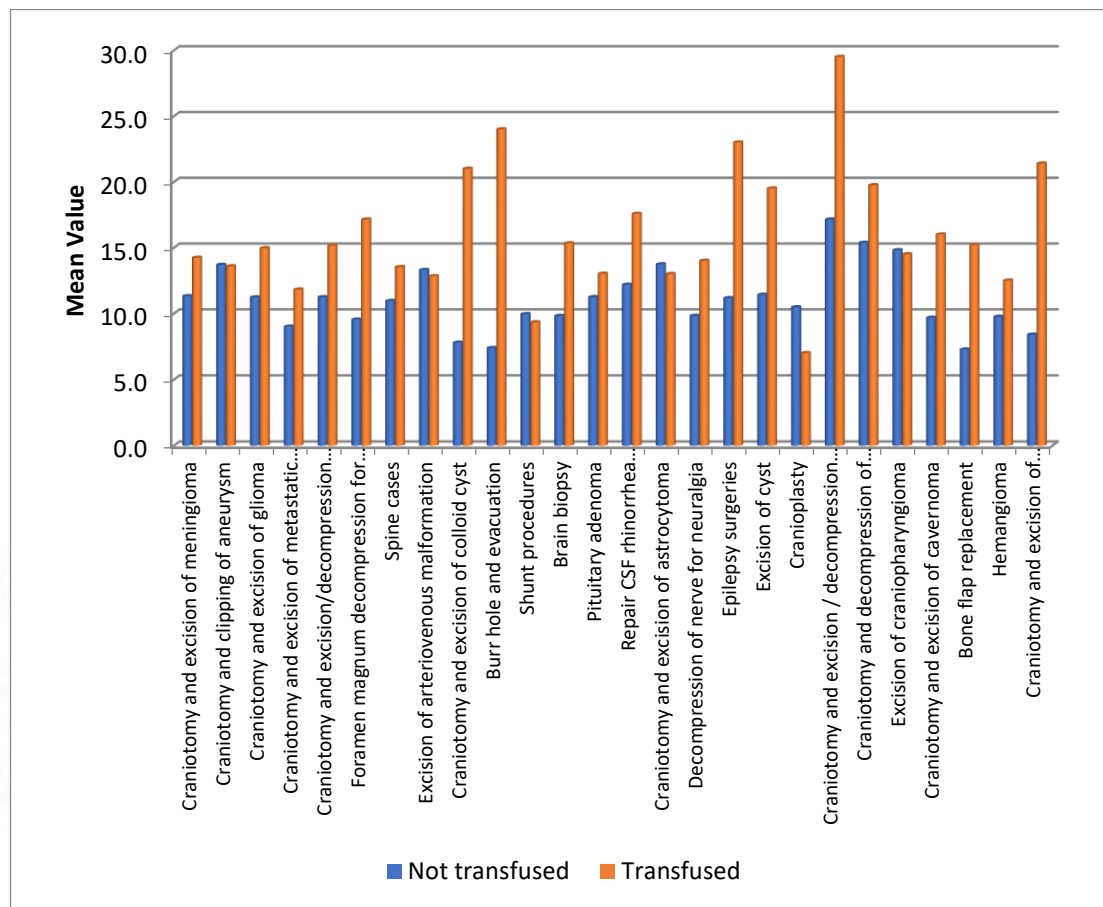


Figure 4: Association between hospital inpatient days and transfusion based on diagnosis for retrospective group.

- **Prospective period:**

The IP days spent by non-transfused and transfused group according to each category of diagnosis and procedure during prospective study period (Table 12 and figure 5). Among non-transfused group, mean IP days was found to be highest for patients with Shunt procedures (28.7), Craniopharyngioma (15.2), Brain Biopsy (12.9), Pituitary Adenoma (12.2). For Meningioma, Schwannoma, Aneurysm, Glioma, Spine cases the mean IP days were 10.7, 12.1, 10.7, 10.2 and 10.0.

The mean IP days for other common diagnosis were as follows: Colloid Cyst (9.5), Metastatic Lesions (8.6), Burr Hole Evacuation (8.9), Chiari Malformation (8.9), Neuralgia (9.6), CSF Rhinorrhoea (9.0), Epilepsy surgeries (8.4), Cyst Excision (11.6). The mean IP days for transfused group were found to be higher compared to non-transfused group in following cases: Meningioma, Aneurysm, Glioma, Metastatic Lesions, Schwannoma, Chiari Malformation, Spine cases, Colloid Cyst, Burr Hole and Evacuation and Craniopharyngioma. This finding was statistically significant in Meningioma, Chiari Malformation, Spine cases at p value 0.01 level.

The mean IP days for transfused group were found to be equivalent or lower compared to non-transfused group in following cases: Shunt procedures, Pituitary Adenoma and Cyst Excision. But none of them were statistically significant.

Table 12: Association between hospital inpatient days and transfusion based on diagnosis for prospective group

Diagnosis	Not transfused			Transfused			t	p
	Mean	SD	N	Mean	SD	N		
Craniotomy and Excision of Meningioma	10.7	3.6	51	13.5	6.8	64	2.64**	0.009
Craniotomy and Clipping of Aneurysm	10.7	4.5	29	12.3	10.9	24	0.71	0.484
Craniotomy and Excision of Glioma	10.2	3.5	68	12.2	7.3	9	1.39	0.169
Craniotomy and Excision of Metastatic Lesions	8.6	3.8	17	9.8	3.1	4	0.54	0.597
Craniotomy and Excision/Decompression of Schwannoma	12.1	4.0	28	12.3	5.0	21	0.2	0.841
Foramen Magnum Decompression for Chiari Malformation	8.9	3.2	12	21.0	0.0	1	3.59**	0.004
Spine cases	10.0	5.2	99	14.6	4.2	14	3.19**	0.002
Craniotomy and Excision of Colloid Cyst	9.5	3.1	13	14.0	0.0	1	1.4	0.187
Burr Hole and evacuation	8.9	5.8	8	35.0	38.2	2	2.27	0.053
Shunt procedures	28.7	32.4	36	15.0	0.0	1	0.42	0.678
Brain Biopsy	12.9	10.1	20	0.0	0.0	0		
Pituitary Adenoma	12.2	4.7	69	11.9	5.2	8	0.2	0.841
Repair CSF Rhinorrhoea (Endoscopic/Craniotomy)	9.0	2.5	17	0.0	0.0	0	-	-
Decompression of nerve for Neuralgia	9.6	5.1	12	0.0	0.0	0	-	-
Epilepsy surgeries	8.4	3.6	38	0.0	0.0	0	-	-
Excision of Cyst	11.6	8.3	15	10.0	4.6	3	0.32	0.754
Excision of Craniopharyngioma	15.2	4.6	13	18.5	2.4	4	1.33	0.202

**:- Significant at 0.01 level, *:- Significant at 0.05 level

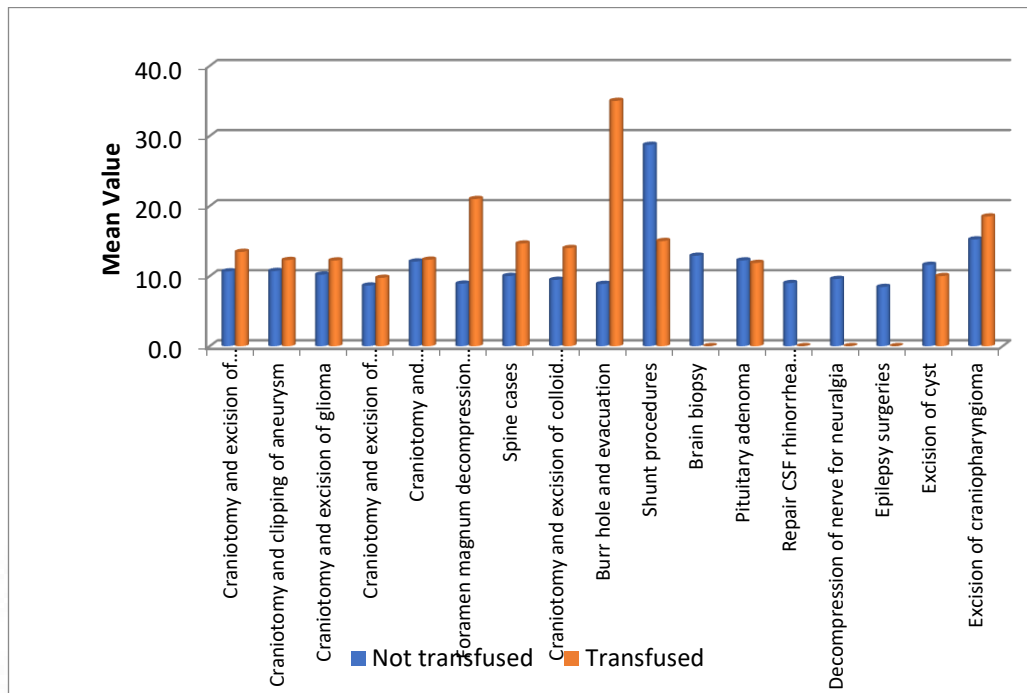


Figure 5: Association between hospital inpatient days and transfusion based on diagnosis for prospective group

- **Blood component use and IP days**

In the prospective period study group, the IP days were compared between patients who received only RBC units vs those who received any of the components (FFP, platelets and cryoprecipitate) along with RBC (Table 13).

The mean IP days in 'RBC only' group was found to be 12.5 whereas in 'RBC + components' group it was higher (19.2) and it was statistically significant ($p < 0.01$).

Table 13: Association between hospital inpatient days and usage of blood components

RBC +/- components	Mean	SD	N	t	p
RBC only	12.5	7.2	120	2.95**	0.004
RBC + Components	19.2	22.7	54		

**:- Significant at 0.01 level

- **Buffy coat depletion and IP days**

In the prospective period study group, the IP days were compared between patients who received only Buffy coat (BC) depleted - RBC, BC depleted + non- BC depleted RBC and only non- BC depleted RBCs (Table 14).

The mean IP days in 'BC depleted only' group was least (12) whereas it was higher in non- BC depleted only (17.9) and BC depleted + non BC depleted group (27.9) but it was statistically not significant ($p > 0.05$).

Table 14 – Association between BC depletion and IP days

Groups	Mean	SD	N	F	p
Non-BC depleted only	17.9	23.4	42	0.88	0.423
BC depleted + Non-BC depleted	27.9	22.1	9		
BC depleted only	12.0	7.5	3		

2) ICU hours:

Retrospective period:

The ICU hours spent by non-transfused and transfused group of patients according to each category of diagnosis and procedure during retrospective study period (Table 15

and figure 6). Among non-transfused group, mean ICU hours was found to be highest for patients with ependymoma (130), Aneurysm (94.6), Craniopharyngioma (77.6). For Astrocytoma and Oligodendroglioma, the mean ICU hours was found to be 65.2 and 50.9 respectively.

The mean ICU hours for other common diagnosis were as follows:

AVM (47.3), Glioma (46.3), CSF Rhinorrhoea (45.5), Cyst Excision (43.8), Epilepsy surgeries (41.3), Brain Biopsy (39.7), Burr Hole and Evacuation (39), Pituitary Adenoma (38.4), Schwannoma (38.8), Meningioma (36.3), Hemangioma (36), Shunt procedures (34.4), Colloid Cyst (33.6), Spine cases (33.3), Chiari Malformation (32.4), Cavernoma (31.5), Metastatic Lesions (30.5), Cranioplasty (30.1), Neuralgia (30.1), Hemangioblastoma (23.6) and Bone Flap Replacement (12.7).

The mean ICU hours for transfused group were found to be higher compared to non-transfused group in following cases: Meningioma, Aneurysm, Glioma, Metastatic Lesions, Schwannoma, Chiari Malformation, Spine cases, AV Malformation, Colloid Cyst, Burr Hole and evacuation, Brain Biopsy, Pituitary Adenoma, CSF Rhinorrhoea, Astrocytoma, Neuralgia, Epilepsy surgeries, Cyst Excision, ependymoma, Oligodendroglioma, Cavernoma, Bone Flap Replacement and Hemangioblastoma. This finding was statistically significant in:

- Schwannoma, Spine cases, Epilepsy surgeries, Oligodendroglioma ($p < 0.01$)
- Aneurysm, Neuralgia, Bone Flap Replacement ($p < 0.05$).

The mean ICU hours for transfused group were found to be equivalent or lower compared to non-transfused group in following cases: Shunt procedures,

Cranioplasty, Craniopharyngioma and Hemangioma. But none of these were statistically significant.

Table 15: Association between ICU hours and transfusion based on diagnosis for retrospective group

Diagnosis	Not transfused			Transfused			t	p
	Mean	SD	N	Mean	SD	N		
Craniotomy and Excision of Meningioma	36.3	28.9	163	67.4	101.4	221	3.81	p<0.01
Craniotomy and Clipping of Aneurysm	94.6	115.0	151	165.0	338.3	70	2.29*	0.023
Craniotomy and Excision of Glioma	46.3	49.6	250	93.0	143.3	76	4.37	p<0.01
Craniotomy and Excision of Metastatic Lesions	30.5	17.3	13	61.1	61.9	11	1.71	0.101
Craniotomy and Excision/Decompression of Schwannoma	38.8	39.9	85	80.2	114.2	97	3.18**	0.002
Foramen Magnum Decompression for Chiari Malformation	32.4	27.0	58	103.9	119.1	7	3.98	p<0.01
Spine cases	33.3	33.7	228	52.5	70.6	76	3.17**	0.002
Excision of Arteriovenous Malformation	47.3	38.9	26	50.3	36.1	24	0.28	0.777
Craniotomy and Excision of Colloid Cyst	33.6	25.0	38	55.0	0.0	1	0.84	0.404
Burr Hole and evacuation	39.0	36.1	21	114.0	0.0	1	2.03	0.056
Shunt procedures	34.4	47.2	137	31.3	22.1	3	0.11	0.910
Brain Biopsy	39.7	58.2	65	79.3	34.7	3	1.16	0.249
Pituitary Adenoma	38.4	30.5	177	48.3	53.7	49	1.67	0.096
Repair CSF Rhinorrhoea (Endoscopic/Craniotomy)	45.5	48.4	60	86.7	145.3	7	1.62	0.111
Craniotomy and Excision of Astrocytoma	65.2	61.6	38	71.3	57.1	9	0.27	0.786
Decompression of nerve for Neuralgia	30.1	18.3	39	62.0	68.3	5	2.46*	0.018
Epilepsy surgeries	41.3	40.8	12	280.0	308.3	2	3.22**	0.007
Excision of Cyst	43.8	32.0	57	118.4	290.3	16	1.93	0.057
Cranioplasty	30.1	26.1	17	23.0	0.0	1	0.26	0.796
Craniotomy and Excision / Decompression of ependymoma	130.0	220.8	7	313.8	465.2	6	0.93	0.370
Craniotomy and Decompression of Oligodendroglioma	50.9	50.4	24	144.3	104.8	4	2.91**	0.007
Excision of Craniopharyngioma	77.6	69.5	21	74.0	60.1	6	0.12	0.909
Craniotomy and Excision of Cavernoma	31.5	21.0	34	126.6	154.9	5	3.63	p<0.01
Bone Flap Replacement	12.7	16.8	18	203.6	352.2	5	2.44*	0.023
Hemangioma	36.0	27.8	4	24.3	7.4	4	0.82	0.445
Craniotomy and Excision of Hemangioblastoma	23.6	3.4	5	102.0	130.8	5	1.34	0.217

**: - Significant at 0.01 level, *: - Significant at 0.05 level

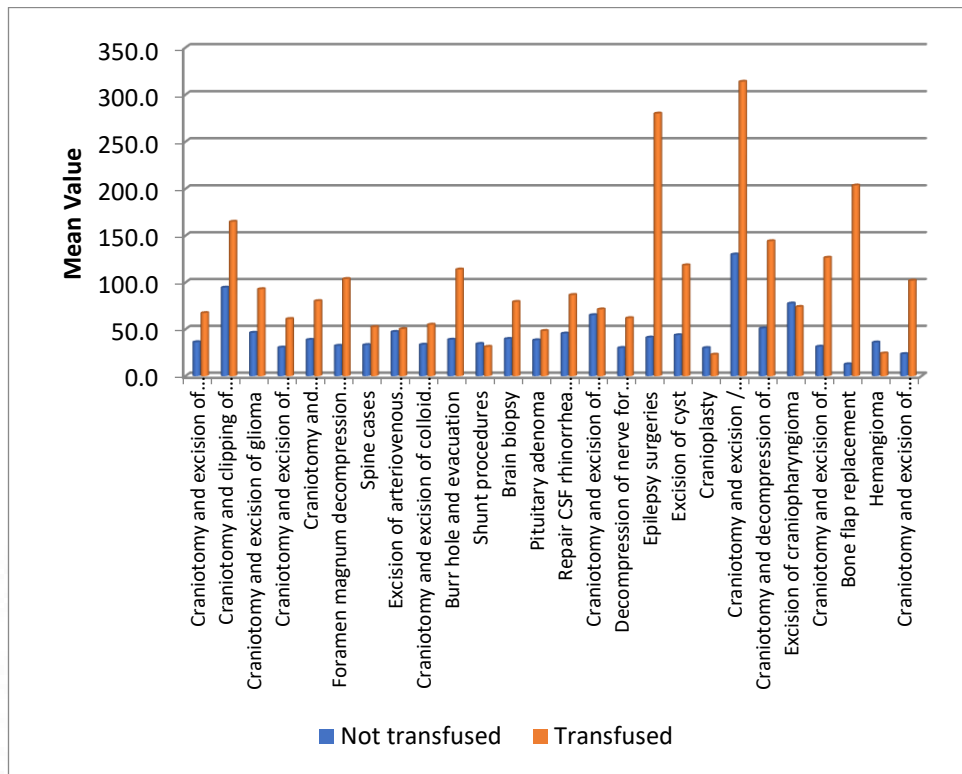


Figure 6: Association between ICU hours and transfusion based on diagnosis for retrospective group

- **Prospective period:**

The ICU hours spent by non-transfused and transfused group of patients according to each category of diagnosis and procedure during prospective study period (Table 16 and figure 7). Among non-transfused group, mean ICU hours was found to be highest for Shunt procedures (324.9), Aneurysm (100.2), Brain Biopsy (91.3), Burr Hole and Evacuation (81.4) and Craniopharyngioma (70.3).

The mean ICU hours for other common diagnosis were as follows:

Colloid Cyst (46.8), Schwannoma (43), Metastatic Lesions (39.5), Glioma (35.1), Meningioma (34.7), Spine cases (28.5), Chiari Malformation (25.2), Pituitary

Adenoma (51.1), Cyst Excision (39), CSF Rhinorrhoea (30.7), Neuralgia (27.8) and Epilepsy surgeries (24.4).

The mean ICU hours for transfused group were found to be higher compared to non-transfused group in following cases: Meningioma, Glioma, Metastatic Lesions, Chiari Malformation, Spine cases, Burr Hole and evacuation, Pituitary Adenoma, Cyst Excision and Craniopharyngioma.

This finding was statistically significant in: Meningioma ($p < 0.01$) and Glioma ($p < 0.05$).

The mean ICU hours for transfused group were found to be equivalent or lower compared to non-transfused group in following cases: Aneurysm, Schwannoma, Colloid Cyst and Shunt procedures. But none of these were statistically significant.

Table 16: Association between ICU hours and transfusion based on diagnosis for prospective group

Diagnosis	Not transfused			Transfused			t	p
	Mean	SD	N	Mean	SD	N		
Craniotomy and Excision of Meningioma	34.7	23.9	51	77.0	104.2	64	2.84**	0.005
Craniotomy and Clipping of Aneurysm	100.2	61.7	29	100.7	69.9	24	0.03	0.978
Craniotomy and Excision of Glioma	35.1	29.2	68	81.1	131.3	9	2.54*	0.013
Craniotomy and Excision of Metastatic Lesions	39.5	32.2	17	51.8	74.9	4	0.53	0.604
Craniotomy and Excision/Decompression of Schwannoma	43.0	37.2	28	41.5	33.5	21	0.15	0.880
Foramen Magnum Decompression for Chiari Malformation	25.2	23.5	12	66.0	0.0	1	1.67	0.123
Spine cases	28.5	27.7	99	62.8	56.0	14	3.72	$p < 0.01$
Craniotomy and Excision of Colloid Cyst	46.8	32.7	13	45.0	0.0	1	0.05	0.959
Burr Hole and evacuation	81.4	140.0	8	634.5	785.6	2	2.28	0.052
Shunt procedures	324.9	660.3	36	7.0	0.0	1	0.47	0.638
Brain Biopsy	91.3	152.7	20	0.0	0.0	0		
Pituitary Adenoma	51.1	58.5	69	88.4	179.2	8	1.28	0.205
Repair CSF Rhinorrhoea (Endoscopic/Craniotomy)	30.7	24.0	17	0.0	0.0	0		
Decompression of nerve for Neuralgia	27.8	21.3	12	0.0	0.0	0		
Epilepsy surgeries	24.4	16.6	38	0.0	0.0	0		
Excision of Cyst	39.0	40.2	15	78.7	74.6	3	1.37	0.191
Excision of Craniopharyngioma	70.3	56.5	13	125.5	40.1	4	1.8	0.092

**: - Significant at 0.01 level, *: - Significant at 0.05 level

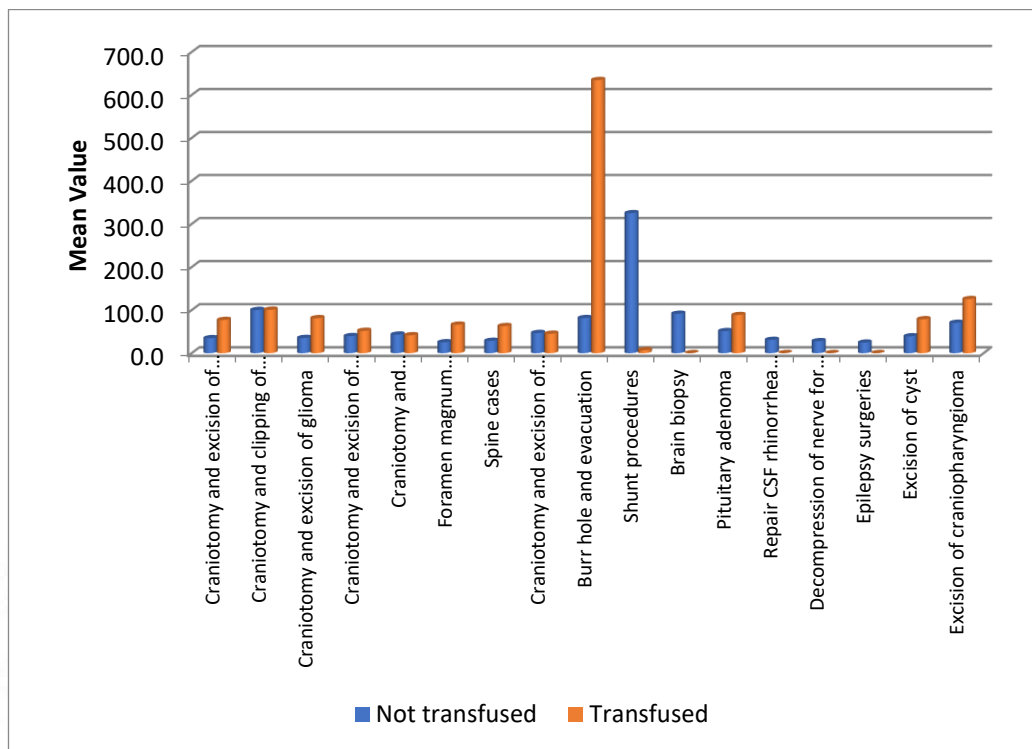


Figure 7: Association between ICU hours and transfusion based on diagnosis for prospective group

- **Blood component use and ICU hours**

In the prospective period study group, the ICU hours were compared between patients who received only RBC units vs those who received any of the components (FFP, platelets and cryoprecipitate) along with RBC (Table 17).

The mean ICU hours in 'RBC only' group was found to be 65.5 whereas in 'RBC + components' group it was higher (191.6) and it was statistically significant ($p < 0.01$)

Table 17: Association between ICU hours and usage of blood components

RBC and components	Mean	SD	N	t	p
RBC only	65.5	64.9	119	2.87**	0.005
RBC + Components	191.6	471.2	54		

**:- Significant at 0.01 level

- **BC Depletion and ICU hours**

In the prospective period study group, the ICU hours were compared between patients who received only BC Depleted - RBC, BC Depleted + non- BC Depleted RBC and only non- BC Depleted RBCs (Table 18).

The mean ICU hours in 'BC Depleted only' group was least (153.3) whereas it was higher in non- BC Depleted only (177.5) and BC Depleted + non-BC Depleted group (270.4) but it was statistically not significant ($p > 0.05$).

Table 18: Association between ICU hours and BC Depletion

Groups	Mean	SD	N	F	p
Non-BC Depleted only	177.5	518.2	42	0.15	0.861
BC Depleted + Non-BC Depleted	270.4	289.7	9		
BC Depleted only	153.3	96.1	3		

ASSOCIATION BETWEEN TRANSFUSION AND MORTALITY:

The mortality was compared between transfused and non-transfused group of patients during two phases of study period (Table 19 and figure 8). During retrospective period transfused group had higher mortality (2.9%) compared to non-transfused group (1.1%). Similarly, the mortality rate among transfused group was higher (3.1%) than non-transfused group (0.9%) during prospective period. Comparison was statistically significant at $p < 0.01$ and $p < 0.05$ during retrospective and prospective periods respectively.

Table 19: Comparison of association between mortality and transfusion in retrospective and prospective group

Group	Mortality	Not transfused		Transfused		χ^2	p
		Count	Percent	Count	Percent		
Retrospective	No	1728	98.9	693	97.1	10**	0.002
	Yes	20	1.1	21	2.9		
Prospective	No	578	99.1	158	96.9	4.7*	0.030
	Yes	5	0.9	5	3.1		

**:- Significant at 0.01 level, *:- Significant at 0.05 level

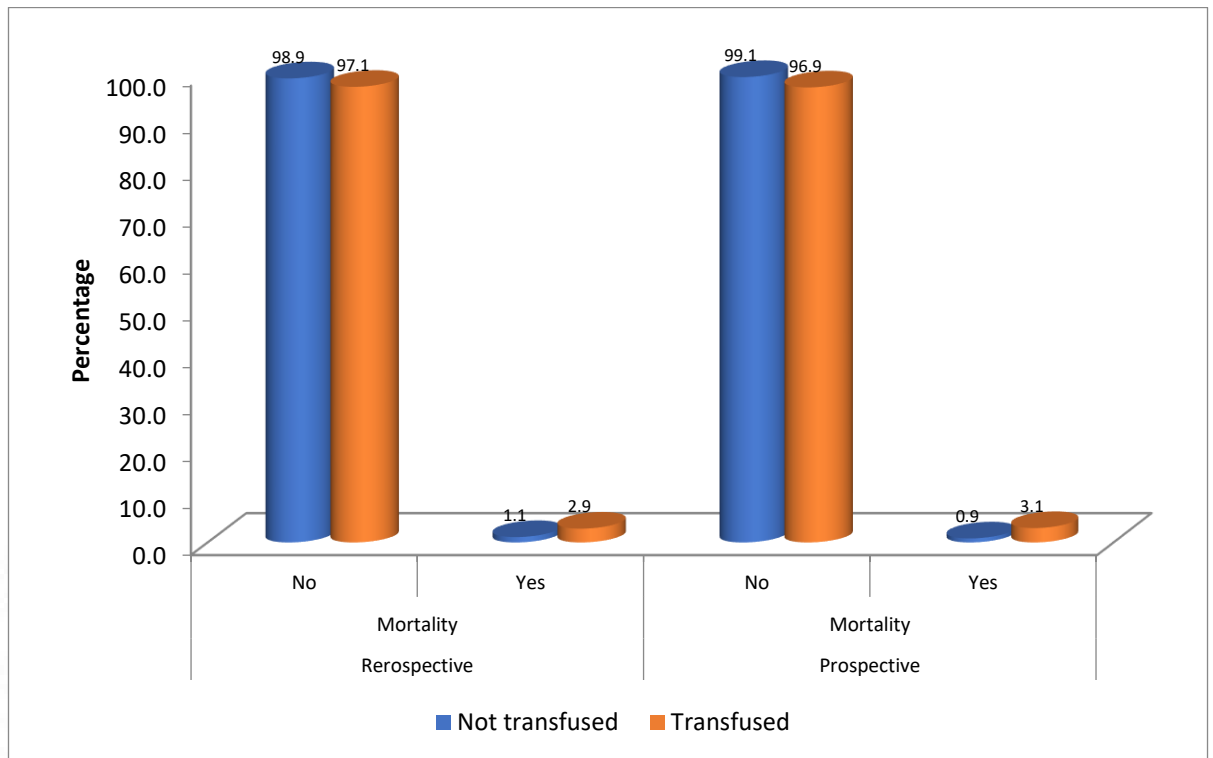


Figure 8: Comparison of association between mortality and transfusion in retrospective and prospective group

- **Blood component use and mortality**

In the prospective period study group, the mortality was compared between patients who received only RBC units vs those who received any of the components (FFP, Platelets and Cryoprecipitate) along with RBC (Table 20).

The mortality in 'RBC only' group was nil whereas in 'RBC + components' group it was higher (7.4%) and it was statistically significant ($p < 0.01$).

Table 20: Association between mortality and usage of blood components.

RBC and components	Mortality				χ^2	p
	Yes		No			
	Count	Percent	Count	Percent		
RBC only	0	0.0	120	100.0	9.1**	0.003
RBC + Components	4	7.4	50	92.6		

**:- Significant at 0.01 level

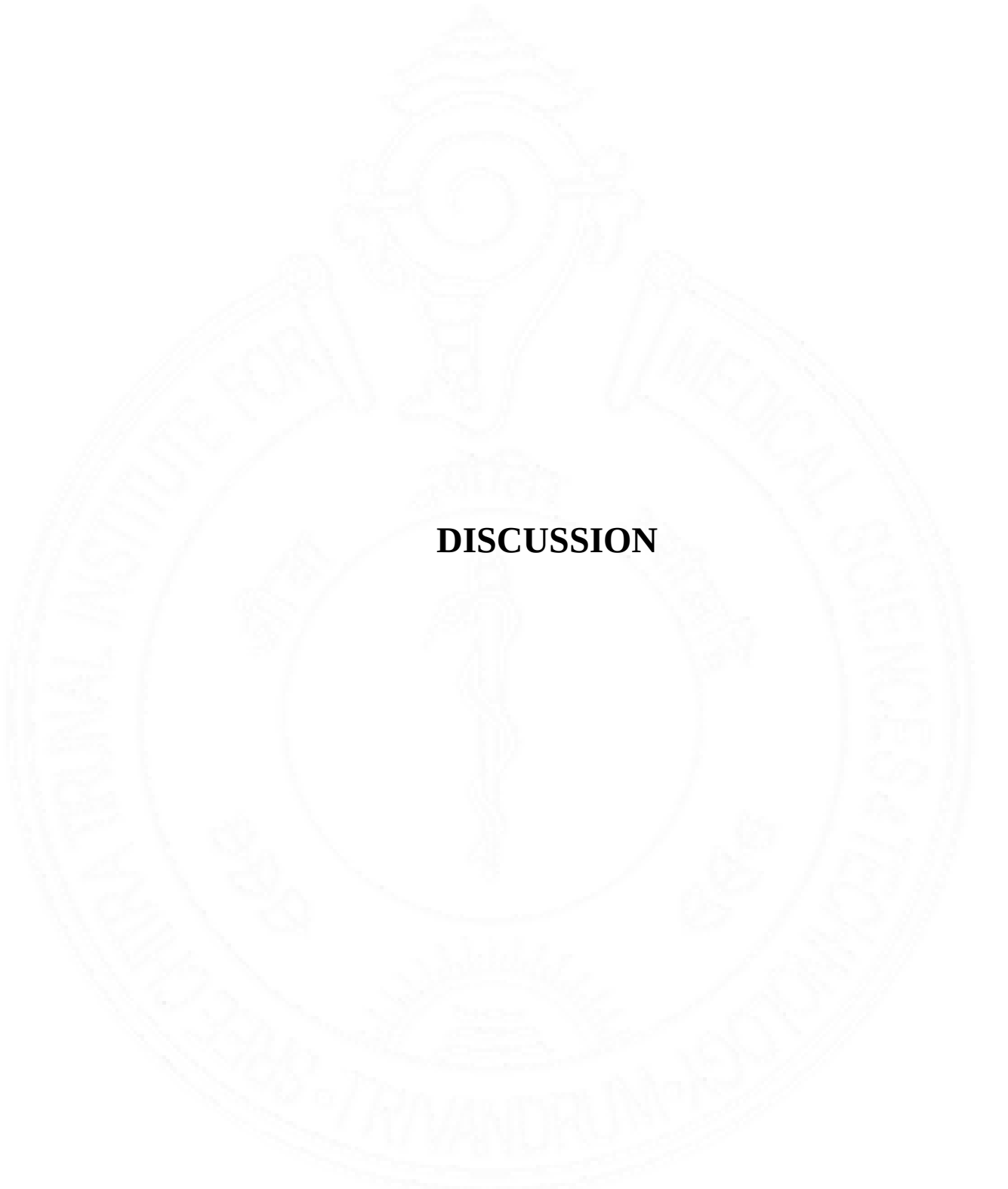
- **BC Depletion and mortality**

In the prospective period study group, the mortality was compared between patients who received only BC Depleted -RBC, BC Depleted + non- BC Depleted RBC and only non- BC Depleted RBCs (Table 21).

The mortality in 'BC Depleted only' group was highest (33.3%) whereas it was lesser in non- BC Depleted only (4.8%) and BC Depleted + non- BC Depleted group (11.1%) but it was statistically not significant ($p > 0.05$).

Table 21: Association between mortality and usage of BC Depletion components

Groups	Mortality				χ^2	p
	Yes		No			
	Count	Percent	Count	Percent		
Non-BC Depleted only	2	4.8	40	95.2	3.55	0.170
BC Depleted + Non-BC Depleted	1	11.1	8	88.9		
BC-Depleted only	1	33.3	2	66.7		



DISCUSSION

A total of 2462 patients in retrospective period and 746 patients in prospective period. The patients crossmatched was 90.9% in retrospective period whereas it was 45.7% in prospective period. The patients among the crossmatched, who received blood transfusion was 31% in retrospective period and 47.8% in prospective period. The mortality observed was 1.66% in retrospective period and 1.34% in prospective period.

The mean age group was 45.5 ($\pm$ SD 13.9) and 44.2 ($\pm$ SD 14.1) in retrospective and prospective periods respectively. The male patients were 46.5% and 51.9% in retrospective and prospective periods. The female patients were 53.5% and 48.1% in retrospective and prospective periods.

BLOOD UTILISATION

Some procedures with very high CT ratio were identified: Craniotomy and Excision of Colloid Cyst (32), Shunt procedures (21.2), Brain Biopsy (19.5), Craniotomy and Excision of Cavernoma (19), Cranioplasty (19). This highlighted the over ordering of blood units for the procedures which doesn't require blood. Other procedures with high CT ratio were Craniotomy and Decompression of Oligodendroglioma (8.43), Craniotomy and Excision of Craniopharyngioma (7), Decompression of nerve for Neuralgia (7.33), Craniotomy and Excision of Astrocytoma (6.57), Epilepsy surgeries (6.33), Craniotomy and Excision of Pituitary Adenoma (6), Foramen Magnum Decompression for Chiari Malformation (5.75), Endoscopic Excision of Craniopharyngioma (5.33), Excision of Cysts (5.21), Craniotomy and Excision of

Glioma (5.06), Craniotomy and Clipping of Aneurysm (4.3), Endoscopic Excision of Pituitary Adenoma (4.17), other uncommon procedures (3.6), Spine cases (3.52), Bone Flap Replacement (3.43), Craniotomy and Excision of Hemangioblastoma (3.43), Craniotomy and Excision of Metastatic Lesions (2.94), Excision of AV Malformation (2.80). All these procedures had blood utilisation <50%, indicating excessive crossmatching.

The procedures with acceptable CT ratio were Craniotomy and Excision of Meningioma (2.54), Craniotomy and Excision/Decompression of Schwannoma (2.32), Craniotomy and CSF leak repair (2.27), Craniotomy and Excision of ependymoma (2.06) and Craniotomy and Excision of Hemangioma (2.55). The transfusion indices calculated for the retrospective period as shown in table 6 highlighted that none of the procedures had ideal CT ratio (<2) or blood utilisation (>50%) indicating the excessive crossmatch and thus the need to formulate MSBOS for each of the common procedures.

The CT ratio in our retrospective study were much lower and transfusion probability and transfusion index were much higher than that reported by Guduri et al. (35). This shows that blood transfusion practises vary at different institutes and thus require a local MSBOS protocol. The transfusion indices achieved in our prospective study were similar to that reported by Belayneh et al. (85). However, their study included surgical procedures as a whole consisting of many departments.

FORMULATED MSBOS

According to the transfusion indices calculated for the retrospective period, the following were categorised to be type and screen procedures.

1. Foramen Magnum Decompression for Chiari Malformation: It was given a MSBOS of one unit by Guduri et al. (35). The difference may be due to varied surgical and anesthetic practises.
2. Bone Flap Replacement: It was similar to Guduri et al (35).
3. Craniotomy and Excision of Pituitary Adenoma
4. Cranioplasty: It was similar to Guduri et al (35) and Saringcarinkul et al. (36)
5. Craniotomy and Excision of Cavernoma
6. Endoscopic TENTS or Craniotomy Excision of Pituitary Adenoma: But, it was categorised as MSBOS of 2 units by Saringcarinkul et al. (36).
7. Shunt procedures: The CSF/Shunt procedures were considered in T and S category by Guduri et al. (35) similar to our study. But these were categorised as type only procedures by Saringcarinkul et al. (36), Frank et al. (34) and Labrador guidelines (37). Since our department performs antibody screening for all patients, the type only category was not included in our study.
8. Craniotomy and Decompression of Oligodendroglioma
9. Endoscopic repair of CSF leak
10. Brain Biopsy
11. Endoscopic Excision of Craniopharyngioma
12. Craniotomy and Excision of Astrocytoma
13. Craniotomy and Excision of Colloid Cyst

14. Craniotomy and Excision of Craniopharyngioma: It was categorised as MSBOS of 2 units by Saringcarinkul et al. (36).

15. Epilepsy surgeries

16. Burr Hole and evacuation: It was similar to Guduri et al (35).

17. Decompression of nerve for Neuralgia: It was similar to Frank et al. (34).

18. Craniotomy and Excision of Glioma

19. Spine Cases: The categorisation of all Spine cases to type and screen was similar to Saringcarinkul et al. (36). However, Guduri et al. (35) subcategorised Occipital cervical fusion (MSBOS-2), Odontoid screw fixation (MSBOS 1) and Discectomy, Laminectomy, Microdiscectomy (T and S). Likewise The Labrador guidelines (37) also subcategorized Spinal operations (Spine tumor, posterior cervical Spine fusion, Spine incision and drainage) as MSBOS 2 and Spine hardware removal/Biopsy as T and S. The study by Frank et al (34) which included only spinal procedures also subcategorized the spinal procedures. They allotted MSBOS 4 for Thoracic, lumbar and sacral fusion, MSBOS 2 for Spine tumor, Posterior cervical Spine fusion, Spine Incision and drainage (I & D), Intracranial procedures and T and S for Laminectomy/Discectomy, Spine hardware removal/Biopsy and Type only for Anterior cervical discectomy and fusion (ACDF).

20. Excision of Cyst

For the following procedures, with transfusion probability >30% and transfusion index >0.5, MSBOS was calculated to be 1 unit.

1. Craniotomy and Excision of Hemangioblastoma
2. Craniotomy and Excision of Metastatic Lesions
3. Craniotomy and Clipping of Aneurysm: It was categorised as MSBOS of 2 units by Saringcarinkul et al. (36) and Labrador guidelines (37).
4. Others

For the following procedures, with transfusion probability >30% and transfusion index >0.5, MSBOS was calculated to be 2 units.

1. Excision of Arteriovenous Malformation: It was similar to Saringcarinkul et al. (36) and Labrador guidelines (37).
2. Craniotomy and Excision / Decompression of Ependymoma
3. Craniotomy and Excision of Meningioma: It was categorised as MSBOS of 2-4 units by Saringcarinkul et al. (36).
4. Craniotomy and Excision/Decompression of Schwannoma
5. Craniotomy and Excision of Hemangioma
6. Craniotomy and CSF Leak repair

The tumors were categorized as MSBOS of two units in general by Saringcarinkul et al. (36) and Frank et al (34). However, we subcategorized common Brain tumors based on diagnosis. The Meningioma, Ependymoma, Schwannoma and Hemangioma were under MSBOS two, Hemangioblastoma and Metastatic Lesions under MSBOS one and Pituitary Adenoma, Cavernoma,

Oligodendroglioma, Craniopharyngioma, Astrocytoma, Glioma were considered as T and S cases. This highlights the fact that the MSBOS should be based on local institute protocol depending on the most common procedures performed.

ASSESSMENT OF IMPLEMENTATION

After the implementation of MSBOS and following it for one year, the blood utilisation was reassessed by calculating all the transfusion indices as shown in table 8 and 9.

The overall CT ratio reduced from 3.6 to 2.4 and TP increased from 32% to 48%. The similar results were observed by Chaurasia et al. (26), where the overall C:T ratio reduced from 5.3 to 1.9, TP increased from 23.6% to 29.5%.

Those procedures which were performed on ≥ 5 patients were revised based on data of prospective data. For others, due to a smaller number of cases, the MSBOS was continued as before.

Procedures with MSBOS of 2 units

1. Craniotomy and Excision of Meningioma:

The CT ratio in prospective period was found to be 2.48. It means we avoided excessive crossmatch but there was still significant blood wastage. On comparison with retrospective period (2.53), we could bring down the CT ratio below 2.5.

The blood utilisation in prospective period was 40.36%. Though we couldn't achieve the ideal 50%, there was slight improvement compared to retrospective period (39.44%). With current TP of 56% and TI of 0.97, this procedure continued to remain in the category of type and crossmatch category in the revised MSBOS with 2 units.

2. Craniotomy and Excision/Decompression of Schwannoma

The CT ratio in prospective period was found to be 3.11. It means we are excessively crossmatching blood units for this procedure. On comparison with retrospective period (2.32), the CT ratio was high. This highlighted the need to revise the MSBOS.

The blood utilisation in prospective period was 32.08%. This value was far lower than ideal 50% and also decreased compared to retrospective period (43.09%). This value also hinted to revise MSBOS. With current TP of 46% and TI of 0.7, this procedure continued to remain in the category of type and crossmatch category in the revised MSBOS but with 1 unit.

3. Craniotomy and Excision / Decompression of ependymoma:

The CT ratio in prospective period was found to be 2.5. It means we avoided excessive crossmatch but there was still significant blood wastage. On comparison with retrospective period (2.05), there was slight increase in CT ratio but it remained within 2.5.

The blood utilisation in prospective period was 40%. It was well below the ideal 50% and there was decrease in efficient blood utilisation compared to retrospective period (48.65%).

Thus, the increase in CT ratio and decrease in blood utilisation prompted us to revise the MSBOS. With current TP of 40% and TI of 0.8, this procedure continued to remain in the category of type and crossmatch category in the revised MSBOS with 1 unit.

4. Craniotomy and Excision of Hemangioma:

The CT ratio in prospective period was found to be 1.71 which has achieved the ideal target of <2 . On comparison with retrospective period (2.5), we have successfully avoided the excessive crossmatching.

The blood utilisation in prospective period was 58.33%. This had also reached the ideal value of $>50\%$. There was significant improvement compared to retrospective period (39.29%). With current TP of 50% and TI of 1.75, this procedure continued to remain in the category of type and crossmatch category. Since the number of patients was less than 5 and transfusion indices were in ideal limits, we didn't revise MSBOS and continued with MSBOS of 2 units for this procedure in new protocol.

Procedures with MSBOS of 1 unit

1. Craniotomy and Clipping of Aneurysm:

The CT ratio in prospective period was found to be 2.35. It means we avoided excessive crossmatch but there was still significant blood wastage. On comparison with retrospective period (4.33), we could bring down the CT ratio below 2.5.

The blood utilisation in prospective period was 42.53%. Though we couldn't achieve the ideal 50%, there was slight improvement compared to retrospective period (23.09%). With current TP of 45% and TI of 0.7, this procedure continued to remain in the category of type and crossmatch category with same MSBOS of 1 unit.

2. Craniotomy and Excision of Hemangioblastoma:

The transfusion indices couldn't be calculated for the prospective period because none of the 5 patients required any transfusion. The CT ratio (3.43) and blood utilisation (29.17%) were well out of normal values during retrospective period also. This hinted us that the pretransfusion strategy has to be changed. Since TP was 0% and TI also 0, this procedure was reallocated as type and screen procedure.

3. Craniotomy and Excision of Metastatic Lesions:

The CT ratio in prospective period was found to be 6.25. It means there was excessive crossmatch and significant blood wastage. On comparison

with retrospective period (2.94), there was significant increase in CT ratio and well over acceptable 2.5.

The blood utilisation in prospective period was 16%. It was very well below the ideal 50% and there was decrease in efficient blood utilisation compared to retrospective period (33.96%). Thus, the increase in CT ratio and decrease in blood utilisation prompted us to revise the MSBOS. With current TP of 19% (<30%) and TI of 0.19 (<0.5), this procedure was recategorized as type and screen procedure.

Type and Screen procedures:

As discussed in methodology, if any of these cases required blood intraoperatively, we performed immediate spin crossmatch and issued blood units. Thus, at the end of prospective study period, we had two categories:

a) Those procedures which were managed completely by type and screen

This category of procedures did not require any blood units intraoperatively. Thus, these were continued to be under type and screen category in the revised protocol. The following table 22 shows the total number of patients that were operated for each of those procedures and percentage of type and screen performed was compared between retrospective and prospective group.

Table 22: List of procedures which were managed by type and screen only

S.no	Diagnosis and Procedure	Retrospective			Prospective		
		Total pt	T&S	Percentage	Total	T&S	Percentage
1	Brain Biopsy	68	22	32%	20	20	100%
2	Endoscopic repair of CSF Rhinorrhoea	54	12	22%	17	17	100%
3	Decompression of nerve for Neuralgia	44	22	50%	12	12	100%
4	Epilepsy surgeries	14	0	0%	38	38	100%
5	Cranioplasty	18	0	0%	5	5	100%
6	Craniotomy and Excision of Cavernoma	38	0	0%	7	7	100%
7	Bone Flap Replacement	23	9	39%	8	8	100%

1. Brain Biopsy

The CT ratio was 19.5 and blood utilised was 5.13% in retrospective period. After application of type and screen no crossmatch was required for any of the patients who underwent this procedure. This signifies the successful implementation of this strategy. The percentage of patients who were managed with type and screen alone rose from 32% in retrospective period to 100% in prospective period. Based on these observations, we continued to perform T&S strategy for this procedure in the revised blood utilisation protocol.

2. Endoscopic repair of CSF leak

In the retrospective period 42 patients were crossmatched with 59 units and none were transfused which shows 0% blood utilisation and excessive

crossmatching. In the prospective period, none of the patients required any transfusions during intraoperative period similar to retrospective study. Additionally, none of the patients were crossmatched with even a single unit, thus avoided the unnecessary crossmatches. This signifies the successful implementation of this strategy. The percentage of patients who were managed with type and screen alone rose from 22% in retrospective period to 100% in prospective period. Based on these observations, we continued to perform T&S strategy for this procedure in the revised blood utilisation protocol.

3. Decompression of nerve for Neuralgia

The CT ratio was 7.3 and blood utilised was 13.64% in retrospective period. After application of type and screen no crossmatch was required for any of the patients who underwent this procedure. This signifies the successful implementation of this strategy. The percentage of patients who were managed with type and screen alone rose from 50% in retrospective period to 100% in prospective period. Based on these observations, we continued to perform T&S strategy for this procedure in the revised blood utilisation protocol.

4. Epilepsy surgeries

The CT ratio was 6.3 and blood utilised was 15.79% in retrospective period. After application of type and screen no crossmatch was required for any of the patients who underwent this procedure. This signifies the successful

implementation of this strategy. The percentage of patients who were managed with type and screen alone rose from 0% in retrospective period to 100% in prospective period. Based on these observations, we continued to perform T&S strategy for this procedure in the revised blood utilisation protocol.

5. Cranioplasty

The CT ratio was 19 and blood utilised was 5.26% in retrospective period. After application of type and screen no crossmatch was required for any of the patients who underwent this procedure. This signifies the successful implementation of this strategy. The percentage of patients who were managed with type and screen alone rose from 0% in retrospective period to 100% in prospective period. Based on these observations, we continued to perform T&S strategy for this procedure in the revised blood utilisation protocol.

6. Craniotomy and Excision of Cavernoma

The CT ratio was 39 and blood utilised was 5.26% in retrospective period. After application of type and screen no crossmatch was required for any of the patients who underwent this procedure. This signifies the successful implementation of this strategy. The percentage of patients who were managed with type and screen alone rose from 0% in retrospective period to 100% in prospective period. Based on these observations, we continued to

perform T&S strategy for this procedure in the revised blood utilisation protocol.

7. Bone Flap Replacement

The CT ratio was 3.4 and blood utilised was 29.17% in retrospective period. After application of type and screen no crossmatch was required for any of the patients who underwent this procedure. This signifies the successful implementation of this strategy. The percentage of patients who were managed with type and screen alone rose from 39% in retrospective period to 100% in prospective period. Based on these observations, we continued to perform T&S strategy for this procedure in the revised blood utilisation protocol.

b. Those procedures which were categorised under T&S but required RBC units intraoperatively.

This category of procedures had some patients who required transfusion intraoperatively. In order to assess whether the type and screen policy is acceptable strategy, we adopted a new transfusion index for type and screen category namely

Transfusion index for T&S (TITS) and Transfusion probability in T&S (TPTS).

- Transfusion index for T&S= $\frac{\text{Number of transfused units}}{\text{Total number of patients}}$

- Transfusion probability in T&S= (Number patients requiring transfusion/Total number of patients) X 100

These indices were calculated for category 2 procedures of T&S (table 23).

Table 23: Type and screen procedures which required blood during intraoperative period

S.no	Diagnosis and procedure	TP in T&S	TI for T&S	MSBOS	RECOMMENDED MSBOS
1	Glioma	12%	0.18	0.27	TS
2	Foramen Magnum Decompression for Chiari Malformation	8%	0.15	0.23	TS
3	Spine cases	12%	0.28	0.42	TS
4	Craniotomy and Excision of Colloid Cyst	7%	0.07	0.10	TS
5	Burr Hole and evacuation	20%	0.2	0.3	TS
6	VP Shunt	3%	0.03	0.04	TS
7	Excision of Pituitary Adenoma	10%	0.14	0.21	TS
8	Excision of Astrocytoma	17%	0.17	0.25	TS
9	Excision of Cyst	17%	0.33	0.5	TS
10	Craniopharyngioma	24%	0.29	0.44	TS
11	Oligodendroglioma	33%	0.33	0.5	TS

1. Craniotomy and Excision of Glioma

The CT ratio in prospective period was found to be 2.5. It means significant blood wastage was avoided but excessive crossmatching was performed though within acceptable limits. On comparison with retrospective period (5.06), we could bring down the CT ratio to 2.5.

The blood utilisation in prospective period was 38.89%. Though we couldn't achieve the ideal 50%, there was significant improvement compared to retrospective period (19.75%). With current TPTS of 12% (<30%) and TITS of 0.18 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

2. Foramen Magnum Decompression for Chiari Malformation

The CT ratio in prospective period was found to be 1. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (5.75), we could bring down the CT ratio below 2, thus reaching the ideal values.

The blood utilisation in prospective period was 100%, which means effective blood utilisation was achieved (>50%). This was a drastic improvement compared to retrospective period (17.39%). With current TPTS of 8% (<30%) and TITS of 0.15 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

1. Spine cases

The CT ratio in prospective period was found to be 1.71. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (3.51), we could bring down the CT ratio below 2, thus reaching the ideal values.

The blood utilisation in prospective period was 58.18%, which means effective blood utilisation was achieved (>50%). This was a significant improvement compared to retrospective period (28.42%). With current TPTS of 8% (<30%) and TITS of 0.15 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

2. Craniotomy and Excision of Colloid Cyst

The CT ratio in prospective period was found to be 2. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (32), we could bring down the CT ratio below 2, thus reaching the ideal values. The blood utilisation in prospective period was 50%, which means effective blood utilisation was achieved (>50%). This was a drastic improvement compared to retrospective period (5%). With current TPTS of 7% (<30%) and TITS of 0.07 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

3. Burr Hole and evacuation

The CT ratio in prospective period was found to be 1.5. It means significant blood wastage as well as excessive crossmatching was avoided. In the retrospective period, none of the crossmatched were transfused.

The blood utilisation in prospective period was 66.67%, which means effective blood utilisation was achieved (>50%). This was a significant

improvement compared to retrospective period (0%). With current TPTS of 20% (<30%) and TITS of 0.2 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

4. Shunt procedures

The CT ratio in prospective period was found to be 1. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (21.2), we could bring down the CT ratio below 2, thus reaching the ideal values. The blood utilisation in prospective period was 100%, which means effective blood utilisation was achieved (>50%). This was a significant improvement compared to retrospective period (4.72%). With current TPTS of 3% (<30%) and TITS of 0.03 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

5. Excision of Pituitary Adenoma

The CT ratio in prospective period was found to be 1.82. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (4.29), we could bring down the CT ratio below 2, thus reaching the ideal values.

The blood utilisation in prospective period was 59%, which means effective blood utilisation was achieved (>50%). This was a significant improvement compared to retrospective period (23.28%). With current TPTS of 10%

(<30%) and TITS of 0.14 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

6. Excision of Astrocytoma

The CT ratio in prospective period was found to be 2. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (6.5), we could bring down the CT ratio to 2, thus reaching the ideal values. The blood utilisation in prospective period was 50%, which means effective blood utilisation was achieved (>50%). This was a significant improvement compared to retrospective period (15.22%). With current TPTS of 17% (<30%) and TITS of 0.17 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

7. Excision of Cysts

The CT ratio in prospective period was found to be 1.33. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (5.2), we could bring down the CT ratio below 2, thus reaching the ideal values. The blood utilisation in prospective period was 75%, which means effective blood utilisation was achieved (>50%). This was a significant improvement compared to retrospective period (19.21%). With current TPTS of 17% (<30%) and TITS of 0.33 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

8. Excision of Craniopharyngioma

The CT ratio in prospective period was found to be 1.4. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (5.3), we could bring down the CT ratio below 2, thus reaching the ideal values. The blood utilisation in prospective period was 71.43%, which means effective blood utilisation was achieved (>50%). This was a significant improvement compared to retrospective period (18.75%). With current TPTS of 24% (<30%) and TITS of 0.29 (<0.5), this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

9. Craniotomy and Excision of Oligodendroglioma

The CT ratio in prospective period was found to be 1. It means significant blood wastage as well as excessive crossmatching was avoided. On comparison with retrospective period (8.4), we could bring down the CT ratio below 2, thus reaching the ideal values. The blood utilisation in prospective period was 100%, which means effective blood utilisation was achieved (>50%). This was a significant improvement compared to retrospective period (11.86%). The current TPTS of 33% is more than 30% which suggests crossmatch. But because of TITS of 0.33 (<0.5) and a smaller number of cases (3) this procedure continued to remain in the category of type and screen category in the revised blood utilisation protocol.

Comparison of formulated MSBOS based on retrospective data with the revised MSBOS based on prospective period

Table 24: Revised MSBOS based on prospective study group and its comparison with retrospective group

S.no	Diagnosis and procedure	EXISTING MSBOS	REVISED MSBOS
1	Craniotomy and Excision of Meningioma	2	2
2	Craniotomy and Clipping of Aneurysm	1	1
3	Craniotomy and Excision of Glioma	TS	TS
4	Craniotomy and Excision of Metastatic Lesions	1	TS
5	Excision/Decompression of Schwannoma	2	1
6	Foramen Magnum Decompression for Chiari Malformation	TS	TS
7	Spine cases	TS	TS
8	Craniotomy and Excision of Colloid Cyst	TS	TS
9	Burr Hole and evacuation	TS	TS
10	Shunt procedures	TS	TS
11	Brain Biopsy	TS	TS
12	Excision of Pituitary Adenoma (Craniotomy/Endoscopic)	TS	TS
13	Endoscopic CSF leak repair	TS	TS
14	Craniotomy and Excision of Astrocytoma	TS	TS
15	Decompression of nerve for Neuralgia	TS	TS
16	Epilepsy surgeries	TS	TS
17	Excision of Cyst	TS	TS
18	Cranioplasty	TS	TS
19	Craniotomy and Excision of Ependymoma	2	1
20	Craniotomy and Decompression of Oligodendroglioma	TS	TS
21	Excision of Craniopharyngioma (Craniotomy/Endoscopic)	TS	TS
22	Craniotomy and Excision of Cavernoma	TS	TS
23	Bone Flap Replacement	TS	TS
24	Craniotomy and Excision of Hemangioma	2	2
25	Craniotomy and Excision of Hemangioblastoma	1	TS
26	Craniotomy and CSF leak repair	2	2
27	Craniotomy and Excision of AV Malformation	2	2

Revised MSBOS

Type and screen procedures.

1. Foramen Magnum Decompression for Chiari Malformation
2. Bone Flap Replacement
3. Craniotomy and Excision of Pituitary Adenoma
4. Cranioplasty
5. Craniotomy and Excision of Cavernoma
6. Endoscopic TNTS or Craniotomy Excision of Pituitary Adenoma
7. Shunt procedures
8. Craniotomy and Decompression of Oligodendroglioma
9. Endoscopic repair of CSF leak
10. Brain Biopsy
11. Endoscopic Excision of Craniopharyngioma
12. Craniotomy and Excision of Astrocytoma
13. Craniotomy and Excision of Colloid Cyst
14. Craniotomy or Endoscopic Excision of Craniopharyngioma
15. Epilepsy surgeries
16. Burr Hole and evacuation
17. Decompression of nerve for Neuralgia
18. Craniotomy and Excision of Glioma
19. Spine Cases
20. Excision of Cyst
21. Craniotomy and Excision of Hemangioblastoma
22. Craniotomy and Excision of Metastatic Lesions

MSBOS of 1 unit.

1. Craniotomy and Excision/Decompression of Schwannoma
2. Craniotomy and Excision / Decompression of ependymoma
3. Craniotomy and Clipping of Aneurysm

MSBOS of 2 units.

1. Excision of Arteriovenous Malformation
2. Craniotomy and Excision of Meningioma
3. Craniotomy and Excision of Hemangioma
4. Craniotomy and CSF Leak repair

Table 25: Transfusion Indices comparison with other studies

S.NO	STUDY	Department	YEAR	SAMPLE	C/T	TP (%)	TI	BU (%)
1	M Vibhute et al, India (80)	General surgery	1997	680	2.48	38.4	1.6	40.23
2	Frank et al, USA (34)	many	2013	53,526	NA	NA	NA	32.6
3	Hall et al, UK (81)	Gastro surgery	2013	541	2.6	34.5	1.53	46.9
4	Subramanian et al, India (82)	many	2015	1109	3.61	47.8	0.39	39.7
5	Aryal et al, Nepal (83)	OBG	2016	122	4.44	9.83	0.27	22.5
6	Yazdi et al, Iran (84)	many	2016	398	3.71	16.83	0.31	26.9
7	Guduri et al, India (35)	many	2017	2674	4.57	26.6	0.3	15
8	Guduri et al, India (35)	Neurosurgery	2017	NA	6.65	26.7	0.34	NA
9	Belayneh et al, Ethiopia (85)	Many	2013	1212	2.3	47	0.77	NA
10	Present study (Retrospective)	Neurosurgery	2018-21	2462	3.6	32	0.6	27.40
11	Present study (Prospective)	Neurosurgery	2022	746	2.4	48	0.8	41.55

ASSOCIATION BETWEEN TRANSFUSION, MORBIDITY AND MORTALITY

Blood transfusion and morbidity

- Blood transfusion was associated with increased number of IP days and it was statistically significant in following cases.

IP DAYS RETROSPECTIVE

Meningioma
Spine cases
Burr Hole and evacuation
Brain Biopsy
Pituitary Adenoma
Neuralgia
Epilepsy surgeries
Cyst Excision
Cavernoma
Bone Flap Replacement

IP DAYS PROSPECTIVE

Meningioma
Spine cases
Chiari Malformation

Seicean et al. (68) observed that transfusion remained adversely associated with prolonged LOS in patients undergoing elective Spine surgery which was similar to our study where transfused group among Spine cases had longer IP days in both retrospective and prospective group. Aoude et al. (72) also identified that patients receiving transfusions who underwent lumbar fusion and thoracic fusion had longer hospital stay. Cohen et al. (75) in their study to analyze risk associated with perioperative red blood cell transfusion in cranial surgery, found that RBC transfusion was associated with prolonged length of hospitalization. Similarly, we observed longer LOS among Meningioma patients in both retrospective and prospective study period.

But Vassal et al. (71) did not find any significant difference in length of stay between the transfused and non-transfused patients in their study to evaluate risk factors for intraoperative allogeneic blood transfusion during Craniotomy for Brain tumor removal in children.

The patient group who was transfused with 'RBC + components' had higher IP days compared to the group who received only RBC.

- The patient group who was transfused with 'RBC + components' had higher ICU hours compared to the group who received only RBC.
- Blood transfusion was associated with increased number of ICU hours and it was statistically significant in following cases.

ICU HOURS RETROSPECTIVE

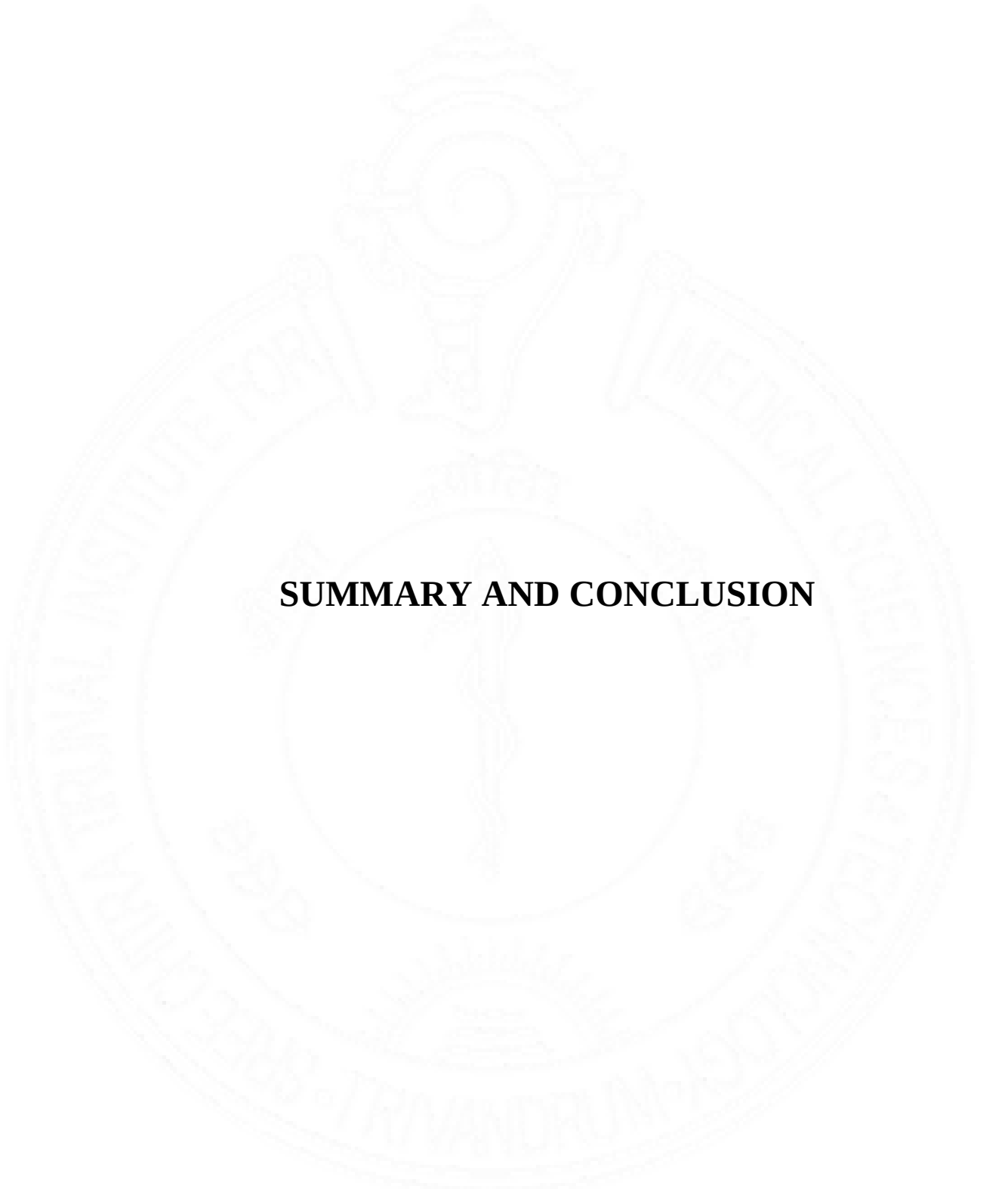
Schwannoma
Spine cases
Epilepsy surgeries
Oligodendroglioma
Aneurysm
Trigeminal Neuralgia
Bone Flap Replacement

ICU HOURS PROSPECTIVE

Meningioma
Glioma

Blood transfusion and mortality

The transfused group of patients had higher rate of mortality compared to non – transfused group in both retrospective and prospective group. This finding was similar to Hajjar et al. (43) where transfused red blood cell units was an independent risk factor for clinical complications or death at 30 days in their study among Cardiac Surgery patients. Roque et al. (45) also identified that perioperative transfusion is an independent predictor of postoperative mortality in surgical octogenarian patients. Sanaiha et al. (48) also found that perioperative transfusions were associated with increased 30-day mortality in elective adult Cardiac Surgery patients. Cohen et al. (75) in their study found that RBC transfusion was associated with increased 30-day mortality.



SUMMARY AND CONCLUSION

This is a retrospective and prospective observational study to analyze the transfusion support in Neurosurgery. The MSBOS varies from institute to institute and department to department based on various parameters. So, in order to develop our own MSBOS to department of Neurosurgery, retrospective data of 4 years was compiled to formulate MSBOS and adopt type and screen strategy for surgical interventions which had low transfusion probability. It was successfully implemented with number of discussions and interactions with departments of Neurosurgery and Neuroanesthesia. The success of implementation of this strategy can be understood by

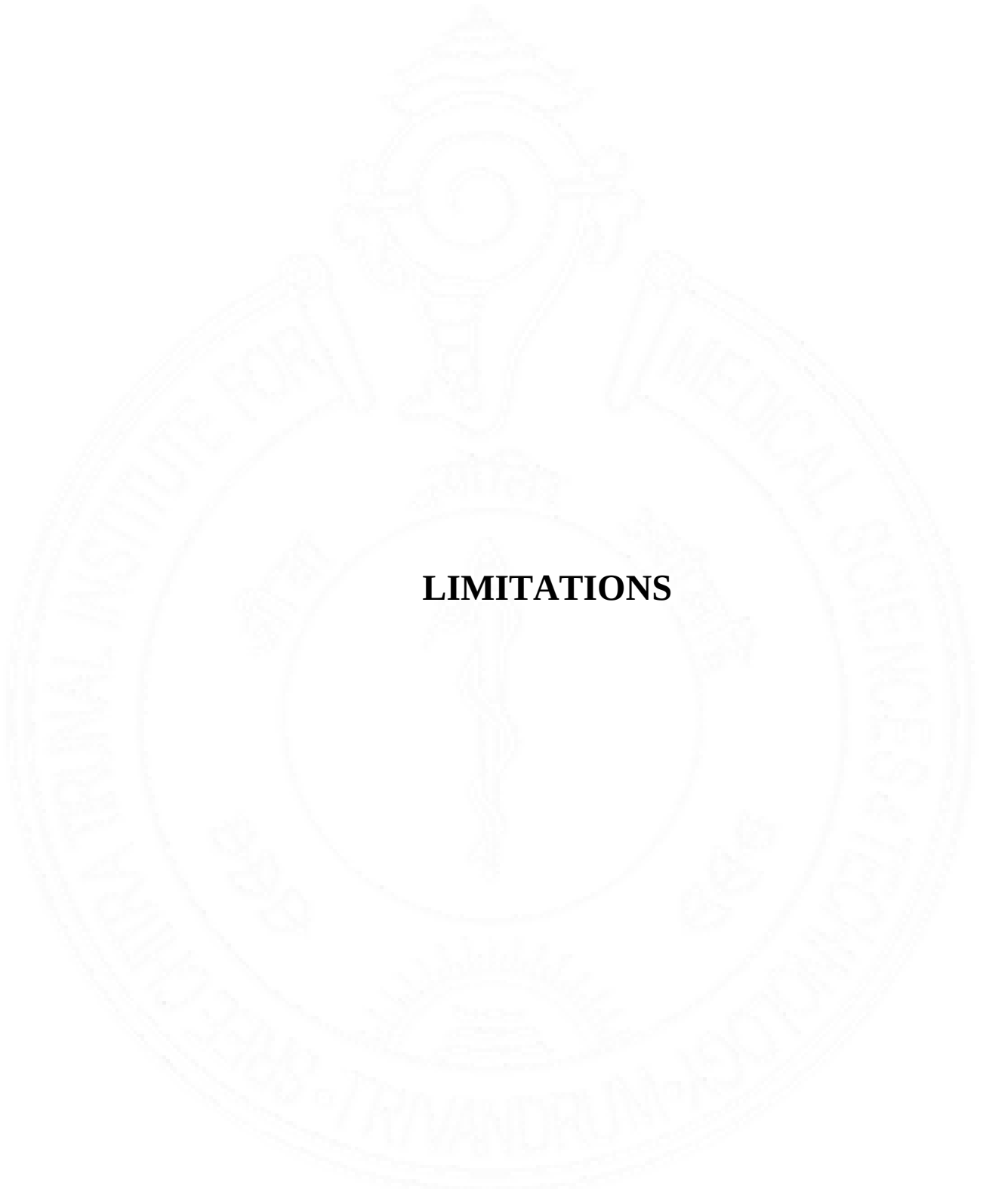
1. Overall reduction of CT ratio from 3.6 to 2.4
2. Overall increase of blood utilization from 27.40% to 41.55%.
3. The patients for whom type and screen was performed increased from 18% in retrospective period to 75% in prospective period
4. A total of 7 procedures were successfully managed with T & S alone.
5. The mean IP days (19.2 vs 12.5), ICU hours (191.6 vs 65.5) and mortality (7.4% vs 0) were higher in 'RBC + Components' group than 'RBC only' group and it was statistically significant ($P = 0.004, 0.005, 0.003$ respectively)
6. The 90-day mortality was higher among transfused group (3.1%) than non-transfused (0.9%) and statistically significant ($P = 0.030$)

The blood utilisation was reassessed at the end of prospective study period to revise the protocol. The importance of this can be highlighted where we reallocated two procedures of MSBOS 2 to MSBOS 1 and two procedures of MSBOS 1 to type and screen. The duration after which MSBOS can be revised shouldn't be generalized like 6 months, 1 year or 2 years because different clinical conditions have varied incidence during a particular period. While some common cases like Meningioma and Schwannoma number will be high in 1 year compared to others like ependymoma or Hemangioma. Hence, the period for revision of MSBOS should be different for each procedure based on the caseload. Like 1 year for common cases, whereas 3 or 5 years for uncommon cases. Also, the technological advancements in blood conservation strategies and surgery techniques should be taken into account.

Blood transfusion is associated with significant morbidity and mortality as our results say that transfused group of patients have increased IP days and ICU hours compared to non-transfused group. This signifies the importance of patient blood management activities to advocate strategies to decrease the development of bleeding complications and post operative anemia thus reducing the need to transfuse intraoperatively or postoperatively.

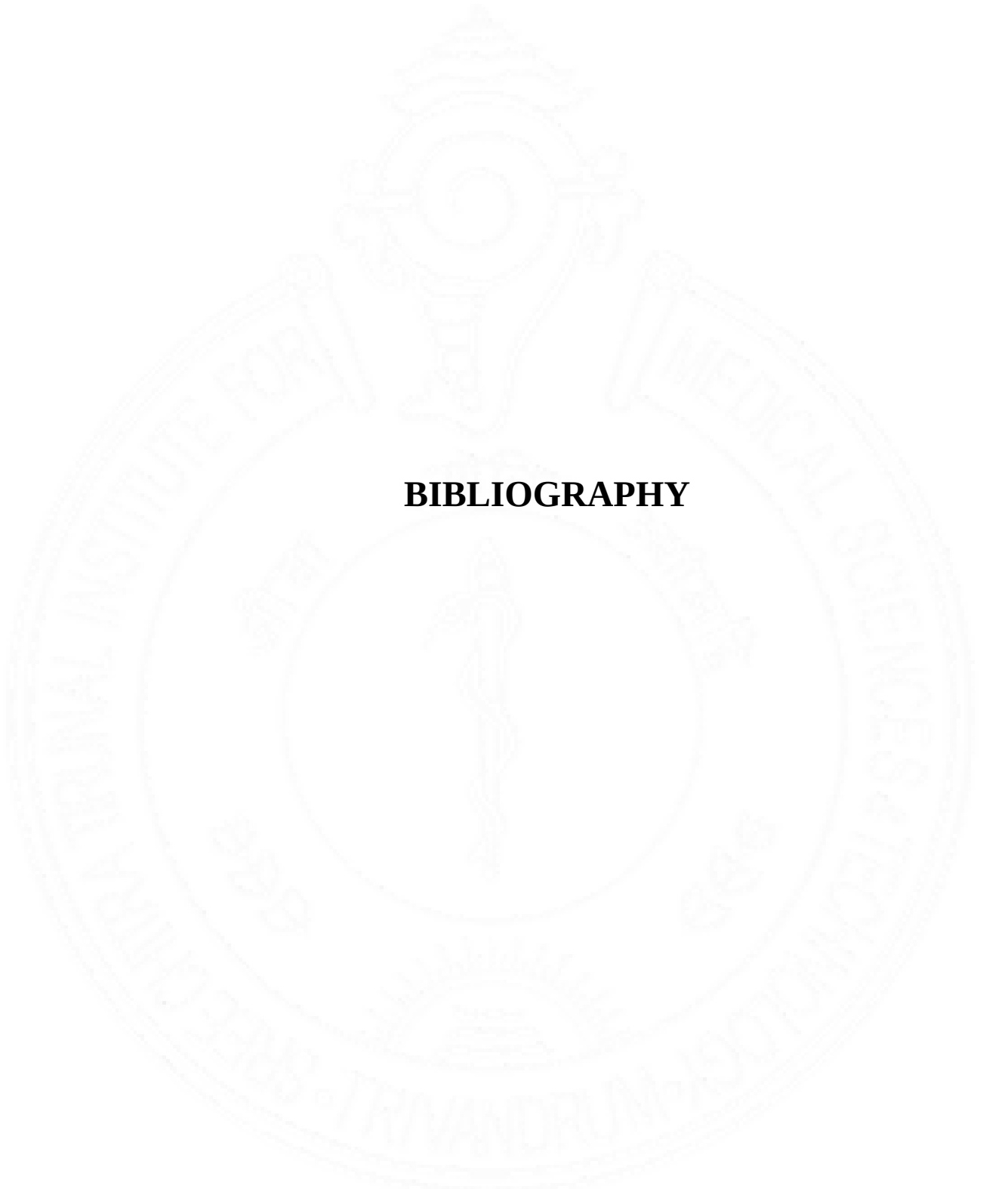
Our recommendations are

1. Type and screen can be successfully adopted for procedures where transfusion probability is low
2. MSBOS is an important protocol to avoid unnecessary crossmatches and significant blood wastage
3. MSBOS should be Institute specific based on assessed transfusion utilisation practises
4. Revision of MSBOS and follow-up of its adherence is important part of the protocol for its effective utilisation.
5. Restrictive transfusion strategy should be adopted since transfusion increases morbidity and mortality.



LIMITATIONS

- 1) Emergency procedures were not included
- 2) Paediatrics patients below 18 years were not included
- 3) Specialities other than Neurosurgery were not included.
- 4) Other non-transfusion confounding factors contributing to morbidity and mortality were not evaluated



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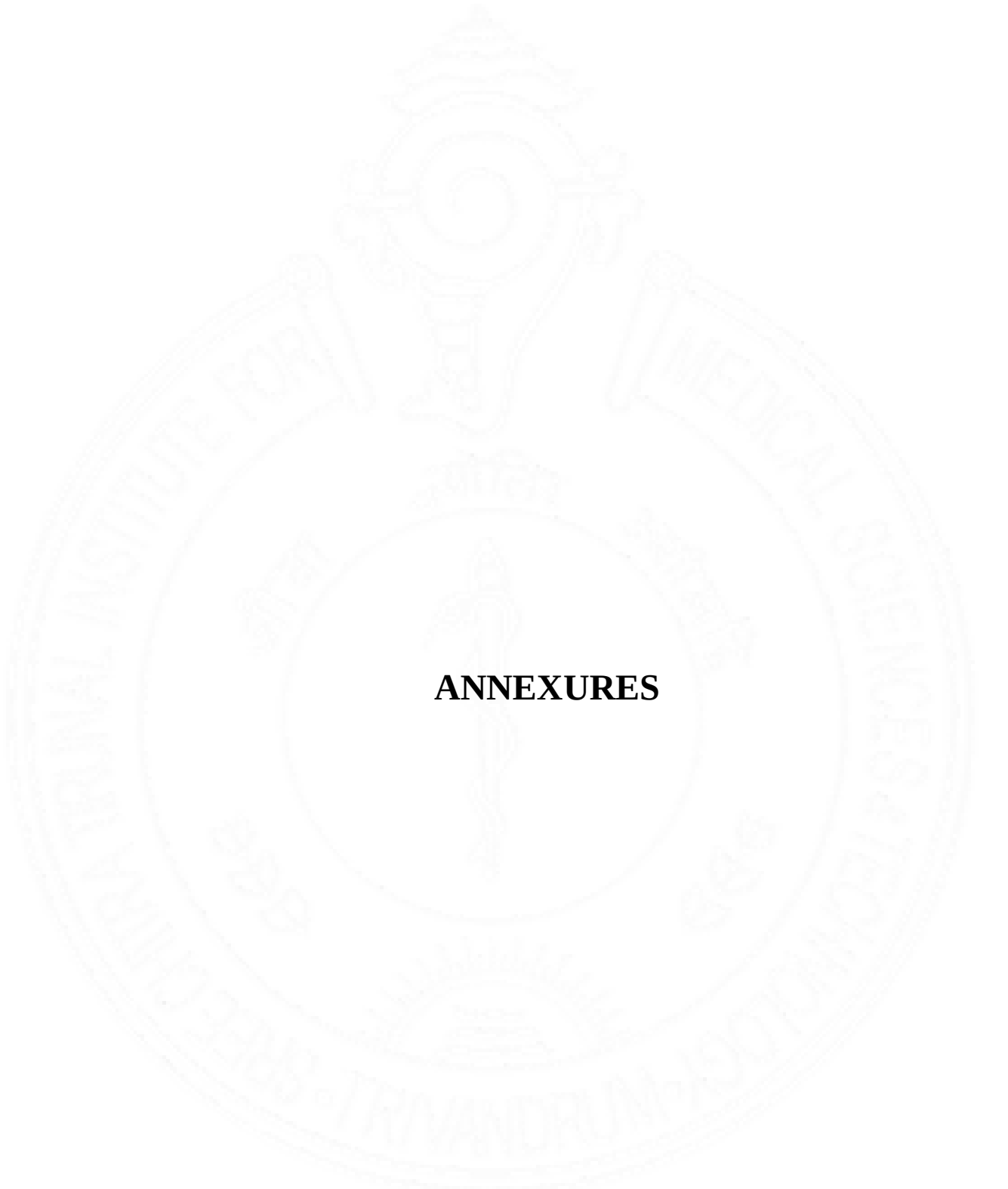
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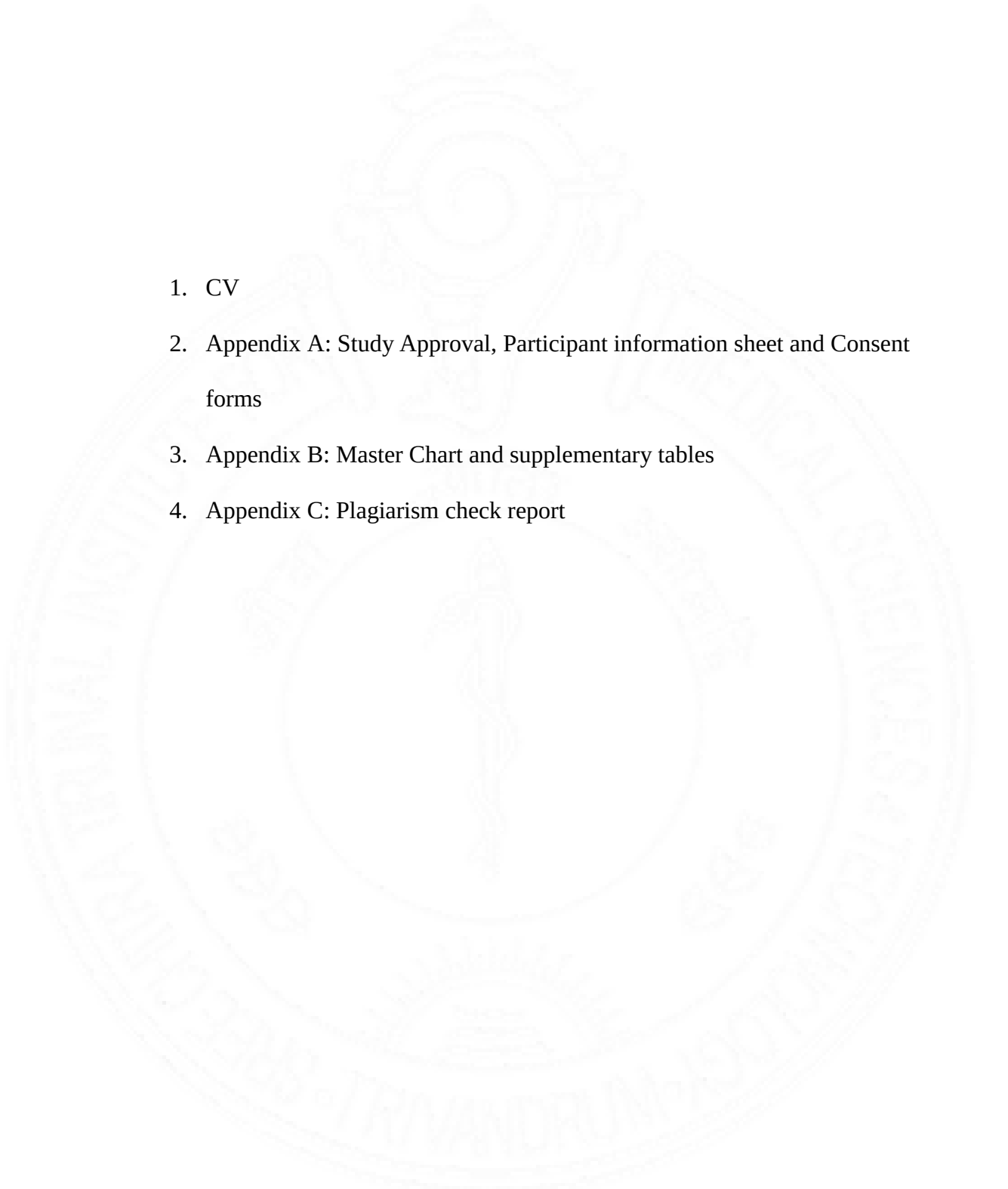
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ANNEXURES

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1. CV
 2. Appendix A: Study Approval, Participant information sheet and Consent forms
 3. Appendix B: Master Chart and supplementary tables
 4. Appendix C: Plagiarism check report

PERSONAL INFORMATION

ADDRESS:

Shivagiri Nilaya, Sindagi road,
Yedrami
TQ" Yedrami D" Kalaburagi,
Karnataka
Ph: 9945839901
Email:
shivanandkumatagi4145@gmail.com

SKILLS:

Voluntary Blood Donation
Plateletpheresis
Therapeutic Plasma Exchange
Hemovigilance

AREAS OF INTEREST:

Apheresis Medicine
Patient Blood Management
Quality Management
Voluntary Blood Donation
Immunohematology

LANGUAGES:

English
Hindi
Kannada
Malayalam

ACADEMIC QUALIFICATIONS:

- **MD Transfusion Medicine** (Pursuing)

Dept. of Transfusion Medicine,
Sree Chitra Tirunal Institute for
Medical Sciences & Technology,
Trivandrum, Kerala (An Institute of
National Importance)

- **MBBS** 2014- 2020

Karnataka Institute of Medical Sciences, Hubli, Karnataka

RESEARCH WORKS

MD Thesis Work: A Study to Analyze Perioperative Blood Utilization Practices in Neurosurgery Department of a Tertiary care Hospital (IEC-SCT/IEC/1392)

Principal Investigator: A Follow up study of Blood Donors with Donation Related Seizures – 3-year Experience

ACHIEVEMENTS

Part of two – member team which won 1st prize in Post graduate Quiz Competition in CME “Multidimensional Approaches in Transfusion Medicine: organized by Medical College, Trivandrum (January 2023)

Won 1st prize for free paper presentation titled “Is type and crossmatch required for Endoscopic Excision of Pituitary Adenoma?” in CME “Multidimensional Approaches in Transfusion Medicine: organized by Medical College, Trivandrum (January 2023)

CONFERENCES

1. Attended virtually TRANSCON 2020 organized by ISBTI (February 2021).
2. Attended virtually “National Conference on Hemovigilance” organized by National Institute of Biologicals, Noida (December 2021).
3. Attended virtually “9th TRANSMEDCON 2021” (December 2021)
4. Attended virtually “16th Annual AATM Congress and 3rd Joint AABB & AATM Congress” (December 2021)
5. Attended “TRANSMEDON 2022” at Indore organized by M Y Hospital, Indore and ISTM (September 2022).
6. Attended 29th ISBTI Kerala Chapter Conference organized by Regional Cancer Centre, Trivandrum (December 2022)

CONFERENCE PRESENTATIONS

1. Presented an e-poster titled “To determine the incidence of donor reactions and determine common reactions among blood donors in tertiary hospital blood center.” in TRANSCON 2020 organized by ISBTI (February 2021).
2. Presented an e-poster in International Symposium on Blood Safety organized by Transfusion Medicine, PGIMER, Chandigarh with ISBT (October 2021).
3. Presented an e-poster in 9th TRANSMEDCON organized by ISTM (December 2021).
4. Presented case report titled “Evaluation of an acute transfusion reaction - a case report” in Transfusion Medicine Academic Society Clinical Club, Kerala (May 2023)
5. Presented a free paper titled "Is type and crossmatch necessary in endoscopic excision of pituitary adenoma?" in CME organized by Transfusion Medicine, Medical College Hospital, Trivandrum, Kerala (January 2023)
6. Presented a free paper titled "Therapeutic plasma exchange in a covid vaccine prolonged bone marrow suppression" virtually in CME "Therapeutic Apheresis and Cellular Therapy" by Transfusion Medicine, PGIMER, Chandigarh (October 2022).
7. Presented a free paper titled "Seizure recurrence among blood donors who had vasovagal reaction" in TRANSMEDON 2022 at Indore organized by M Y Hospital, Indore and ISTM (September 2022).

TRAINING

1. Attended virtually CME On “Hemovigilance Programme of India” (April 2021)
2. Attended “Online Workshop on Preparation of Special Blood Components” organised by PGIMER, Chandigarh (October 2021).
3. Attended “International Symposium on Blood Safety” organised by PGIMER, Chandigarh (October 2021).
4. Attended workshop "AABB Quality Certificate and Fundamental Standards of Blood Collection and Transfusion" in 16th Annual AATM Congress and 3rd Joint AABB & AATM Congress” (December 2021)
5. Successfully completed “Certificate course in Patient Blood Management, 2nd edition” organized by Werfen Academy (December 2021)
6. Attended Virtual CME “Therapeutic Apheresis: Current Practices and Advancements” organized by ISBT and NIMHANS (July 2022).
7. Attended “Immunohematology Workshop” at National Institute of Immunohematology, Mumbai from 16-31st August 2022.
8. Attended a workshop “Transfusion Medicine Workshop (TTI assays, Quality control and Immunohematology" at Mangalore organized by KMC, Manipal, Mangalore (July 2022).
9. Attended a workshop “Renewed Interest in Therapeutic Apheresis” in TRANSMEDON 2022 at Indore organized by M Y Hospital, Indore and ISTM (September 2022).
10. Attended Virtual CME “Therapeutic Apheresis and Cellular Therapy” organized by PGIMER, Chandigarh (October 2022).
11. Attended a workshop “Upcoming Transfusion Medicine Technologies in Kerala” at MVR Cancer Centre and Research Institute, Calicut (November 2022).
12. Attended a CME “Multidimensional Approaches in Transfusion Medicine” organized by Transfusion Medicine, Medical College, Trivandrum, Kerala (January 2023).
13. Attended a workshop on coagulation "CASCADE" virtually organized by Jubilee Mission Hospital, Thrissur (January 2023).

KEY RESPONSIBILITIES HANDLED

- Key role in organizing National Voluntary Blood donation Day celebrations at the institute for the year 2021 - 2023.
- Key role in organizing World Blood Donor Day celebrations at the institute for the year 2021 - 2023
- Key role in organizing Immunohematology Workshop at SCTIMST, Trivandrum in February 2023.

LICENSE

- Rajiv Gandhi University for Health Sciences, Bengaluru (MBBS Registration number: 306773)
- Travancore Cochin Medical council (Registration number: 79083)
- Lifetime Member of Indian Society of Transfusion Medicine

EXTRACURRICULAR ACHIEVEMENTS

- Part of gold medal winning hockey teams in school and college
- Part of silver medal winning football teams in college
- Sports secretary, Student Association, KIMS, Hubli (2018-19)
- Secured first prizes in entertainment activities in college
- Secured 2nd place in 400m and 800m athletic event at SCTIMST, Trivandrum (2022)
- Participated in intra-institute football competitions at SCTIMST, Trivandrum (2022)

HOBBIES and INTERESTS

Sports – Hockey, Football, Table Tennis
Singing
Travel

REFERENCES

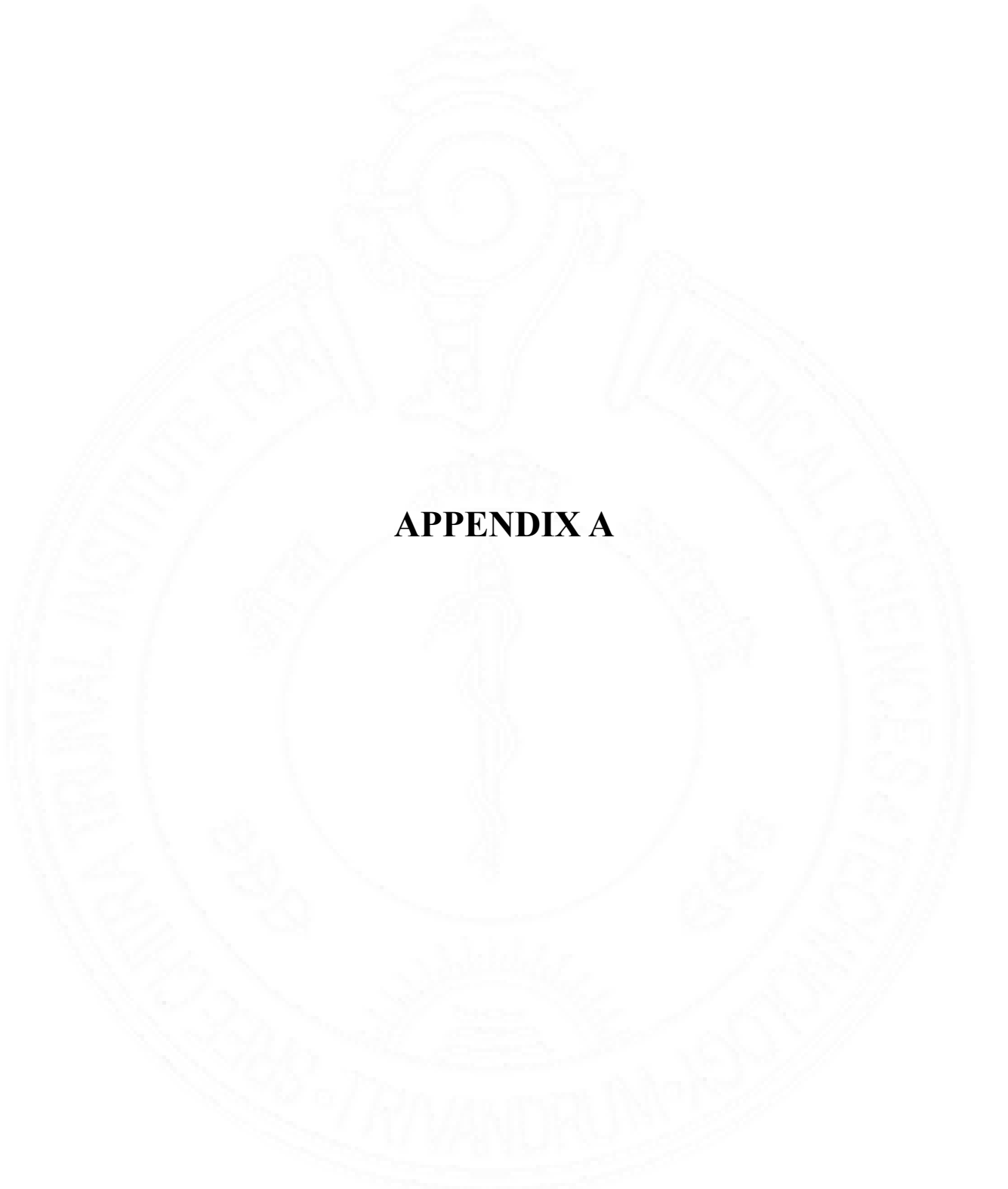
- Dr. Debasish Gupta, Professor & Head, Dept. Transfusion Medicine, SCTIMST, Trivandrum; Ph:9020120101; email: debasishgupta@gmail.com
- Dr. Mohandoss Murugesan, Associate Professor, Dept. of Transfusion Medicine, Malabar Cancer Centre, Kannur, Kerala; Ph:9894123567; email: mohandossmurugesan@gmail.com



Dr. Shivanand

Date:18-07-2023

Place: Trivandrum



APPENDIX A



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेन्द्रम
तिरुवनन्तपुरम - ६९५०११, केरल, इंडिया

SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY, TRIVANDRUM
Thiruvananthapuram - 695 011, Kerala, India
(An Institute of National Importance under Govt. of India)

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Institutional Ethics Committee

(IEC Regn No. ECR/189/Inst/KL/2013/RR-21)

SCT/IEC/1789/DECEMBER/ 2021

30.12.2021

Dr. Shivanand

Junior Resident

Department of Transfusion Medicine

SCTIMST, Thiruvananthapuram

Dear Dr. Shivanand,

The Institutional Ethics Committee held on 18th December, 2021, reviewed and discussed your application to conduct the study titled "A STUDY TO ANALYZE PERIOPERATIVE BLOOD UTILIZATION PRACTICES IN NEUROSURGERY DEPARTMENT OF A TERTIARY CARE HOSPITAL" (IEC/1789).

The following members of the Ethics Committee were present at the meeting held on 18th December, 2021 at Residences and Offices of IEC Members via Video Conference

SL. No.	Member Name	Highest Degree	Gender	Scientific /Non Scientific	Affiliation with Institution(s)
1.	Prof. C.C. Kartha	MBBS,MD	Male	Basic Medical Scientist (Chairman)	No
2.	Dr. Kala Kesavan P	MBBS,MD	Female	Basic Medical Scientist	No
3.	Smt. Sathi Nair	MA (English Literature)	Female	Lay Person	No
4.	Dr. Pradeep S	MBBS, MD	Male	Basic Medical Scientist	No
5.	Dr. Rejnish Kumar	MBBS,MD ,DNB	Male	Clinician	No
6.	Adv. Priya Kaimal	LLM, MBL	Female	Legal Expert	No
7.	Dr. Narayanan Namboodiri. K K	MBBS,MD,DM	Male	Clinician	Yes
8.	Dr. Manikandan.S	MBBS,MD,PDCC	Male	Clinician	Yes
9.	Dr. Biju Soman	MBBS,MD, DPH, MSc, DLSHTM	Male	Basic Medical Scientist	Yes
10.	Dr. Srinivas G	PhD	Male	Basic Medical Scientist (Member Secretary)	Yes

The following documents were reviewed:

1. Checklist Form
2. Covering letter addressed to the Chairman, IEC, SCTIMST dated 24.11.2021
3. IEC Application form
4. Project Proposal
5. Abbreviations
6. CV of PI and Co-PIs
7. Declaration form
8. Patient Information Sheet in English and Malayalam
9. Consent Form in English and Malayalam
10. SRC Approval Letter

IEC Decision

The IEC approved the conduct of the study in the present form.

Remarks:

The Institutional Ethics Committee expects to be informed about the progress of the study, any SAE occurring in the course of the study, any changes in the protocol and patient information/informed consent and asks to be provided a copy of the final report.

There was no member of the study team who participated in voting / decision making process. The ethics committee is organized and operated according to the requirements of Good Clinical Practice and the requirements of the Indian Council of Medical Research (ICMR).

Sincerely,



G. Srinivas
Member Secretary, IEC



MEMBER SECRETARY
INSTITUTIONAL ETHICS COMMITTEE (IEC)
SCTIMST, THIRUVANANTHAPURAM

**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY,
TRIVANDRUM**

CONSENT FORM FOR TRANSFUSION OF BLOOD AND BLOOD PRODUCTS

NAME: _____ AGE: _____ GENDER : _____

Hospital No: _____ Date: _____ Time: _____

Name of the treating Doctor: _____

I hereby give consent to the transfusion of blood / PRC / Platelet / plasma / granulocyte / special products like Cryoprecipitate/ glue/ CPP.

I understand that transfusion of blood and blood products is necessary for my disease/surgery/procedure planned.

I understand that the blood products transfused to me are negative for transmissible infections like HIV, Hepatitis B and C, syphilis and malaria though may not be absolutely free of these infections and of other infections which can be transmitted by blood for which it is not routinely tested.

I have also been explained of the untoward complications that may occur during and follow transfusion. I was able to ask questions and raise concerns with the doctor about the proposed procedure and its risks and my treatment options. My questions and concerns have been discussed and answered to my satisfaction.

I understand the need for blood donation and switching of Blood groups with compatibility in case of emergency and nonavailability of specific groups.

All the above points have been explained to me in the language that I can understand.

Signature of the patient

(If the patient cannot sign or is a minor)

Signature of the spouse/parents/Guardian:

Relationship with the patient:

Witness:

Signature:

Name:

Address:

**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND
TECHNOLOGY TRIVANDRUM- 695011
PARTICIPANT INFORMATION FORM**

TITLE OF THE STUDY:

**A STUDY TO ANALYZE PERIOPERATIVE BLOOD UTILIZATION PRACTICES IN NEUROSURGERY
DEPARTMENT OF A TERTIARY CARE HOSPITAL**

Number of study participants: **4000**

You are being requested to participate in a study that analyse the transfusion requirements in neurosurgery during perioperative period. We hope to include about **4000** people from this hospital in this study.

If you take part, what will you have to do?

If you agree to participate in this study, your case file will be accessed to note the details of name, age, gender, blood group, medical history and transfusion history and blood investigation reports.

Can you withdraw from this study after it starts?

Your participation in this study is entirely voluntary and you are also free to decide to withdraw permission to participate in this study. If you do so, this will not affect your usual treatment at this hospital in any way.

Will you have to pay for the study?

This is a pure observational study. You do not have to pay any charges to participate. However, the routine tests and procedures as part of your treatment will be charged as per standard rates.

What happens after the study is over?

Once the study is over, we will analyse the blood requirements as a whole for common neurosurgical procedures.

Will your personal details be kept confidential?

The results of this study will be published in a medical journal but you will not be identified by name in any publication or presentation of results. However, your medical notes may be reviewed by people associated with the study, without your additional permission, should you decide to participate in this study.

If you have any further questions, please ask Dr. Shivanand, (tel: 0471 2524636) email: shivanand@sctimst.ac.in

Name of the PI:/Address and Contact Details. Dr Shivanand, Junior resident, Department of Transfusion Medicine, Sree Chitra Tirunal Institute for medical Sciences and technology, Trivandrum 695011. Ph- **9945839901**

Signature of the PI:

For any clarifications regarding the study's ethics clearance, you may contact Dr. Srinivas G Member Secretary, Institutional Ethics Committee, Sree Chitra Tirunal Institute for Medical Sciences and Technology Tel: 0471- 2524689, Email: iec.mem.sec@sctimst.ac.in

CONSENT FORM

Participant's name:

Age (in years):

I _____,
son/daughter of _____

Declare that I have read the above information provided to me regarding the study: **A STUDY TO ANALYZE PERIOPERATIVE BLOOD UTILIZATION PRACTICES IN NEUROSURGERY DEPARTMENT OF A TERTIARY CARE HOSPITAL** and have clarified any doubts that I had.

- I also understand that my participation in this study is entirely voluntary and that I am free to withdraw permission to continue to participate at any time without affecting my usual treatment or my legal rights
- I have been explained that neither my treatment will be affected nor I will have to pay any penalty in case I withdraw from the study at any moment during the study period
- I understand that the study staff and institutional ethics committee members will not need my permission to look at my health records even if I withdraw from the trial. I agree to this access
- I understand that my identity will not be revealed in any information released to third parties or published
- I voluntarily agree to take part in this study
- I received a copy of this signed consent form

Name:

Signature:

Date:

Name of witness:

Relation to participant:

Date:

Signature:

(Person Obtaining Consent) I attest that the requirements for informed consent for the medical research project described in this form have been satisfied. I have discussed the research project with the participant and explained to him or her in nontechnical terms all of the information contained in this informed consent form, including any risks and adverse reactions that may reasonably be expected to occur. I further certify that I encouraged the participant to ask questions and that all questions asked were answered.

Name and Signature of Person Obtaining Consent

(For Principal Investigator)

Witness:

ശ്രീ ചിത്ര തിരുനാൾ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഫോർ മെഡിക്കൽ സയൻസസ്
ആൻ്റ് ടെക്നോളജി, തിരുവനന്തപുരം

രക്തത്തിന്റെയും രക്തോത്പന്നങ്ങളുടെയും പകർച്ചക്കുള്ള സമ്മതപത്രം

പേര്.....വയസ്സ്.....ലിംഗം:.....

ആശുപത്രി നമ്പർ.....തീയതി.....സമയം.....

ചികിത്സിക്കുന്ന ഡോക്ടറുടെ പേര്.....

രക്തം/പിആർസി/പ്ലേറ്റ്ലറ്റ്/പ്ലാസ്മ/ഗ്രാനുലോസൈറ്റ്/ക്രിയോപ്രസിപ്പിറ്റന്റ് പോലുള്ള പ്രത്യേക ഉത്പന്നങ്ങൾ എന്നിവ പകരുന്നതിന് ഞാൻ ഇതിനാൽ സമ്മതം നൽകുന്നു.

എന്റെ രോഗം/ശസ്ത്രക്രിയ/ആസൂത്രണം ചെയ്യപ്പെട്ട നടപടികൾ എന്നിവയ്ക്ക് രക്തപ്പകർച്ച ആവശ്യമാണെന്ന് ഞാൻ മനസ്സിലാക്കുന്നു.

എച്ഐവി, ഹെപ്പറ്റൈറ്റിസ് ബി,യും സിയും, സിഫിലിസ് മലേറിയ എന്നീ പകരുന്ന അണുബാധകളിൽ നെഗറ്റീവാണ് എനിക്ക് നൽകുന്ന രക്ത ഉത്പന്നങ്ങൾ എങ്കിലും ഈ അണുബാധകളിൽനിന്നും, പതിവായി പരിശോധിക്കപ്പെടാത്ത അണുബാധകളിൽനിന്നും സമ്പൂർണ്ണമായും മുക്തമല്ലാത്തതുകൊണ്ട് എന്നതിനാൽ പകർന്നേക്കാമെന്നും ഞാൻ മനസ്സിലാക്കുന്നു. രക്തപ്പകർച്ചയെ തുടർന്ന് അപ്രതീക്ഷിതമായ സങ്കീർണ്ണതകൾ ഉണ്ടായേക്കാമെന്നും എനിക്ക് വിശദീകരിച്ചുതന്നു. നിർദ്ദേശിക്കപ്പെട്ട നടപടിയെപ്പറ്റിയും അതിന്റെ അപായങ്ങളെപ്പറ്റിയും മറ്റ് ചികിത്സാ മാർഗ്ഗങ്ങളെപ്പറ്റിയും ഡോക്ടറോട് എന്റെ ഉത്കണ്ഠകൾ പ്രകടിപ്പിക്കാനും ചോദ്യങ്ങൾ ചോദിക്കാനും കഴിഞ്ഞു. എനിക്ക് തൃപ്തികരമായി എന്റെ ചോദ്യങ്ങൾക്കും ഉത്കണ്ഠകൾക്കും ഉത്തരം ലഭിച്ചു.

രക്തപ്പകർച്ചയുടെ ആവശ്യകതയെപ്പറ്റിയും അടിയന്തിരഘട്ടത്തിൽ പകരം നൽകുന്ന യോജിക്കുന്ന രക്തഗ്രൂപ്പുകളെപ്പറ്റിയും പ്രത്യേക ഗ്രൂപ്പുകളുടെ ലഭ്യതയില്ലായ്മയെപ്പറ്റിയും ഞാൻ മനസ്സിലാക്കുന്നു. മുകളിലുള്ള എല്ലാ വിഷയങ്ങളും എനിക്ക് മനസ്സിലാകുന്ന ഭാഷയിൽ വിശദീകരിച്ചു തന്നു.

രോഗിയുടെ ഒപ്പ്

(രോഗിക്ക് ഒപ്പിടാൻ കഴിയില്ലെങ്കിലോ കൂട്ടികളാണെങ്കിലോ)

ജീവിതപങ്കാളിയുടെ/മാതാപിതാക്കളുടെ/രക്ഷകർത്താവിന്റെ ഒപ്പ്

രോഗിയുമായുള്ള ബന്ധം

സാക്ഷി

ഒപ്പ്

പേര്

മേൽവിലാസം

സമ്മതപത്രം

പങ്കെടുക്കുന്നയാളുടെ പേര്:

വയസ്സ്(വർഷത്തിൽ)

ഞാൻ.....മകൻ/മകൾ.....

പ്രഖ്യാപിക്കുന്നതെന്തെന്നാൽ (കോളങ്ങൾ അടയാളപ്പെടുത്തുക)

ഒരു ത്രിതല പരിചരണ ആശുപത്രിയിലെ ന്യൂറോശസ്ത്രക്രിയാ വിഭാഗത്തിൽ ശസ്ത്രക്രിയാസമയത്തെ രക്തത്തിന്റെ ഉപയോഗരീതി അപഗ്രഥിക്കുന്ന ഒരു പഠനം എന്ന പഠനത്തിൽ, പങ്കെടുക്കുന്നവർക്കുള്ള കാര്യവിവരണപത്രത്തിൽ വിശദീകരിക്കുന്നവ ഞാൻ വായിച്ചു. എനിക്കുണ്ടായ സംശയങ്ങൾ പരിഹരിച്ചു []

എന്റെ പങ്കാളിത്തം സ്വമേധയായാണെന്നും, കാരണമൊന്നും നൽകാതെയും എന്റെ നിയമപരമായ അവകാശങ്ങളെയും വൈദ്യപരിചരണത്തെയും ബാധിക്കാതെയും ഏതു സമയത്തും എനിക്ക് പിൻമാറാൻ സ്വാതന്ത്ര്യമുണ്ടെന്നും മനസ്സിലാക്കുന്നു. []

പഠനകാലത്ത് എപ്പോഴെങ്കിലും ഞാൻ പിൻമാറിയാൽ എന്റെ ചികിത്സയെ ബാധിക്കില്ലെന്നും ഞാൻ പിഴയൊന്നും നൽകേണ്ടതില്ലെന്നും എന്നോട് വിശദീകരിച്ചു []

ഞാൻ പഠനത്തിൽ നിന്നും പിൻമാറിയാലും പഠന സംഘാംഗങ്ങൾക്കും ഇൻസ്റ്റിറ്റ്യൂഷണൽ എത്തിക്സ് കമ്മിറ്റി അംഗങ്ങൾക്കും എന്റെ ആരോഗ്യരേഖകൾ പരിശോധിക്കാൻ എന്റെ സമ്മതം ആവശ്യമില്ലെന്ന് ഞാൻ മനസ്സിലാക്കുന്നു. അതിന് ഞാൻ സമ്മതം നൽകുന്നു. []

പഠനഫലമായി ശേഖരിച്ച വിവരങ്ങൾ പ്രസിദ്ധീകരിക്കുമ്പോഴോ മൂന്നാം കക്ഷികൾക്ക് നൽകുമ്പോഴോ എന്നെ തിരിച്ചറിയാനിടയാകുന്നതൊന്നും വെളിപ്പെടുത്തുകയില്ലെന്ന് ഞാൻ മനസ്സിലാക്കുന്നു. []

സ്വമേധയാ പഠനത്തിൽ പങ്കെടുക്കാൻ ഞാൻ സമ്മതിക്കുന്നു. []

ഒപ്പിട്ട സമ്മതപത്രവും കിട്ടിയതായി ഞാൻ അറിയിക്കുന്നു. []

പേര്

ഒപ്പ്

തീയതി

സാക്ഷിയുടെ പേര്

പങ്കെടുക്കുന്നയാളുമായുള്ള ബന്ധം

ഒപ്പ്

(സമ്മതം വാങ്ങുന്നയാൾ)

മെഡിക്കൽ റിസർച്ച് പ്രോജക്ടിനാവശ്യമായ സമ്മതപത്രത്തിനു വേണ്ടുന്ന എല്ലാ ഘടകങ്ങളും തൃപ്തികരമായി നിർവഹിച്ചിരിക്കുന്നുവെന്ന് ഞാൻ ബോധ്യപ്പെടുന്നു. പഠനപങ്കാളിയുമായി

ഗവേഷണപദ്ധതിയെപ്പറ്റി സാങ്കേതികേതര പദങ്ങളുപയോഗിച്ച് എല്ലാ വിവരങ്ങളെപ്പറ്റിയും ചർച്ച നടത്തുകയും പ്രതീക്ഷിക്കാവുന്ന അപകടസാധ്യതകളും പാർശ്വഫലങ്ങളും വിശദീകരിക്കുകയും ചെയ്തു. പങ്കാളിയെ ചോദ്യങ്ങൾ ചോദിക്കാൻ പ്രേരിപ്പിക്കുകയും എല്ലാ ചോദ്യങ്ങൾക്കും ഉത്തരം നൽകുകയും ചെയ്തു എന്നും ഞാൻ സാക്ഷ്യപ്പെടുത്തുന്നു.

സമ്മതം വാങ്ങുന്നയാളുടെ പേരു ഒപ്പും.....

സാക്ഷി



ശ്രീ ചിത്ര തിരുനാൾ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഫോർ മെഡിക്കൽ സയൻസസ്

ആന്റ് ടെക്നോളജി, തിരുവനന്തപുരം

പങ്കെടുക്കുന്നവർക്കുള്ള കാര്യവിവരണപത്രം

പഠനശീർഷകം

ഒരു ത്രിതല പരിചരണ ആശുപത്രിയിലെ ന്യൂറോശസ്ത്രക്രിയാ വിഭാഗത്തിൽ ശസ്ത്രക്രിയാസമയത്തെ രക്തത്തിന്റെ ഉപയോഗരീതി അപഗ്രഥിക്കുന്ന ഒരു പഠനം

പങ്കെടുക്കുന്നവരുടെ എണ്ണം : 4000

ഒരു ത്രിതല പരിചരണ ആശുപത്രിയിലെ ന്യൂറോശസ്ത്രക്രിയാ വിഭാഗത്തിൽ ശസ്ത്രക്രിയാസമയത്തെ രക്തത്തിന്റെ ഉപയോഗരീതി അപഗ്രഥിക്കുന്ന പഠനത്താൽ പങ്കെടുക്കുവാൻ താങ്കളോട് അഭ്യർത്ഥിക്കുന്നു. പഠനത്തിൽ ഈ ആശുപത്രിയിൽ നിന്നും 4000 പേരെ പങ്കെടുപ്പിക്കാമെന്ന് ഞങ്ങൾ പ്രതീക്ഷിക്കുന്നു.

താങ്കൾ പങ്കെടുക്കുകയാണെങ്കിൽ എന്ത് ചെയ്യണം?

താങ്കൾ പഠനത്തിൽ പങ്കെടുക്കാൻ സമ്മതിക്കുകയാണെങ്കിൽ, താങ്കളുടെ പേര്, വയസ്സ്, ലിംഗം, രക്തഗ്രൂപ്പ്, ചികിത്സാ ചരിത്രം, രക്തപ്പകർച്ചാ ചരിത്രം, രക്തപരിശോധനാ റിപ്പോർട്ടുകൾ എന്നിവയിലെ വിവരങ്ങൾ രേഖപ്പെടുത്താനായി താങ്കളുടെ ചികിത്സാരേഖ പരിശോധിക്കും.

പഠനം ആരംഭിച്ചശേഷം താങ്കൾക്ക് പിൻമാറാനാകുമോ?

താങ്കളുടെ പങ്കാളിത്തം പൂർണ്ണമായും സ്വമേധയായാണ്, ഈ പഠനത്തിൽ പങ്കെടുക്കുന്നതിൽ നിന്നും പിൻമാറാനും താങ്കൾക്ക് സ്വാതന്ത്ര്യമുണ്ട്. താങ്കളെങ്ങനെ ചെയ്യുന്നതുകൊണ്ട് ഈ ആശുപത്രിയിലെ താങ്കളുടെ ചികിത്സയെ ഒരു വിധത്തിലും ബാധിക്കില്ല.

താങ്കൾ പഠനത്തിന് പണം മുടക്കണോ?

ഇത് പൂർണ്ണമായും ഒരു നിരീക്ഷണ പഠനമാണ്. പങ്കെടുക്കാൻ താങ്കൾ പണം ഒന്നും നൽകേണ്ടതില്ല. എന്നിരുന്നാലും, താങ്കളുടെ ചികിത്സയുടെ ഭാഗമായ പതിവ് പരിശോധനകൾക്കും നടപടികൾക്കും അംഗീകൃതമായ ചിലവ് നൽകണം.

പഠനമവസാനിച്ചശേഷം എന്തുണ്ടാകും?

പഠനം പൂർത്തിയാകുമ്പോൾ സാധാരണയായുള്ള ന്യൂറോസർജിക്കൽ നടപടികളുടെ രക്തത്തിന്റെ ആവശ്യകത ഞങ്ങൾ വിലയിരുത്തും.

താങ്കളുടെ വ്യക്തിവിശദാംശങ്ങൾ രഹസ്യമായിരിക്കുമോ?

ഒരു വൈദ്യശാസ്ത്ര ജേർമലിൽ പ്രസിദ്ധീകരിക്കും, പക്ഷേ താങ്കളെ പേരുകൊണ്ട് ഒരു ഫലങ്ങളുടെ പ്രസിദ്ധീകരണത്തിലോ പ്രദർശനത്തിലോ തിരിച്ചറിയാനാകില്ല. എന്നിരുന്നാലും, താങ്കൾ പഠനത്തിൽ പങ്കെടുക്കാൻ സമ്മതിക്കുകയാണെങ്കിൽ താങ്കളുടെ ചികിത്സാരേഖകൾ പഠനവുമായി ബന്ധപ്പെട്ടവർ താങ്കളുടെ അധികമായ സമ്മതമില്ലാതെ അവലോകനം ചെയ്തേക്കാം.

താങ്കൾക്ക് കൂടുതൽ ചോദ്യങ്ങളുണ്ടെങ്കിൽ ദയവായി ചോദിക്കുക. ഡോ. ശിവാനന്ദ് ഫോൺ: 0471 2524636 ഇമെയിൽ: shivanand@sctimst.ac.in

പ്രധാനഗവേഷകന്റെപേര്:/ മേൽവിലാസവും ബന്ധപ്പെടാനുള്ള വിവരങ്ങളും: ഡോ. ശിവാനന്ദ്, ജൂനിയർ റസിഡന്റ്, ട്രാൻസ്ഫ്യൂഷൻ മെഡിസിൻ വിഭാഗം, ശ്രീ ചിത്ര തിരുനാൾ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഫോർ മെഡിക്കൽ സയൻസസ് ആന്റ് ടെക്നോളജി, ഫോൺ:9945839901

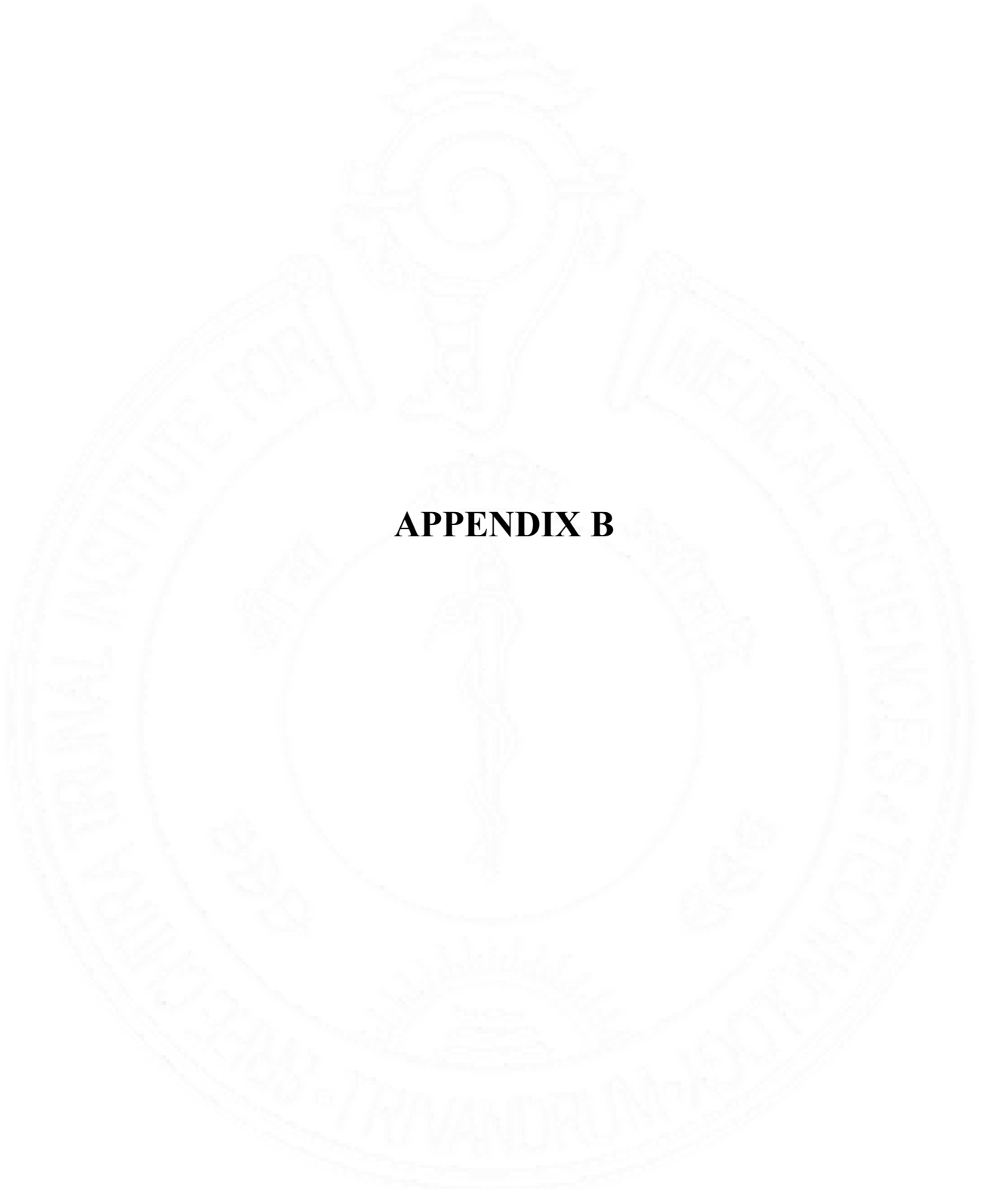
ഗവേഷണത്തെപ്പറ്റി ചോദ്യങ്ങളോ, ഉത്കണ്ഠകളോ, പരാതികളോ ഉണ്ടെങ്കിൽ ദയവായി ബന്ധപ്പെടുക

ഡോ. ശ്രീനിവാസ് ജി,

മെമ്പർ സെക്രട്ടറി, ഇൻസ്റ്റിറ്റ്യൂഷണൽ എത്തിക്സ് കമ്മിറ്റി

ശ്രീ ചിത്ര തിരുനാൾ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഫോർ മെഡിക്കൽ സയൻസസ് ആന്റ് ടെക്നോളജി, ഫോൺ: 0471- 2524689ഇമെയിൽ: iec.mem.sec@sctimst.ac.in





APPENDIX B

DATA OF RETROSPECTIVE STUDY PERIOD

SERIAL NO	MRD NO	HOSPITAL NO	AGE	GENDER	BLOOD GROUP	DATE OF ADMISSION	DATE OF SURGERY	DATE OF DISCHARGE	DIAGNOSIS	PROCEDURE	CROSSMATCHED UNIT	TRANSFUSED UNITS	IP DAYS	ICU HOURS	MORTALITY
1	273245	370784	59	F	A+	1-4-2018 5:09 PM	1-8-2018 12:00 AM	1-12-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	8	74	NO
2	273423	439168	45	M	O+	1-9-2018 3:53 PM	1-11-2018 12:00 AM	1-15-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	6	27	NO
3	273466	442941	48	F	B+	1-10-2018 5:32 PM	1-19-2018 12:00 AM	1-25-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	2	15	65	NO
4	273000	443722	29	F	O+	1-12-2018 5:49 PM	1-22-2018 12:00 AM	1-29-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA FALX	4	2	17	21	NO
5	273617	443332	58	F	A+	1-15-2018 5:08 PM	1-17-2018 12:00 AM	1-23-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	0	8	18	NO
6	273653	426336	58	F	A+	1-15-2018 5:42 PM	1-23-2018 12:00 AM	1-29-2018 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	14	27	NO
7	273654	445060	55	F	B-	1-15-2018 6:35 PM	1-29-2018 12:00 AM	2-6-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	4	2	22	48	NO
8	273685	445148	50	F	O+	1-16-2018 6:03 PM	1-22-2018 12:00 AM	1-29-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	2	13	22	NO
9	273889	436895	54	M	O+	1-22-2018 5:03 PM	1-24-2018 12:00 AM	1-29-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	7	48	NO
10	273890	8805217	69	F	O+	1-22-2018 5:22 PM	1-30-2018 12:00 AM	2-6-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	15	52	NO
11	274112	430112	58	M	O+	1-29-2018 5:43 PM	2-2-2018 12:00 AM	2-8-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	10	74	NO
12	274213	445408	67	F	AB+	2-1-2018 5:27 PM	2-12-2018 12:00 AM	3-21-2018 5:20 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SUPRASELLAR	5	3	48	259	NO
13	274210	443583	59	F	O+	2-1-2018 5:56 PM	2-3-2018 12:00 AM	2-6-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	5	70	NO
14	274477	445733	28	F	A+	2-8-2018 3:23 PM	2-21-2018 12:00 AM	3-5-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA BENIGN	5	3	25	26	NO
15	274611	446083	61	F	A+	2-12-2018 4:43 PM	2-16-2018 12:00 AM	2-22-2018 2:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	0	10	71	NO
16	274653	446511	18	F	B+	2-14-2018 3:04 PM	2-21-2018 12:00 AM	2-26-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	3	12	20	NO
17	274972	368841	58	F	A+	2-22-2018 5:31 PM	3-7-2018 12:00 AM	3-12-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	1	18	48	NO
18	275098	447280	20	F	O+	2-26-2018 4:29 PM	3-1-2018 12:00 AM	3-6-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	7	4	8	91	NO
19	275093	342611	40	F	B+	2-26-2018 6:19 PM	3-5-2018 12:00 AM	3-20-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PETROCLIVAL	6	2	22	215	NO
20	275164	443184	41	F	O+	2-28-2018 2:56 PM	3-5-2018 12:00 AM	3-12-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	2	0	12	51	NO
21	275339	446190	65	F	AB+	3-5-2018 6:32 PM	3-8-2018 12:00 AM	3-12-2018 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	7	23	NO
22	275573	324472	64	F	O+	3-12-2018 5:46 PM	3-15-2018 12:00 AM	3-19-2018 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	1	7	23	NO
23	275578	442659	60	M	A+	3-12-2018 6:01 PM	3-16-2018 12:00 AM	3-22-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	2	10	91	NO
24	275581	9807162	37	M	B+	3-12-2018 6:56 PM	3-20-2018 12:00 AM	3-26-2018 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	14	65	NO
25	275707	447792	51	F	A+	3-15-2018 5:45 PM	3-22-2018 12:00 AM	3-27-2018 3:55 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	3	12	115	NO
26	275982	436328	67	F	B+	3-22-2018 5:14 PM	3-26-2018 12:00 AM	4-2-2018 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	2	0	11	22	NO
27	276311	194211	52	F	B+	4-2-2018 5:07 PM	4-11-2018 12:00 AM	4-16-2018 6:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	4	14	21	NO
28	276565	439858	59	F	A+	4-9-2018 5:19 PM	4-16-2018 12:00 AM	4-23-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	14	30	NO
29	276560	448023	31	M	A+	4-9-2018 5:36 PM	4-11-2018 12:00 AM	4-19-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	0	10	62	NO
30	276808	437611	57	F	O+	4-16-2018 4:36 PM	4-26-2018 12:00 AM	5-5-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	4	19	20	NO
31	276920	443643	43	M	A+	4-19-2018 5:32 PM	4-23-2018 12:00 AM	4-28-2018 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	9	32	NO
32	277307	359456	40	M	A+	4-30-2018 4:45 PM	5-7-2018 12:00 AM	5-14-2018 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	6	3	14	32	NO
33	277309	441456	62	M	O+	4-30-2018 5:36 PM	5-4-2018 12:00 AM	5-10-2018 4:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	2	10	76	NO
34	277532	450110	35	F	A+	5-7-2018 6:04 PM	5-15-2018 12:00 AM	5-24-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	2	17	150	NO
35	277524	450095	60	M	A+	5-7-2018 6:06 PM	5-9-2018 12:00 AM	5-14-2018 6:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	7	20	NO
36	277797	449783	33	M	O+	5-14-2018 5:45 PM	5-17-2018 12:00 AM	5-28-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	1	14	129	NO
37	277811	429398	42	M	B+	5-15-2018 5:18 PM	5-30-2018 12:00 AM	6-26-2018 4:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	5	4	42	232	NO
38	277812	450519	41	M	A+	5-15-2018 5:33 PM	5-22-2018 12:00 AM	5-28-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	13	18	NO
39	278040	450576	58	F	A+	5-21-2018 5:13 PM	5-23-2018 12:00 AM	5-28-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	7	36	NO
40	278099	447868	66	F	O+	5-22-2018 6:35 PM	5-25-2018 12:00 AM	5-28-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	3	6	47	NO
41	278289	451247	60	M	B+	5-28-2018 6:02 PM	5-31-2018 12:00 AM	6-7-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	7	2	10	92	NO
42	278414	448728	51	F	O+	5-31-2018 5:39 PM	6-5-2018 12:00 AM	6-11-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	11	27	NO
43	278560	451387	55	F	O+	6-4-2018 4:55 PM	6-11-2018 12:00 AM	6-15-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	11	42	NO
44	278563	449924	61	F	B+	6-4-2018 6:00 PM	6-6-2018 12:00 AM	6-18-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	2	14	45	NO
45	278673	8804611	43	F	A+	6-7-2018 4:34 PM	6-13-2018 12:00 AM	6-18-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY DEROOOFING ORBIT	2	1	11	26	NO
46	278796	451626	56	F	O+	6-11-2018 6:07 PM	6-14-2018 12:00 AM	7-2-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	1	0	21	100	NO
47	278784	452690	70	F	A-	6-11-2018 6:12 PM	6-18-2018 12:00 AM	6-25-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	14	23	NO
48	279024	452599	36	F	B+	6-18-2018 4:03 PM	6-22-2018 12:00 AM	6-28-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	10	69	NO
49	279022	449184	30	F	O+	6-18-2018 5:20 PM	6-21-2018 12:00 AM	6-25-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	7	24	NO
50	279267	450991	54	F	O+	6-25-2018 4:04 PM	7-3-2018 12:00 AM	9-21-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PETROCLIVAL	2	2	88	454	NO
51	279295	453303	57	F	B+	6-25-2018 5:56 PM	7-3-2018 12:00 AM	7-9-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA FALX	3	0	14	23	NO
52	279706	451130	53	F	B+	7-6-2018 4:10 PM	7-12-2018 12:00 AM	7-19-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	13	26	NO
53	279943	430496	55	F	B+	7-12-2018 5:30 PM	7-17-2018 12:00 AM	7-26-2018 4:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	0	0	14	17	NO
54	279946	331472	58	F	B+	7-12-2018 6:10 PM	7-18-2018 12:00 AM	7-23-2018 3:55 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	1	0	11	24	NO
55	280057	451461	34	F	B+	7-16-2018 5:53 PM	7-24-2018 12:00 AM	7-30-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	0	0	14	23	NO
56	280489	454823	49	F	O+	7-27-2018 4:54 PM	8-1-2018 12:00 AM	8-4-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	0	8	22	NO
57	280488	454797	51	F	O+	7-27-2018 5:19 PM	8-8-2018 12:00 AM	8-13-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	17	45	NO
58	280590	450086	70	M	B+	7-30-2018 4:53 PM	8-13-2018 12:00 AM	8-20-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	21	24	NO
59	280591	449720	38	F	A+	7-30-2018 6:25 PM	8-13-2018 12:00 AM	8-13-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PETROCLIVAL	4	0	14	47	NO
60	280826	455016	31	M	AB+	8-6-2018 5:08 PM	8-10-2018 12:00 AM	8-16-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	10	65	NO
61	280829	453472	55	M	B+	8-6-2018 6:13 PM	8-7-2018 12:00 AM	9-3-2018 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	28	47	NO
62	280822	454413	63	M	B+	8-6-2018 8:14 PM	8-13-2018 12:00 AM	8-20-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	14	59	NO
63	281073	399395	55	F	O+	8-13-2018 4:34 PM	8-21-2018 12:00 AM	8-24-2018 4:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	11	38	NO
64	281099	368911	43	F	O+	8-14-2018 5:13 PM	8-23-2018 12:00 AM	8-29-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	3	15	16	NO
65	281650	446855	48	F	O+	9-3-2018 2:30 PM	9-5-2018 12:00 AM	9-10-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	7	16	NO
66	281655	447794	31	F	O+	9-3-2018 3:33 PM	9-13-2018 12:00 AM	9-17-2018 3:30 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION POST ARCH OF ATLAS	4	1	14	22	NO
67	281662	202638	50	F	O+	9-3-2018 4:51 PM	9-11-2018 12:00 AM	9-17-2018 4:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA TENTORIAL	5	1	14	16	NO
68	281664	455458	52	F	O+	9-3-2018 5:40 PM	9-6-2018 12:00 AM	9-10-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	7	24	NO

73	282389	232127	74	F	O+	9-24-2018 5:09 PM	9-27-2018 12:00 AM	10-2-2018 2:15 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	1	8	17	YES	
74	282372	455022	42	F	B+	9-24-2018 5:14 PM	10-3-2018 12:00 AM	10-8-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	14	20	NO	
75	282650	451539	56	F	A+	10-1-2018 5:41 PM	10-4-2018 12:00 AM	10-8-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	7	27	NO	
76	282708	456973	46	F	O+	10-3-2018 2:06 PM	10-8-2018 12:00 AM	10-15-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	12	38	NO	
77	282885	457736	52	F	A+	10-8-2018 4:48 PM	10-10-2018 12:00 AM	10-15-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	7	24	NO	
78	282882	457136	56	F	A+	10-8-2018 4:52 PM	10-16-2018 12:00 AM	10-22-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	14	20	NO	
79	282878	309188	36	F	O+	10-8-2018 5:00 PM	10-15-2018 12:00 AM	10-22-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	2	14	85	NO	
80	283153	458206	44	F	A+	10-15-2018 4:18 PM	10-17-2018 12:00 AM	10-29-2018 4:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	2	2	14	99	NO	
81	283149	428261	66	M	B+	10-15-2018 4:38 PM	10-17-2018 12:00 AM	10-22-2018 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	7	100	NO	
82	283359	412560	47	M	B+	10-22-2018 5:09 PM	10-24-2018 12:00 AM	10-29-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	7	20	NO	
83	283347	453098	66	M	A+	10-22-2018 6:06 PM	10-25-2018 12:00 AM	10-29-2018 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	7	28	NO	
84	283621	448731	66	M	A+	10-29-2018 4:34 PM	11-5-2018 12:00 AM	11-13-2018 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	2	0	15	77	NO	
85	283644	459612	45	F	O+	10-29-2018 7:27 PM	11-5-2018 12:00 AM	11-8-2018 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	10	29	NO	
86	283834	257495	53	F	O+	11-5-2018 4:24 PM	11-13-2018 12:00 AM	11-19-2018 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY EXCISION MENINGIOMA BENIGN	3	1	14	42	NO	
87	283853	458957	37	M	B-	11-5-2018 4:50 PM	11-14-2018 12:00 AM	11-19-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	2	0	14	17	NO	
88	283941	448841	47	M	A+	11-8-2018 4:27 PM	11-12-2018 12:00 AM	11-27-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	4	1	19	76	NO	
89	283943	446853	64	F	O+	11-8-2018 5:16 PM	11-21-2018 12:00 AM	11-26-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	6	2	18	22	NO	
90	284077	458334	47	F	O+	11-12-2018 3:34 PM	11-15-2018 12:00 AM	11-26-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	3	14	166	NO	
91	284075	457710	49	F	B+	11-12-2018 4:43 PM	11-21-2018 12:00 AM	11-26-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	14	34	NO	
92	284082	453438	54	F	O-	11-12-2018 5:19 PM	11-29-2018 12:00 AM	12-6-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	24	69	NO	
93	284208	460407	73	F	O+	11-15-2018 5:05 PM	11-21-2018 12:00 AM	11-26-2018 2:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY EXCISION MENINGIOMA FRONTAL	4	0	11	19	NO	
94	284418	384043	41	M	B+	11-22-2018 4:57 PM	11-26-2018 12:00 AM	11-29-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA OLFATORY GROOVE	4	0	7	57	NO	
95	284417	460229	39	F	O+	11-22-2018 5:07 PM	11-26-2018 12:00 AM	12-3-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	11	32	NO	
96	284453	460905	54	M	A+	11-23-2018 1:50 PM	11-29-2018 12:00 AM	12-6-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SPHENOIDWING	2	0	13	20	NO	
97	284576	452852	59	F	A+	11-26-2018 5:29 PM	11-30-2018 12:00 AM	12-3-2018 1:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	1	7	63	NO	
98	284569	460778	53	F	O+	11-26-2018 6:06 PM	12-3-2018 12:00 AM	12-14-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	3	18	75	NO	
99	284826	398412	43	M	A+	12-3-2018 5:56 PM	12-18-2018 12:00 AM	12-21-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	18	19	NO	
100	284965	460244	56	M	O+	12-6-2018 4:32 PM	12-10-2018 12:00 AM	12-17-2018 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY EXCISION MENINGIOMA BENIGN	3	2	11	36	NO	
101	284964	460923	66	F	B+	12-6-2018 4:34 PM	12-11-2018 12:00 AM	12-19-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	13	68	NO	
102	284956	461333	38	F	B+	12-6-2018 5:07 PM	12-12-2018 12:00 AM	12-15-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	1	9	24	NO	
103	285117	458824	48	F	A+	12-11-2018 3:49 PM	12-13-2018 12:00 AM	12-19-2018 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	3	1	8	116	NO	
104	285775	460997	61	F	O+	12-31-2018 5:17 PM	1-4-2019 12:00 AM	1-10-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	5	4	10	64	NO	
105	285765	456390	37	F	O+	12-31-2018 6:04 PM	1-10-2019 12:00 AM	1-14-2019 3:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	2	14	25	NO	
106	285858	455490	57	F	O+	1-2-2019 5:41 PM	1-3-2019 12:00 AM	1-7-2019 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA BENIGN	4	2	5	26	NO	
107	286051	461108	65	F	O+	1-7-2019 6:29 PM	1-9-2019 12:00 AM	1-15-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SPHENOIDWING	2	2	8	13	NO	
108	286064	457340	57	F	B+	1-7-2019 7:56 PM	1-10-2019 12:00 AM	1-14-2019 3:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	7	18	NO	
109	286289	462628	48	F	B+	1-14-2019 5:03 PM	1-16-2019 12:00 AM	1-22-2019 6:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	8	53	NO	
110	286299	455511	65	F	A+	1-14-2019 5:38 PM	1-21-2019 12:00 AM	1-24-2019 4:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	2	10	119	YES	
111	286773	456483	28	M	B+	1-28-2019 9:32 PM	1-31-2019 12:00 AM	2-7-2019 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	10	62	NO	
112	286890	462856	40	F	A+	1-31-2019 6:13 PM	2-11-2019 12:00 AM	2-14-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	14	21	NO	
113	287027	463943	70	M	O-	2-4-2019 5:15 PM	2-5-2019 12:00 AM	2-11-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	7	23	NO	
114	287065	464707	45	F	O+	2-5-2019 5:27 PM	2-7-2019 12:00 AM	2-14-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	5	3	9	25	NO	
115	287128	9702888	55	F	O+	2-7-2019 5:08 PM	2-21-2019 12:00 AM	2-27-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	20	68	NO	
116	287131	464780	48	F	O+	2-7-2019 5:22 PM	2-11-2019 12:00 AM	2-18-2019 6:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	2	0	11	17	NO	
117	287266	456325	67	M	B+	2-11-2019 5:06 PM	2-18-2019 12:00 AM	2-25-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	14	24	NO	
118	287256	206682	70	M	B+	2-11-2019 5:08 PM	2-14-2019 12:00 AM	2-18-2019 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	7	29	NO	
119	287269	459451	58	F	O+	2-11-2019 5:54 PM	2-18-2019 12:00 AM	2-25-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	14	83	NO	
120	287364	465098	31	M	B+	2-14-2019 4:59 PM	2-26-2019 12:00 AM	3-12-2019 2:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	0	26	40	NO	
121	287514	463884	44	F	AB+	2-18-2019 6:25 PM	2-23-2019 12:00 AM	2-28-2019 3:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	10	64	NO	
122	287511	458253	54	F	B+	2-18-2019 6:28 PM	2-27-2019 12:00 AM	3-5-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	15	22	NO	
123	287721	464730	38	F	A+	2-25-2019 5:31 PM	3-6-2019 12:00 AM	3-14-2019 3:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SUPRASELLAR	3	1	17	88	NO	
124	287992	465196	63	F	O+	3-5-2019 3:25 PM	3-13-2019 12:00 AM	3-19-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	6	3	14	22	NO	
125	287986	465440	59	F	A+	3-5-2019 4:08 PM	3-20-2019 12:00 AM	3-25-2019 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	6	4	20	40	YES	
126	287983	465518	52	F	O+	3-5-2019 4:49 PM	3-11-2019 12:00 AM	3-19-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	3	14	21	NO	
127	288226	300569	47	F	A+	3-12-2019 2:46 PM	3-18-2019 12:00 AM	3-21-2019 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	9	20	NO	
128	288543	467000	47	F	O+	3-20-2019 5:29 PM	3-22-2019 12:00 AM	3-28-2019 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	2	1	8	74	NO	
129	288598	466637	57	F	A+	3-21-2019 4:25 PM	3-28-2019 12:00 AM	4-8-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA OLFATORY GROOVE	3	1	18	45	NO	
130	288639	465366	42	F	O+	3-22-2019 3:54 PM	3-26-2019 12:00 AM	3-28-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	6	22	NO	
131	288731	467052	57	F	B+	3-25-2019 5:47 PM	3-25-2019 12:00 AM	4-8-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	14	41	NO	
132	288741	465055	57	M	B+	3-25-2019 5:49 PM	3-27-2019 12:00 AM	4-1-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	7	25	NO	
133	288736	465395	49	F	O+	3-25-2019 6:32 PM	4-1-2019 12:00 AM	4-8-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	14	63	NO	
134	288740	454402	45	F	O+	3-25-2019 6:32 PM	4-1-2019 12:00 AM	5-2-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	3	38	349	NO	
135	288852	465559	63	F	AB+	3-28-2019 4:51 PM	4-2-2019 12:00 AM	4-8-2019 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	11	2	NO	
136	288850	461549	59	F	AB+	3-28-2019 4:53 PM	4-1-2019 12:00 AM	4-4-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	2	0	7	25	NO	
137	288967	464660	30	M	B+	4-1-2019 5:01 PM	4-4-2019 12:00 AM	4-8-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	7	11	NO	
138	289104	462030	58	M	A+	4-4-2019 5:50 PM	4-8-2019 12:00 AM	4-16-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH						

155	291748	471196	21	F	B+	6-21-2019 4:25 PM	6-26-2019 12:00 AM	7-1-2019 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	1	0	10	29	NO	
156	291828	471063	40	M	B-	6-24-2019 5:02 PM	6-26-2019 12:00 AM	7-1-2019 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	7	21	NO	
157	291947	464318	62	F	O+	6-27-2019 4:33 PM	7-4-2019 12:00 AM	7-11-2019 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA TENTORIAL	7	4	14	105	NO	
158	291954	464521	60	M	B+	6-27-2019 5:29 PM	7-2-2019 12:00 AM	7-8-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	11	39	NO	
159	292113	264859	57	F	A+	7-2-2019 6:28 PM	7-15-2019 12:00 AM	7-22-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	4	1	20	42	NO	
160	292198	472007	31	M	O+	7-4-2019 5:52 PM	7-5-2019 12:00 AM	7-8-2019 1:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	4	18	NO	
161	292697	472720	39	M	A+	7-18-2019 4:34 PM	7-24-2019 12:00 AM	8-1-2019 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	3	3	14	18	NO	
162	292823	472930	55	F	O+	7-22-2019 3:49 PM	7-24-2019 12:00 AM	7-29-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	7	27	NO	
163	292824	472284	36	F	B-	7-22-2019 4:31 PM	7-25-2019 12:00 AM	7-29-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	7	27	NO	
164	292822	469841	45	F	B+	7-22-2019 4:43 PM	8-5-2019 12:00 AM	8-26-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	2	35	40	NO	
165	293076	471741	40	M	O-	7-29-2019 2:55 PM	8-5-2019 12:00 AM	8-12-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	0	14	29	NO	
166	293074	471983	60	F	A+	7-29-2019 4:17 PM	8-5-2019 12:00 AM	8-12-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	14	22	NO	
167	293299	473966	42	M	O+	8-5-2019 3:29 PM	8-8-2019 12:00 AM	8-17-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	3	12	20	NO	
168	293540	474215	40	M	B+	8-12-2019 3:03 PM	8-19-2019 12:00 AM	8-22-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	2	10	132	NO	
169	293536	471830	52	F	A+	8-12-2019 3:05 PM	8-14-2019 12:00 AM	8-19-2019 4:33 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA BENIGN	2	1	7	43	NO	
170	293758	474232	45	M	A+	8-19-2019 6:11 PM	8-22-2019 12:00 AM	8-29-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	10	96	NO	
171	293757	463702	44	F	AB+	8-19-2019 6:19 PM	8-26-2019 12:00 AM	9-2-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	4	14	40	NO	
172	294487	475492	70	F	B+	9-16-2019 5:21 PM	9-19-2019 12:00 AM	9-30-2019 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	14	116	NO	
173	294480	475258	45	M	O+	9-16-2019 6:43 PM	9-24-2019 12:00 AM	1-9-2020 2:52 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SPHENOIDWING	3	2	115	###	NO	
174	294631	314388	58	F	B+	9-19-2019 4:55 PM	9-25-2019 12:00 AM	10-9-2019 6:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	RE-EXPLORATION BRAIN	2	1	20	14	NO	
175	294642	474138	60	F	B+	9-19-2019 5:46 PM	9-23-2019 12:00 AM	9-30-2019 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	11	39	NO	
176	294681	346985	54	F	O+	9-20-2019 3:37 PM	9-26-2019 12:00 AM	10-4-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	14	89	NO	
177	294789	476204	56	F	A+	9-23-2019 5:26 PM	9-27-2019 12:00 AM	10-4-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	0	0	11	70	NO	
178	294887	475830	49	F	B+	9-26-2019 5:38 PM	9-30-2019 12:00 AM	10-4-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	8	57	NO	
179	295007	475502	44	F	A+	9-30-2019 4:33 PM	10-9-2019 12:00 AM	10-16-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	16	22	NO	
180	295014	475691	58	F	B+	9-30-2019 6:06 PM	10-1-2019 12:00 AM	10-9-2019 6:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	9	0	NO	
181	295246	475339	48	F	B+	10-9-2019 3:52 PM	10-14-2019 12:00 AM	10-21-2019 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION OF MENINGIOMA	3	0	12	19	NO	
182	295418	477024	42	F	B+	10-14-2019 4:06 PM	10-17-2019 12:00 AM	10-21-2019 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	1	7	8	NO	
183	295559	476048	73	F	A-	10-17-2019 3:56 PM	10-21-2019 12:00 AM	10-28-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	2	0	11	58	NO	
184	295688	476832	58	F	O+	10-21-2019 5:16 PM	10-29-2019 12:00 AM	11-4-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA FALX	6	2	14	16	NO	
185	295763	477751	36	M	B-	10-22-2019 5:01 PM	10-24-2019 12:00 AM	11-4-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	13	93	NO	
186	295948	462261	50	F	O-	10-28-2019 3:31 PM	11-1-2019 12:00 AM	11-7-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	4	4	10	64	NO	
187	295947	477100	54	F	B-	10-28-2019 3:57 PM	10-30-2019 12:00 AM	11-4-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	0	0	7	22	NO	
188	296203	477663	39	F	B+	11-4-2019 3:55 PM	11-7-2019 12:00 AM	11-14-2019 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	5	3	10	89	NO	
189	296444	472375	44	M	O+	11-11-2019 2:48 PM	11-15-2019 12:00 AM	12-12-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	31	120	NO	
190	296443	477841	53	M	A+	11-11-2019 3:57 PM	11-19-2019 12:00 AM	11-25-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	14	22	NO	
191	296564	478940	51	M	O+	11-14-2019 3:00 PM	11-27-2019 12:00 AM	12-5-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	1	21	57	NO	
192	296554	478094	65	F	A+	11-14-2019 3:07 PM	11-20-2019 12:00 AM	11-25-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	11	17	NO	
193	296565	422058	37	M	A+	11-14-2019 4:19 PM	11-28-2019 12:00 AM	12-3-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	4	1	19	37	NO	
194	296683	487724	50	F	B-	11-18-2019 4:18 PM	11-26-2019 12:00 AM	12-2-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	1	0	14	23	NO	
195	296742	479315	35	F	O+	11-19-2019 6:01 PM	11-21-2019 12:00 AM	11-26-2019 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	7	16	NO	
196	296686	478534	33	F	O+	11-25-2019 4:10 PM	11-27-2019 12:00 AM	12-2-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	5	3	7	21	NO	
197	297047	479749	27	F	A+	11-28-2019 5:03 PM	12-2-2019 12:00 AM	12-5-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	7	20	NO	
198	297299	479723	72	F	O+	12-5-2019 1:55 PM	12-20-2019 12:00 AM	12-24-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	2	19	107	NO	
199	297339	480214	31	F	B+	12-6-2019 4:17 PM	12-17-2019 12:00 AM	12-23-2019 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	1	17	84	NO	
200	297640	477659	61	F	A+	12-16-2019 4:08 PM	12-19-2019 12:00 AM	12-30-2019 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	2	14	20	NO	
201	298027	479702	65	F	AB+	12-30-2019 4:04 PM	1-8-2020 12:00 AM	1-14-2020 1:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	15	28	NO	
202	298049	477810	44	M	O+	12-30-2019 5:05 PM	1-7-2020 12:00 AM	1-13-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	1	14	38	NO	
203	298043	474430	52	F	AB+	12-30-2019 5:07 PM	1-1-2020 12:00 AM	1-6-2020 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	7	19	NO	
204	298278	475710	50	M	A+	1-6-2020 2:36 PM	1-10-2020 12:00 AM	1-16-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	2	10	66	NO	
205	298277	479299	48	F	O+	1-6-2020 3:26 PM	1-8-2020 12:00 AM	1-13-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	3	7	23	NO	
206	298535	480665	47	F	B+	1-13-2020 5:22 PM	1-15-2020 12:00 AM	1-23-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	10	118	NO	
207	298519	481742	36	M	O+	1-13-2020 5:31 PM	1-17-2020 12:00 AM	1-23-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	10	22	NO	
208	298641	424094	38	F	B+	1-16-2020 2:10 PM	1-20-2020 12:00 AM	1-30-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	4	2	14	8	NO	
209	298643	480077	29	M	A+	1-16-2020 2:34 PM	1-21-2020 12:00 AM	1-26-2020 5:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	6	3	10	118	YES	
210	298636	479980	47	F	B+	1-16-2020 3:45 PM	1-17-2020 12:00 AM	1-27-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	11	22	NO	
211	298903	476832	45	F	O+	1-23-2020 2:51 PM	1-30-2020 12:00 AM	2-6-2020 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	2	14	20	NO	
212	298901	480340	46	M	A+	1-23-2020 2:52 PM	1-27-2020 12:00 AM	1-30-2020 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	0	7	21	NO	
213	299035	480673	47	F	A+	1-27-2020 3:11 PM	1-28-2020 12:00 AM	1-30-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	3	22	NO	
214	299265	464025	54	F	A+	2-3-2020 4:43 PM	2-7-2020 12:00 AM	2-13-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	10	66	NO	
215	299260	468250	55	F	A+	2-3-2020 4:59 PM	2-7-2020 12:00 AM	2-11-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	8	49	NO	
216	299261	477646	50	M	O+	2-3-2020 5:09 PM	2-7-2020 12:00 AM	2-17-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	2	14	53	NO	
217	299381	482908	47	M	O+	2-6-2020 5:11 PM	2-12-2020 12:00 AM	2-17-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	3	11	56	NO	
218	299490	482969	48	F	A+	2-10-2020 4:24 PM	2-19-2020 12:00 AM	3-2-2020 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	21	92	NO	
219	299620	481256	46	M	A+	2-13-2020 3:02 PM	2-24-2020 12:00 AM	3-5-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	21	35	NO	
220	299744	481307	47	M	B+	2-17-2020 2:50 PM	2-25-2020 12:00 AM	3-2-2020 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	3	14	20	NO	
221																

237	301163	480035	56	F	O+	5-25-2020 2:52 PM	5-28-2020 12:00 AM	6-3-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	3	9	87	NO	
238	301162	480809	62	F	O+	5-25-2020 2:53 PM	6-2-2020 12:00 AM	6-8-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SPHENOIDWING	2	1	14	23	NO	
239	301282	485514	66	M	A+	6-1-2020 1:27 PM	6-3-2020 12:00 AM	6-11-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	10	116	NO	
240	301288	403264	28	F	O+	6-1-2020 2:07 PM	6-8-2020 12:00 AM	6-11-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PETROCLIVAL	3	3	10	20	NO	
241	301370	293994	54	M	A+	6-5-2020 2:29 PM	6-10-2020 12:00 AM	6-29-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	ANGIOGRAM 4 VESSEL	4	1	24	44	NO	
242	301482	290894	47	F	O+	6-11-2020 2:32 PM	6-17-2020 12:00 AM	6-22-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	3	11	45	NO	
243	301657	485468	68	M	O+	6-22-2020 2:04 PM	6-25-2020 12:00 AM	7-6-2020 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	1	14	108	NO	
244	301659	483173	55	F	O+	6-22-2020 2:08 PM	6-25-2020 12:00 AM	7-13-2020 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	2	21	193	NO	
245	301807	485695	52	M	O+	6-29-2020 4:07 PM	7-1-2020 12:00 AM	7-6-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	3	7	21	NO	
246	301874	476042	53	M	B+	7-2-2020 4:33 PM	7-13-2020 12:00 AM	7-22-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CLINOID	2	1	20	186	NO	
247	301949	484993	63	M	B+	7-6-2020 3:15 PM	7-8-2020 12:00 AM	7-13-2020 6:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	7	21	NO	
248	301970	485990	31	F	B+	7-8-2020 2:08 PM	7-10-2020 12:00 AM	7-15-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	7	68	NO	
249	302001	486300	19	F	AB+	7-10-2020 2:52 PM	7-13-2020 12:00 AM	7-16-2020 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	3	2	6	18	NO	
250	302033	407345	58	M	B+	7-13-2020 4:04 PM	7-21-2020 12:00 AM	7-30-2020 2:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	4	0	17	19	NO	
251	302094	235868	51	F	B+	7-21-2020 3:29 PM	7-4-2020 12:00 AM	8-12-2020 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	22	20	NO	
252	302117	486391	45	F	B+	7-23-2020 2:03 PM	8-5-2020 12:00 AM	8-10-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	3	18	19	NO	
253	302120	450095	62	M	A+	7-23-2020 2:51 PM	7-28-2020 12:00 AM	8-3-2020 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	RE-EXPLORATION BRAIN	3	1	11	21	NO	
254	302272	486824	35	M	A+	8-11-2020 5:13 PM	8-14-2020 12:00 AM	8-19-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	3	8	87	NO	
255	302345	487110	50	F	O+	8-17-2020 3:51 PM	8-25-2020 12:00 AM	8-28-2020 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	11	1	NO	
256	302353	486677	50	F	A+	8-18-2020 2:25 PM	8-26-2020 12:00 AM	8-29-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	3	1	11	1	NO	
257	302355	487379	45	F	O+	8-18-2020 3:26 PM	8-27-2020 12:00 AM	9-1-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	3	1	14	0	NO	
258	302470	486041	53	F	O+	8-25-2020 2:53 PM	9-7-2020 12:00 AM	9-11-2020 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA OLFATORY GROOVE	2	1	17	20	NO	
259	302606	461378	27	F	B+	9-7-2020 4:41 PM	9-11-2020 12:00 AM	9-16-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CLINOID	1	0	9	65	NO	
260	302607	486741	58	F	O+	9-7-2020 4:58 PM	9-15-2020 12:00 AM	9-23-2020	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY EXCISION MENINGIOMA TENTORIAL	3	3	16	178	NO	
261	302677	487852	74	M	O+	9-11-2020 3:44 PM	9-16-2020 12:00 AM	9-22-2020 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	4	11	256	NO	
262	302737	487608	49	F	AB+	9-15-2020 2:33 PM	10-1-2020 12:00 AM	10-3-2020 4:20 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	2	18	47	NO	
263	302760	404354	51	F	O+	9-16-2020 3:32 PM	10-1-2020 12:00 AM	10-3-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	2	17	46	NO	
264	303225	353465	39	M	B+	10-15-2020 4:24 PM	10-16-2020 12:00 AM	10-21-2020 6:50 AM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	6	0	NO	
265	303296	487822	56	F	AB+	10-19-2020 3:28 PM	10-21-2020 12:00 AM	10-27-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	1	8	19	NO	
266	303339	488610	50	F	B+	10-21-2020 5:01 PM	10-23-2020 12:00 AM	10-27-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	6	0	NO	
267	303378	488562	42	M	B+	10-23-2020 4:27 PM	10-27-2020 12:00 AM	10-30-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	4	4	7	14	NO	
268	303525	486710	71	M	A+	11-2-2020 6:23 PM	11-6-2020 12:00 AM	11-9-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SPHENOIDWING	2	1	7	40	NO	
269	303579	487268	49	F	B+	11-4-2020 3:40 PM	11-11-2020 12:00 AM	11-15-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	1	11	20	NO	
270	303654	487819	70	F	A+	11-7-2020 3:52 PM	11-11-2020 12:00 AM	11-18-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	11	19	NO	
271	303621	488524	45	F	O+	11-7-2020 4:16 PM	11-9-2020 12:00 AM	11-15-2020 4:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	1	1	8	18	NO	
272	303681	488012	46	F	O+	11-9-2020 4:05 PM	11-12-2020 12:00 AM	11-15-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	6	22	NO	
273	303702	488441	66	F	A+	11-10-2020 3:18 PM	11-18-2020 12:00 AM	11-23-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	13	21	NO	
274	303752	486860	42	F	B+	11-12-2020 4:46 PM	11-23-2020 12:00 AM	11-25-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	13	23	NO	
275	303865	437714	60	M	B+	11-19-2020 2:32 PM	11-23-2020 12:00 AM	11-27-2020 4:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	2	8	39	NO	
276	303940	488163	58	F	B+	11-23-2020 3:12 PM	11-24-2020 12:00 AM	12-2-2020 4:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	9	30	NO	
277	303967	487421	38	F	A+	11-24-2020 9:22 PM	11-30-2020 12:00 AM	12-7-2020 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	0	13	25	NO	
278	304115	488526	59	F	A+	11-30-2020 4:44 PM	12-7-2020 12:00 AM	12-30-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PETROUS APEX	6	5	30	125	NO	
279	304177	485515	48	F	O+	12-2-2020 5:08 PM	12-4-2020 12:00 AM	12-7-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	5	22	NO	
280	304176	490152	47	F	B+	12-2-2020 5:14 PM	12-8-2020 12:00 AM	12-10-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	1	8	10	NO	
281	304326	486437	62	M	B+	12-8-2020 3:04 PM	12-16-2020 12:00 AM	12-21-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA PETROCLIVAL	3	3	13	39	NO	
282	304324	306637	66	F	O+	12-8-2020 3:14 PM	12-16-2020 12:00 AM	12-21-2020 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	13	19	NO	
283	304490	489721	67	M	A+	12-15-2020 4:45 PM	12-23-2020 12:00 AM	12-28-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	13	20	NO	
284	304593	489762	41	M	B+	12-19-2020 4:05 PM	12-23-2020 12:00 AM	12-25-2020 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	6	18	NO	
285	304776	490946	45	M	B+	12-28-2020 3:35 PM	1-5-2021 12:00 AM	1-16-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SPHENOIDWING	2	2	19	39	NO	
286	304780	489515	61	F	O+	12-28-2020 4:15 PM	12-30-2020 12:00 AM	1-4-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	1	7	40	NO	
287	304815	490595	62	F	A+	12-29-2020 3:52 PM	1-4-2021 12:00 AM	1-12-2021 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	5	1	14	89	NO	
288	304818	490447	69	F	O+	12-29-2020 5:21 PM	1-1-2021 12:00 AM	1-11-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA OLFATORY GROOVE	4	2	13	111	NO	
289	304913	490061	53	F	B+	1-1-2021 4:30 PM	1-8-2021 12:00 AM	1-11-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	10	50	NO	
290	304914	488899	60	F	B+	1-1-2021 4:55 PM	1-8-2021 12:00 AM	1-11-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	10	64	NO	
291	305378	490276	45	M	A+	1-18-2021 6:10 PM	1-22-2021 12:00 AM	1-25-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	7	25	NO	
292	305412	492165	51	M	A+	1-19-2021 5:14 PM	1-28-2021 12:00 AM	2-1-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	7	4	13	39	NO	
293	305462	489263	48	F	O+	1-20-2021 4:34 PM	2-1-2021 12:00 AM	2-4-2021 4:00 PM	MALIGNANT NEOPLASM OF CEREBELLUM	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	15	24	NO	
294	305585	489518	29	F	B+	1-25-2021 4:43 PM	2-2-2021 12:00 AM	2-6-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	0	12	21	NO	
295	305761	480336	53	F	AB+	2-1-2021 4:15 PM	2-8-2021 12:00 AM	2-11-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	10	24	NO	
296	305909	491641	39	F	O+	2-5-2021 4:18 PM	2-11-2021 12:00 AM	2-16-2021 5:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	2	0	11	3	NO	
297	305908	493055	61	F	AB-	2-5-2021 5:07 PM	2-11-2021 12:00 AM	2-16-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	2	1	11	87	NO	
298	305993	362688	40	M	O-	2-8-2021 3:36 PM	2-15-2021 12:00 AM	2-17-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	4	0	9	17	NO	
299	306227	493625	65	M	A+	2-15-2021 2:12 PM	2-24-2021 12:00 AM	3-1-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	2	0	14	3	NO	
300	306626	494266	48	F	B+	3-1-2021 5:31 PM	3-5-2021 12:00 AM	3-9-2021 4:15 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION OF MENINGIOMA	2	0	8	64	NO	
301	306701	490980	52	M	A+	3-3-2021 4:00 PM	3-10-2021 12:00 AM	3-12-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	2	0	9	10	NO	
302	306854	492803	44	F	A+	3-8-2021 4:53 PM	3-15-2021 12:00 AM	3-19-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	2	11	19	NO	
303	306884	492636	46	F	O+	3-9-2021 4:52 PM	3-17-2021 12:00 AM									

319	308071	497114	26	F	O+	4-21-2021 3:30 PM	4-26-2021 12:00 AM	4-30-2021 4:00 PM	MALIGNANT NEOPLASM OF CEREBRAL VENTRICLE	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	2	0	9	105	NO	
320	308070	494747	67	F	O+	4-21-2021 4:16 PM	4-23-2021 12:00 AM	4-27-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	6	27	NO	
321	308075	496152	53	F	O+	4-21-2021 4:49 PM	4-26-2021 12:00 AM	5-1-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	LAMINECTOMY CERVICAL AND EXCISION OF MENINGIOMA	4	4	10	17	NO	
322	308165	489433	54	F	B+	4-26-2021 3:31 PM	4-30-2021 12:00 AM	5-5-2021 4:45 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	9	93	NO	
323	308193	482431	45	F	O+	4-27-2021 2:50 PM	5-4-2021 12:00 AM	5-8-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	5	3	11	43	NO	
324	308298	494547	37	F	B+	5-4-2021 3:08 PM	5-10-2021 12:00 AM	5-14-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	10	19	NO	
325	308297	439743	42	M	A+	5-4-2021 4:38 PM	5-11-2021 12:00 AM	5-14-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	1	10	21	NO	
326	308385	497720	28	M	B-	5-10-2021 4:22 PM	5-14-2021 12:00 AM	5-18-2021 3:45 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	8	67	NO	
327	308401	405734	39	F	O+	5-11-2021 4:03 PM	5-18-2021 12:00 AM	5-21-2021 5:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION MENINGIOMA PARASAGITTAL	2	1	10	21	NO	
328	308493	328158	43	F	B+	5-18-2021 2:38 PM	5-24-2021 12:00 AM	5-27-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	3	9	34	NO	
329	308494	495055	58	F	B-	5-18-2021 2:58 PM	5-25-2021 12:00 AM	5-29-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	11	20	NO	
330	308633	496540	44	F	B+	5-26-2021 4:22 PM	5-31-2021 12:00 AM	6-2-2021 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	1	7	19	NO	
331	308705	498166	79	M	O-	5-31-2021 3:19 PM	6-3-2021 12:00 AM	6-8-2021 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	2	8	43	NO	
332	308772	498294	52	F	A-	6-3-2021 4:30 PM	6-9-2021 12:00 AM	6-14-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	2	11	24	NO	
333	308864	496793	57	F	AB+	6-8-2021 4:37 PM	6-17-2021 12:00 AM	6-25-2021 3:45 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	5	4	17	18	NO	
334	308995	498668	64	F	B+	6-14-2021 4:43 PM	6-16-2021 12:00 AM	6-20-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	5	4	6	22	NO	
335	308992	498336	53	F	B+	6-14-2021 5:36 PM	6-18-2021 12:00 AM	6-22-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA SPHENOIDWING	3	2	8	65	NO	
336	309081	499012	22	F	A+	6-17-2021 3:19 PM	6-21-2021 12:00 AM	6-25-2021 3:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	2	8	21	NO	
337	309079	498876	38	M	O+	6-17-2021 3:52 PM	6-21-2021 12:00 AM	6-23-2021 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	6	6	NO	
338	309193	498800	33	F	A+	6-22-2021 3:04 PM	6-24-2021 12:00 AM	6-29-2021 4:30 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	4	7	22	NO	
339	309417	499689	22	M	A+	6-30-2021 4:43 PM	7-7-2021 12:00 AM	7-10-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	2	0	10	19	NO	
340	309578	498064	61	F	B+	7-6-2021 5:12 PM	7-7-2021 12:00 AM	7-10-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	4	8	NO	
341	309755	496182	69	M	A+	7-13-2021 3:42 PM	7-16-2021 12:00 AM	7-21-2021 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA BENIGN	3	3	8	66	NO	
342	309912	500093	63	F	B+	7-19-2021 3:47 PM	7-23-2021 12:00 AM	8-16-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	7	4	28	321	NO	
343	309971	497829	55	F	A+	7-21-2021 5:36 PM	7-29-2021 12:00 AM	8-5-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIECTOMY EXCISION MENINGIOMA BENIGN	3	0	15	17	NO	
344	310281	500905	39	F	B+	8-2-2021 3:43 PM	8-6-2021 12:00 AM	8-13-2021 4:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY EXCISION MENINGIOMA BENIGN	4	1	11	85	NO	
345	310335	499310	66	F	A+	8-3-2021 4:21 PM	8-5-2021 12:00 AM	8-9-2021 4:00 PM	OTHER SPECIFIED DISEASES OF SPINAL CORD	LAMINECTOMY EXCISION OF MENINGIOMA	2	0	6	10	NO	
346	310357	379867	61	M	O-	8-4-2021 4:59 PM	8-6-2021 12:00 AM	8-28-2021 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	2	24	138	NO	
347	310387	500227	37	F	B+	8-5-2021 3:33 PM	8-10-2021 12:00 AM	8-22-2021 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	4	17	164	NO	
348	310390	500228	48	F	A+	8-5-2021 4:05 PM	8-10-2021 12:00 AM	8-13-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	8	18	NO	
349	310432	500175	63	F	O+	8-7-2021 4:10 PM	8-11-2021 12:00 AM	8-16-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	2	9	42	NO	
350	310486	499754	61	F	O+	8-9-2021 3:36 PM	8-13-2021 12:00 AM	8-17-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA CONVEXITY	6	4	8	62	NO	
351	310711	498804	48	F	A+	8-16-2021 4:02 PM	8-26-2021 12:00 AM	8-29-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	13	15	NO	
352	310721	500548	35	M	O+	8-16-2021 11:43 PM	8-24-2021 12:00 AM	9-1-2021 4:00 PM	MALIG NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	CRANIOTOMY AND EXCISION OF MENINGIOMA	6	3	16	42	NO	
353	310739	498889	45	F	B+	8-17-2021 3:28 PM	8-19-2021 12:00 AM	8-23-2021 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY AND EXCISION OF MENINGIOMA	3	0	6	19	NO	
354	310830	500892	58	M	AB+	8-23-2021 3:37 PM	8-26-2021 12:00 AM	8-30-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	7	19	NO	
355	310935	501002	41	F	B+	8-25-2021 4:04 PM	9-1-2021 12:00 AM	9-4-2021 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	LAMINECTOMY EXCISION OF MENINGIOMA	2	0	10	20	NO	
356	310962	500466	37	F	O+	8-26-2021 5:51 PM	9-2-2021 12:00 AM	9-6-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	11	16	NO	
357	311016	501660	69	M	AB+	8-30-2021 2:13 PM	9-6-2021 12:00 AM	9-10-2021 6:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	11	15	NO	
358	311045	500082	49	M	B-	8-31-2021 3:25 PM	9-3-2021 12:00 AM	9-7-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA FRONTAL	2	1	7	60	NO	
359	311042	437119	29	F	O-	9-1-2021 4:23 PM	9-7-2021 12:00 AM	9-14-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY AND EXCISION OF MENINGIOMA	5	3	13	15	NO	
360	311234	501806	60	F	AB+	9-6-2021 3:31 PM	9-14-2021 12:00 AM	9-27-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION MENINGIOMA TENTORIAL	4	3	21	160	NO	
361	311280	500943	51	F	O+	9-7-2021 3:17 PM	9-13-2021 12:00 AM	10-4-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	0	27	46	NO	
362	311425	9106221	37	F	B+	9-13-2021 4:17 PM	9-21-2021 12:00 AM	9-25-2021 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	3	1	12	19	NO	
363	311446	501401	48	F	A+	9-14-2021 3:08 PM	9-23-2021 12:00 AM	9-26-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	12	24	NO	
364	311449	503043	55	F	B+	9-14-2021 6:12 PM	9-16-2021 12:00 AM	9-22-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	4	2	8	90	NO	
365	311527	502510	63	M	A+	9-16-2021 4:08 PM	9-27-2021 12:00 AM	10-6-2021 1:30 PM	CARDIAC ARRHYTHMIA, UNSPECIFIED	CRANIOTOMY EXCISION MENINGIOMA FRONTOPIRIETAL	5	4	20	138	YES	
366	311564	502645	54	M	AB+	9-18-2021 1:19 PM	9-29-2021 12:00 AM	10-1-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	13	28	NO	
367	311565	495856	43	F	O+	9-18-2021 3:05 PM	9-27-2021 12:00 AM	9-29-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	11	26	NO	
368	311626	350665	82	M	A-	9-20-2021 4:05 PM	9-28-2021 12:00 AM	10-4-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	4	4	14	18	NO	
369	311627	267094	53	F	O+	9-20-2021 6:17 PM	9-28-2021 12:00 AM	10-4-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	RE-EXPLORATION BRAIN	0	0	14	24	NO	
370	311825	502667	27	M	AB+	9-26-2021 1:08 PM	10-4-2021 12:00 AM	10-11-2021 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	0	15	13	NO	
371	311822	501411	21	F	O+	9-26-2021 3:05 PM	9-29-2021 12:00 AM	10-2-2021 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY,EXCIS.MENINGIOMA BY POPPEN-SIMPSON APPROACH	2	1	6	19	NO	
372	311876	503638	60	F	O+	9-27-2021 4:50 PM	9-30-2021 12:00 AM	10-4-2021 5:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MENINGIOMA	1	0	7	7	NO	
373	274690	446505	42	M	B+	2-15-2018 3:45 PM	2-21-2018 12:00 AM	2-26-2018 4:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	0	0	11	20	NO	
374	276553	448361	20	F	O+	4-9-2018 4:58 PM	4-12-2018 12:00 AM	4-17-2018 4:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	3	0	8	87	NO	
375	277303	447948	44	M	O+	4-30-2018 4:24 PM	5-4-2018 12:00 AM	5-8-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	2	0	8	69	NO	
376	277779	437126	48	M	A+	5-14-2018 5:30 PM	5-21-2018 12:00 AM	5-28-2018 2:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	0	0	14	24	NO	
377	278308	450666	50	M	O+	5-28-2018 6:49 PM	5-29-2018 12:00 AM	6-11-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	1	14	161	NO	
378	280317	454545	71	M	O-	7-23-2018 5:27 PM	7-24-2018 12:00 AM	8-6-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION MASS BRAIN	0	0	14	144	NO	
379	280710	455433	45	F	A+	8-2-2018 6:31 PM	8-3-2018 12:00 AM	8-28-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	4	2	26	24	NO	
380	283350	303495	27	M	O+	10-22-2018 6:00 PM	10-25-2018 12:00 AM	10-29-2018 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY EXCISION MASS BRAIN	4	0	7	18	NO	
381	283940	459733	39	M	O-	11-8-2018 3:59 PM	11-14-2018 12:00 AM	11-19-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION MASS BRAIN	3	2	11	18	NO	
382	284423	459939	49	F	A+	11-22-2018 3:43 PM	11-30-2018 12:00 AM	12-10-2018 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	2	0	18	93	NO	
383	288469	456576	30	F	O+	3-18-2019 5:37 PM	3-20-2019 12:00 AM	3-25-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	2	1	7	23	NO	
384	288596	461901	50	M	B+	3-21-2019 6:14 PM	3-26-2019 12:00 AM	4-4-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	3	0	14	98	NO	
385	273147	44														

401	274615	446567	60	M	B+	2-12-2018 4:53 PM	2-16-2018 12:00 AM	2-21-2018 7:55 AM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CEREBRAL DISTAL ANTERIOR	1	0	9	16	YES	
402	274652	446617	57	M	O+	2-14-2018 2:15 PM	2-27-2018 12:00 AM	3-5-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	4	2	19	115	NO	
403	274743	446789	63	F	O-	2-16-2018 3:35 PM	2-20-2018 12:00 AM	3-15-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	2	1	27	81	NO	
404	274835	446624	26	F	AB+	2-19-2018 3:17 PM	2-21-2018 12:00 AM	2-26-2018 4:40 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	7	215	NO	
405	275096	447278	46	F	A+	2-26-2018 4:26 PM	3-5-2018 12:00 AM	3-12-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	0	0	14	94	NO	
406	275089	447290	57	M	O+	2-26-2018 6:10 PM	3-1-2018 12:00 AM	3-9-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	5	0	11	15	NO	
407	275165	447411	62	F	B+	2-28-2018 3:14 PM	3-6-2018 12:00 AM	3-13-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	13	118	NO	
408	275335	447001	58	M	B+	3-5-2018 5:05 PM	3-7-2018 12:00 AM	3-12-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	7	16	NO	
409	275350	447606	53	F	A+	3-5-2018 6:14 PM	3-8-2018 12:00 AM	3-14-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	2	1	9	88	NO	
410	275580	447984	38	M	B+	3-12-2018 6:57 PM	3-15-2018 12:00 AM	3-22-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	10	41	NO	
411	275846	444983	38	M	B+	3-19-2018 4:59 PM	4-2-2018 12:00 AM	4-5-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	17	44	NO	
412	275858	448037	59	F	O+	3-19-2018 5:45 PM	3-23-2018 12:00 AM	3-27-2018 4:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	8	66	NO	
413	275998	446995	69	F	O+	3-22-2018 5:29 PM	4-3-2018 12:00 AM	4-23-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	32	63	NO	
414	276314	449002	40	M	O+	4-2-2018 5:19 PM	4-4-2018 12:00 AM	4-9-2018 3:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	3	3	7	68	NO	
415	276292	433434	24	F	A+	4-2-2018 5:29 PM	4-6-2018 12:00 AM	4-16-2018 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	4	0	14	129	NO	
416	276419	449230	59	F	O+	4-5-2018 4:57 PM	4-7-2018 12:00 AM	4-16-2018 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	4	1	11	103	NO	
417	276664	449599	57	F	O+	4-12-2018 3:27 PM	4-16-2018 12:00 AM	4-23-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	11	38	NO	
418	276797	449744	50	F	O+	4-16-2018 5:23 PM	4-20-2018 12:00 AM	5-3-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	17	112	NO	
419	277157	445344	50	M	O+	4-25-2018 3:10 PM	5-2-2018 12:00 AM	5-7-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	12	19	NO	
420	277198	450370	61	F	O+	4-26-2018 5:33 PM	5-2-2018 12:00 AM	5-7-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	11	100	NO	
421	277304	450524	71	F	B+	4-30-2018 5:12 PM	5-4-2018 12:00 AM	5-15-2018 2:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	1	15	67	NO	
422	277353	449420	27	F	A+	5-2-2018 5:22 PM	5-9-2018 12:00 AM	5-21-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	0	0	19	22	NO	
423	277412	450704	60	F	A+	5-3-2018 7:07 PM	5-11-2018 12:00 AM	5-17-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	14	35	NO	
424	277550	450897	46	M	O+	5-8-2018 5:50 PM	5-10-2018 12:00 AM	5-17-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	5	3	9	123	NO	
425	278197	451913	37	M	O-	5-25-2018 4:07 PM	5-28-2018 12:00 AM	6-4-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	0	0	10	95	NO	
426	278416	452218	44	F	A+	5-31-2018 4:58 PM	6-4-2018 12:00 AM	6-11-2018 4:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM	1	0	11	493	NO	
427	278572	431459	42	M	O+	6-4-2018 5:57 PM	6-12-2018 12:00 AM	6-18-2018 2:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	14	74	NO	
428	278643	452483	50	M	O+	6-6-2018 3:24 PM	6-7-2018 12:00 AM	6-18-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	12	25	NO	
429	278787	452225	58	M	A+	6-11-2018 5:43 PM	6-22-2018 12:00 AM	6-28-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	17	819	NO	
430	278792	452545	46	M	O+	6-11-2018 8:20 PM	6-14-2018 12:00 AM	6-20-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	2	0	9	20	NO	
431	279294	453355	47	F	AB+	6-25-2018 6:07 PM	6-29-2018 12:00 AM	7-5-2018 3:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM	2	0	10	19	NO	
432	279384	453557	48	M	O+	6-28-2018 4:33 PM	7-2-2018 12:00 AM	7-9-2018 2:20 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM	2	0	11	231	NO	
433	279537	453723	48	F	O+	7-2-2018 4:53 PM	7-4-2018 12:00 AM	8-6-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIECTOMY EXCISION ANEURYSM ARTERY BRAIN	3	0	35	205	NO	
434	279524	436451	54	F	O+	7-2-2018 5:06 PM	7-3-2018 12:00 AM	7-9-2018 3:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	7	154	NO	
435	279835	454088	66	F	B+	7-9-2018 5:17 PM	7-11-2018 12:00 AM	8-3-2018 2:45 PM	CEREBRAL ANEURYSM, NONRUPTURED	TRAPPING ARTERY ANEURYSM	2	0	25	21	YES	
436	279812	454069	45	F	AB+	7-9-2018 6:05 PM	7-12-2018 12:00 AM	7-17-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	8	65	NO	
437	279854	454154	51	F	AB+	7-10-2018 5:21 PM	7-13-2018 12:00 AM	7-23-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	4	1	13	20	NO	
438	280060	454445	67	M	B+	7-16-2018 5:20 PM	7-18-2018 12:00 AM	7-23-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	7	141	NO	
439	280077	454427	64	F	O+	7-16-2018 5:35 PM	7-19-2018 12:00 AM	9-13-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	3	0	59	59	NO	
440	280325	454786	39	M	A+	7-23-2018 6:12 PM	7-25-2018 12:00 AM	7-30-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	1	7	21	NO	
441	280578	455198	39	M	A-	7-30-2018 5:36 PM	8-1-2018 12:00 AM	8-6-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	7	200	NO	
442	280667	455354	60	F	A+	8-1-2018 6:36 PM	8-3-2018 12:00 AM	8-13-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	1	0	12	235	NO	
443	280664	455348	45	F	B+	8-1-2018 6:36 PM	8-10-2018 12:00 AM	8-21-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CEREBRAL DISTAL ANTERIOR	3	0	20	57	NO	
444	280801	454696	44	F	A+	8-6-2018 4:40 PM	8-10-2018 12:00 AM	8-24-2018 5:31 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY WRAPPING ANEURYSM	3	1	18	184	NO	
445	281068	452531	42	F	O+	8-13-2018 4:35 PM	8-17-2018 12:00 AM	8-23-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	5	2	10	375	NO	
446	281325	456360	49	F	O+	8-23-2018 4:58 PM	8-24-2018 12:00 AM	9-1-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	9	145	NO	
447	281924	457175	44	F	O+	9-10-2018 5:17 PM	9-11-2018 12:00 AM	9-17-2018 1:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	3	1	7	185	NO	
448	282183	455589	65	F	O+	9-17-2018 5:42 PM	9-21-2018 12:00 AM	9-25-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	3	0	4	0	NO	
449	282364	457728	36	M	B+	9-24-2018 4:59 PM	10-4-2018 12:00 AM	10-8-2018 5:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	14	144	NO	
450	282756	407380	33	F	O+	10-4-2018 4:59 PM	10-12-2018 12:00 AM	10-16-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	12	22	NO	
451	282884	458191	64	M	O-	10-8-2018 4:39 PM	10-10-2018 12:00 AM	10-22-2018 4:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	3	0	14	133	NO	
452	282923	458650	57	M	B+	10-9-2018 9:33 AM	10-10-2018 12:00 AM	10-22-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	13	25	NO	
453	283014	458805	66	F	O-	10-11-2018 4:18 PM	10-15-2018 12:00 AM	10-22-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	2	11	93	NO	
454	283016	458851	53	F	O+	10-11-2018 5:23 PM	10-30-2018 12:00 AM	12-6-2018 2:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY MID CAROTID	2	0	56	25	NO	
455	283109	458994	42	F	A+	10-15-2018 12:10 PM	10-23-2018 12:00 AM	10-29-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	ANEURYSM ARTERY COMMUNICATING ANTERIOR	2	1	14	20	NO	
456	283462	459474	66	F	B+	10-25-2018 3:02 PM	10-30-2018 12:00 AM	11-12-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	6	4	18	358	NO	
457	283509	450682	64	F	AB+	10-26-2018 2:10 PM	11-5-2018 12:00 AM	11-8-2018 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY WRAPPING ANEURYSM POST COMMUNICATING ARTERY	1	0	13	21	NO	
458	283608	459615	64	F	O+	10-29-2018 6:13 PM	11-7-2018 12:00 AM	11-19-2018 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	4	2	21	41	YES	
459	284342	460663	43	M	B+	11-19-2018 6:13 PM	11-22-2018 12:00 AM	11-26-2018 2:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CEREBRAL DISTAL ANTERIOR	2	0	7	41	NO	
460	284577	460037	69	F	A+	11-26-2018 4:57 PM	11-30-2018 12:00 AM	12-7-2018 7:10 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	1	11	16	YES	
461	284582	461010	54	F	B+	11-26-2018 6:06 PM	11-29-2018 12:00 AM	1-2-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY MID CAROTID	2	0	37	137	NO	
462	285136	461857	65	F	O+	12-12-2018 10:30 AM	12-13-2018 12:00 AM	12-31-2018 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	19	63	NO	
463	285192	461911	61	F	O+	12-13-2018 12:30 PM	12-14-2018 12:00 AM	1-7-2019 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	25	139	NO	
464	285543	462437	51	F	B+	12-24-2018 11:02 PM	12-26-2018 12:00 AM	1-2-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY & TRAPPING ARTERY ANEURYSM	2	0	9	16	NO	
465	285651	462626	44	M	A+	12-28-2018 1:16 PM	12-29-2018 12:00 AM	1-7-2019 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	3	0	10	23	NO	
466	285663	462673	55	F	O+	12-28-2018 3:21 PM	12-29-2018 12:00 AM	1-8-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM AR						

483	287979	466196	46	F	O+	3-5-2019 5:02 PM	3-6-2019 12:00 AM	3-11-2019 4:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	2	0	6	22	NO	
484	288222	466552	27	M	O+	3-12-2019 12:44 PM	3-14-2019 12:00 AM	3-21-2019 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY MID CAROTID	2	0	9	20	NO	
485	288347	466808	45	M	O+	3-15-2019 3:05 PM	3-18-2019 12:00 AM	3-25-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	10	23	NO	
486	288591	467061	35	M	A+	3-21-2019 5:26 PM	3-28-2019 12:00 AM	4-1-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CAROTID OPHTHALMIC	2	0	11	70	NO	
487	288733	460553	48	M	O+	3-25-2019 6:05 PM	3-25-2019 12:00 AM	4-4-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	10	94	NO	
488	289249	468030	44	F	A+	4-8-2019 5:57 PM	4-10-2019 12:00 AM	4-22-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	3	1	14	235	NO	
489	289233	467870	43	M	B-	4-8-2019 6:24 PM	4-9-2019 12:00 AM	4-17-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	9	84	NO	
490	289348	468244	44	F	A+	4-11-2019 5:32 PM	4-12-2019 12:00 AM	4-17-2019 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	1	1	6	19	NO	
491	289594	460531	43	F	O+	4-22-2019 4:33 PM	4-25-2019 12:00 AM	5-2-2019 4:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM	2	0	10	37	NO	
492	289664	468334	61	M	B-	4-24-2019 4:49 PM	4-25-2019 12:00 AM	5-6-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CEREBRAL DISTAL ANTERIOR	2	0	12	22	NO	
493	289852	466518	26	F	O+	4-29-2019 5:55 PM	5-2-2019 12:00 AM	5-6-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	7	224	NO	
494	290208	469254	31	F	O+	5-9-2019 3:56 PM	5-10-2019 12:00 AM	5-17-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	8	24	NO	
495	290324	464708	54	F	B+	5-13-2019 4:38 PM	5-16-2019 12:00 AM	5-20-2019 5:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM	2	1	7	59	NO	
496	290440	255645	50	F	O+	5-16-2019 2:42 PM	5-21-2019 12:00 AM	6-3-2019 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	ANEURYSM ARTERY COMMUNICATING ANTERIOR	2	2	18	130	NO	
497	290596	458994	43	F	A+	5-20-2019 4:58 PM	5-28-2019 12:00 AM	6-3-2019 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	14	124	NO	
498	290699	470182	64	M	O+	5-22-2019 5:01 PM	5-24-2019 12:00 AM	6-3-2019 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	12	504	NO	
499	291190	461937	31	F	AB+	6-6-2019 2:42 PM	6-12-2019 12:00 AM	6-17-2019 6:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM	2	0	11	40	NO	
500	291747	471761	70	F	O-	6-21-2019 4:20 PM	6-25-2019 12:00 AM	7-1-2019 6:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	10	87	NO	
501	291957	471879	61	M	B+	6-27-2019 4:38 PM	7-2-2019 12:00 AM	7-8-2019 2:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CAROTID OPHTHALMIC	2	0	11	104	NO	
502	292066	470018	56	F	O+	7-1-2019 5:49 PM	7-3-2019 12:00 AM	7-8-2019 2:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	0	7	24	NO	
503	292150	472410	50	M	A+	7-3-2019 11:52 AM	7-4-2019 12:00 AM	7-15-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CEREBRAL DISTAL ANTERIOR	2	0	12	25	NO	
504	292195	466705	44	M	A-	7-4-2019 5:47 PM	7-16-2019 12:00 AM	7-22-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	4	1	18	621	NO	
505	292322	471823	40	F	B-	7-8-2019 4:25 PM	7-9-2019 12:00 AM	7-15-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	3	0	7	38	NO	
506	292342	472659	66	F	B+	7-8-2019 5:32 PM	7-10-2019 12:00 AM	7-15-2019 2:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	7	93	NO	
507	292609	469246	44	M	O+	7-15-2019 6:49 PM	7-18-2019 12:00 AM	7-22-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	7	101	NO	
508	292698	473265	40	F	O+	7-18-2019 3:53 PM	7-22-2019 12:00 AM	7-29-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	1	11	137	NO	
509	292825	470360	50	M	O+	7-22-2019 4:40 PM	7-29-2019 12:00 AM	8-5-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID POST.CO	2	0	14	37	NO	
510	292841	473445	55	M	A+	7-22-2019 4:58 PM	7-25-2019 12:00 AM	8-3-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	4	4	12	35	NO	
511	292901	467266	50	M	A+	7-23-2019 4:57 PM	7-25-2019 12:00 AM	8-5-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	ANGIOGRAPHY DIGITAL SUBTRACTION	3	2	13	62	NO	
512	292954	473615	53	F	O+	7-25-2019 11:16 AM	7-26-2019 12:00 AM	8-13-2019 5:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	19	71	NO	
513	293079	460029	31	F	AB+	7-29-2019 2:08 PM	8-6-2019 12:00 AM	8-12-2019 3:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	14	71	NO	
514	293297	474011	52	F	O+	8-5-2019 5:14 PM	8-8-2019 12:00 AM	8-12-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	7	148	NO	
515	293982	475145	59	M	O+	8-26-2019 5:39 PM	8-28-2019 12:00 AM	9-7-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	6	2	12	322	NO	
516	294204	474394	71	M	O+	9-2-2019 2:22 PM	9-3-2019 12:00 AM	9-6-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	4	9	NO	
517	294208	475531	72	M	AB+	9-2-2019 2:30 PM	9-4-2019 12:00 AM	9-16-2019 4:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	2	0	14	15	NO	
518	294216	475371	44	M	A+	9-2-2019 3:56 PM	9-5-2019 12:00 AM	9-7-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	5	17	NO	
519	294238	475535	40	F	A+	9-2-2019 5:38 PM	9-4-2019 12:00 AM	9-12-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	10	47	NO	
520	294374	475536	66	F	O+	9-10-2019 11:41 AM	9-12-2019 12:00 AM	9-20-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	10	333	NO	
521	294517	475997	65	F	O+	9-16-2019 6:24 PM	9-17-2019 12:00 AM	9-26-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	2	0	10	70	NO	
522	294518	476007	49	F	B+	9-16-2019 6:36 PM	9-17-2019 12:00 AM	10-28-2019 3:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY MID CAROTID	3	1	42	89	NO	
523	294684	476221	48	F	O+	9-20-2019 5:33 PM	9-25-2019 12:00 AM	9-30-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	10	21	NO	
524	294735	476351	71	F	O+	9-22-2019 1:24 AM	10-3-2019 12:00 AM	10-14-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	22	22	NO	
525	295017	474394	71	M	O+	9-30-2019 5:13 PM	10-4-2019 12:00 AM	10-9-2019 6:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	9	85	NO	
526	295010	476718	42	M	B+	9-30-2019 6:28 PM	10-1-2019 12:00 AM	10-7-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	ANGIOGRAPHY DIGITAL SUBTRACTION	2	1	7	128	NO	
527	295124	476957	54	M	B+	10-3-2019 8:15 PM	10-11-2019 12:00 AM	10-21-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	18	69	NO	
528	295252	477120	60	F	B+	10-9-2019 4:27 PM	10-14-2019 12:00 AM	10-21-2019 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	1	0	12	28	NO	
529	295517	477590	50	F	O+	10-16-2019 2:04 PM	10-21-2019 12:00 AM	10-30-2019 4:15 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY CEREBRAL DISTAL ANTERIOR	2	0	14	85	NO	
530	295737	477858	41	F	A+	10-21-2019 9:17 PM	10-23-2019 12:00 AM	10-31-2019 4:16 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	10	0	NO	
531	295836	476656	49	M	B+	10-24-2019 4:38 PM	10-28-2019 12:00 AM	10-31-2019 5:16 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	7	345	NO	
532	295762	477870	48	M	B+	10-28-2019 4:12 PM	10-31-2019 12:00 AM	12-26-2019 3:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	4	0	59	404	NO	
533	296319	9704938	65	M	O+	11-7-2019 2:17 PM	11-8-2019 12:00 AM	11-14-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	4	2	7	65	NO	
534	296555	478671	66	F	O+	11-14-2019 3:21 PM	11-19-2019 12:00 AM	12-2-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	18	25	NO	
535	296687	478514	33	M	A+	11-18-2019 3:26 PM	11-21-2019 12:00 AM	12-4-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	BYPASS ARTERY TEMPORO CEREBRAL	4	3	16	62	NO	
536	296794	479479	69	F	O+	11-21-2019 12:27 PM	11-25-2019 12:00 AM	12-4-2019 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	13	53	NO	
537	297042	329888	22	M	O+	11-28-2019 4:55 PM	12-2-2019 12:00 AM	12-9-2019 5:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM OTH INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM	5	2	11	182	NO	
538	297200	480044	58	F	B+	12-3-2019 11:39 AM	12-4-2019 12:00 AM	12-12-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	9	219	NO	
539	297208	480071	74	F	A+	12-3-2019 3:52 PM	12-5-2019 12:00 AM	12-12-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	1	1	9	111	NO	
540	298032	477232	40	F	A+	12-30-2019 3:50 PM	1-6-2020 12:00 AM	1-13-2020 4:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	3	1	14	66	NO	
541	298052	481079	45	F	A+	12-30-2019 5:12 PM	1-3-2020 12:00 AM	1-9-2020 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	1	10	22	NO	
542	298286	477817	48	M	O+	1-6-2020 2:41 PM	1-10-2020 12:00 AM	1-16-2020 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	3	1	10	20	NO	
543	298652	482159	35	M	O+	1-16-2020 3:48 PM	1-17-2020 12:00 AM	2-3-2020 5:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	3	0	18	27	NO	
544	298653	482163	47	M	A+	1-16-2020 4:25 PM	1-17-2020 12:00 AM	1-23-2020 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	3	0	7	18	NO	
545	299258	482972	49	M	O+	2-3-2020 5:36 PM	2-5-2020 12:00 AM	2-13-2020 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	2	1	10	125	NO	
546	299748	483692	50	F	O+	2-17-2020 4:14 PM	2-26-2020 12:00 AM	3-5-2020 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	4	2	17	141	NO	
547	299859	483363	41	M	A+	2-20-2020 2:38 PM	2-25-2020 12:00 AM	2-27-2020 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	4	1	7	232	NO	
548	300108	480321	62	F	O+	2-27-2020 3:50 PM	3-3-2020 12:00 AM	3-5-2020 4:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOTOMY CLIPPING ANEURYSM	2	0	7	68	NO	

565	302311	485804	51	M	O+	8-14-2020 3:19 PM	8-27-2020 12:00 AM	9-7-2020 3:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE, UNSPECIFIED	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	1	24	203	NO	
566	302458	487346	59	M	O+	8-24-2020 3:50 PM	8-25-2020 12:00 AM	8-29-2020 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	5	23	NO	
567	302576	487604	51	M	O+	9-5-2020 11:31 AM	9-14-2020 12:00 AM	9-22-2020 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	1	0	17	45	NO	
568	302711	487966	63	F	B-	9-13-2020 6:43 PM	9-14-2020 12:00 AM	10-3-2020 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	1	0	20	88	NO	
569	303368	489362	63	F	AB+	10-22-2020 6:04 PM	10-23-2020 12:00 AM	11-2-2020 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	11	66	NO	
570	303432	489532	58	F	A+	10-28-2020 5:18 PM	10-30-2020 12:00 AM	11-3-2020 5:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	6	23	NO	
571	303580	439852	45	F	O+	11-4-2020 3:52 PM	11-10-2020 12:00 AM	11-14-2020 2:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	10	60	NO	
572	304112	490862	67	F	O+	11-30-2020 9:31 AM	12-2-2020 12:00 AM	12-14-2020 3:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	4	0	14	0	NO	
573	304380	491364	66	F	A+	12-10-2020 3:59 PM	12-22-2020 12:00 AM	12-28-2020 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY WRAPPING ANEURYSM	5	2	18	274	NO	
574	304449	491437	53	M	O+	12-13-2020 5:56 PM	12-14-2020 12:00 AM	12-17-2020 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	4	27	NO	
575	304453	491451	57	F	B+	12-14-2020 1:48 PM	12-18-2020 12:00 AM	12-22-2020 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	3	1	8	16	NO	
576	304574	491734	60	M	B+	12-18-2020 11:06 AM	12-19-2020 12:00 AM	12-24-2020 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	3	1	6	133	NO	
577	304773	492088	71	F	B+	12-28-2020 10:51 AM	12-30-2020 12:00 AM	1-5-2021 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	1	0	8	25	NO	
578	305454	493297	58	F	O+	1-20-2021 3:00 PM	1-25-2021 12:00 AM	1-29-2021 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	9	53	NO	
579	305517	492807	65	M	A+	1-22-2021 2:07 PM	2-1-2021 12:00 AM	2-11-2021 4:00 PM	ANEURYSM OF CAROTID ARTERY	RE-EXPLORATION BRAIN	4	3	20	131	NO	
580	306497	495220	40	M	B+	2-24-2021 2:15 PM	2-25-2021 12:00 AM	3-3-2021 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	1	7	108	NO	
581	306532	494727	61	M	O+	2-25-2021 11:52 AM	2-26-2021 12:00 AM	3-4-2021 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	7	20	NO	
582	306631	482165	38	F	A+	3-1-2021 4:15 PM	3-3-2021 12:00 AM	3-8-2021 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	3	2	7	92	NO	
583	306684	492107	69	F	O+	3-2-2021 6:06 PM	3-5-2021 12:00 AM	3-31-2021 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	4	3	29	114	NO	
584	307039	494741	22	F	A+	3-15-2021 3:19 PM	3-18-2021 12:00 AM	3-23-2021 4:00 PM	ANEURYSM OF CAROTID ARTERY	REPAIR ANEURYSM ARTERY	2	1	8	16	NO	
585	307253	492121	57	M	AB+	3-22-2021 4:19 PM	3-25-2021 12:00 AM	3-27-2021 2:35 PM	ANEURYSM OF CAROTID ARTERY	BYPASS GRAFT ARTERIAL	5	3	5	294	NO	
586	307642	493681	49	F	B+	4-5-2021 5:41 PM	4-12-2021 12:00 AM	4-16-2021 5:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY MID CAROTID	4	1	11	329	NO	
587	307685	497078	55	F	B+	4-6-2021 10:55 PM	4-8-2021 12:00 AM	4-13-2021 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	2	0	7	20	NO	
588	307694	497136	67	F	B+	4-7-2021 12:40 PM	4-9-2021 12:00 AM	4-15-2021 5:15 PM	ANEURYSM OF OTHER PRECEREBRAL ARTERIES	CRANIOTOMY CLIPPING ANEURYSM ARTERY BASILAR	2	0	8	115	YES	
589	308171	475145	60	M	O+	4-26-2021 3:46 PM	4-29-2021 12:00 AM	5-12-2021 5:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	0	16	43	NO	
590	308220	497877	61	F	B+	4-28-2021 3:46 PM	4-30-2021 12:00 AM	5-3-2021 3:45 PM	NONTRAUMATIC INTRACRANIAL HEMORRHAGE, UNSPECIFIED	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	4	2	5	12	NO	
591	308342	498202	46	M	A-	5-6-2021 4:30 PM	5-7-2021 12:00 AM	5-11-2021 4:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	EXCISION ANEURYSM BRAIN	4	3	5	58	NO	
592	308406	496100	56	F	B+	5-11-2021 2:45 PM	5-18-2021 12:00 AM	5-22-2021 5:00 PM	ANEURYSM OF OTHER PRECEREBRAL ARTERIES	CRANIOTOMY CLIPPING ANEURYSM ARTERY BASILAR	5	0	11	407	NO	
593	308447	494789	59	F	O+	5-14-2021 2:57 PM	5-18-2021 12:00 AM	5-20-2021 5:00 PM	ANEURYSM OF VERTEBRAL ARTERY	WRAPPING ANEURYSM BRAIN	1	0	6	20	NO	
594	309060	499229	35	F	B+	6-16-2021 4:02 PM	6-29-2021 12:00 AM	7-7-2021 2:00 PM	ANEURYSM OF OTHER PRECEREBRAL ARTERIES	CRANIOTOMY CLIPPING ANEURYSM ARTERY BASILAR	2	0	21	119	NO	
595	309065	439189	62	F	O+	6-16-2021 4:53 PM	6-23-2021 12:00 AM	6-29-2021 10:30 AM	ANEURYSM OF VERTEBRAL ARTERY	CRANIOTOMY CLIPPING ANEURYSM ARTERY VERTEBRAL	1	0	13	34	NO	
596	309249	499370	38	F	A+	6-24-2021 3:47 PM	6-25-2021 12:00 AM	6-29-2021 4:00 PM	NTRM SUBARACH HEMORRHAGE FROM UNSP CAROTID SIPHON AND BIFURC	CRANIOTOMY CLIPPING ANEURYSM ARTERY INTERNAL CAROTID	1	0	5	98	NO	
597	309449	499933	48	F	O+	7-1-2021 8:40 PM	7-7-2021 12:00 AM	7-12-2021 4:00 PM	ANEURYSM OF OTHER PRECEREBRAL ARTERIES	CRANIOTOMY CLIPPING ANEURYSM ARTERY BASILAR	2	0	11	168	NO	
598	309723	500442	64	F	A+	7-12-2021 5:53 PM	7-13-2021 12:00 AM	7-19-2021 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	REPAIR PSEUDOANEURYSM ARTERIAL	0	0	7	36	NO	
599	309792	500560	61	F	A+	7-14-2021 3:13 PM	7-15-2021 12:00 AM	7-22-2021 6:00 PM	OTHER NONTRAUMATIC SUBARACHNOID HEMORRHAGE	CRANIOTOMY CLIPPING ANEURYSM	2	0	8	255	NO	
600	310188	500024	59	M	O-	7-28-2021 5:30 PM	8-2-2021 12:00 AM	8-4-2021 8:00 PM	ANEURYSM OF OTHER PRECEREBRAL ARTERIES	CRANIOTOMY CLIPPING ANEURYSM ARTERY POST COMMUNICATING	3	0	7	92	NO	
601	310493	501775	49	F	B-	8-9-2021 3:34 PM	8-12-2021 12:00 AM	8-16-2021 5:30 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY CLIPPING ANEURYSM	3	1	7	242	NO	
602	310645	405179	35	F	O+	8-13-2021 2:47 PM	8-16-2021 12:00 AM	8-20-2021 4:30 PM	ANEURYSM OF OTHER SPECIFIED ARTERIES	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	3	0	7	35	NO	
603	311051	502697	55	F	O+	8-31-2021 6:52 PM	9-1-2021 12:00 AM	9-23-2021 4:00 PM	ANEURYSM OF OTHER SPECIFIED ARTERIES	CRANIOTOMY CLIPPING ANEURYSM ARTERY ANTERIOR COMMUNICATING	2	0	23	65	NO	
604	311426	502926	21	F	O+	9-13-2021 4:37 PM	9-14-2021 12:00 AM	9-19-2021 6:00 PM	ANEURYSM OF UNSPECIFIED SITE	CRANIOTOMY CLIPPING ANEURYSM	6	3	6	73	NO	
605	289420	465440	59	F	A+	4-13-2019 10:41 PM	4-24-2019 12:00 AM	8-13-2019 6:30 AM	ANEURYSM OF CAROTID ARTERY	CRANIOTOMY EXCISION LESION BRAIN	4	1	122	###	YES	
606	273143	440831	40	F	B+	1-1-2018 4:59 PM	1-4-2018 12:00 AM	1-8-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	7	17	NO	
607	273244	442937	56	M	O+	1-4-2018 3:52 PM	1-9-2018 12:00 AM	1-15-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	19	NO	
608	273374	441567	20	M	O+	1-8-2018 5:11 PM	1-16-2018 12:00 AM	1-29-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	3	1	21	25	NO	
609	273372	442925	53	F	A+	1-8-2018 5:22 PM	1-10-2018 12:00 AM	1-15-2018 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	23	NO	
610	273369	440976	40	F	B+	1-8-2018 5:32 PM	1-16-2018 12:00 AM	1-22-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	1	1	14	21	NO	
611	273622	410242	30	F	B+	1-15-2018 3:44 PM	1-17-2018 12:00 AM	1-23-2018 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	8	23	NO	
612	273725	440108	42	M	A+	1-17-2018 4:42 PM	1-22-2018 12:00 AM	2-1-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	0	15	66	NO	
613	273896	444856	48	M	O+	1-22-2018 5:39 PM	1-29-2018 12:00 AM	2-1-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	10	158	NO	
614	274212	439565	44	M	O+	2-1-2018 6:21 PM	2-2-2018 12:00 AM	2-9-2018 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	8	63	NO	
615	274368	445896	38	M	B+	2-5-2018 5:35 PM	2-12-2018 12:00 AM	2-26-2018 4:30 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	21	117	NO	
616	274365	446126	49	F	B+	2-5-2018 6:17 PM	2-8-2018 12:00 AM	2-12-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	18	NO	
617	274395	440502	39	M	AB+	2-6-2018 4:07 PM	2-9-2018 12:00 AM	2-15-2018 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	61	NO	
618	274610	446294	52	M	AB+	2-12-2018 4:36 PM	2-20-2018 12:00 AM	2-26-2018 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	14	16	NO	
619	274606	446425	49	M	A+	2-12-2018 5:25 PM	2-16-2018 12:00 AM	2-27-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	15	73	NO	
620	274967	363554	67	M	O+	2-22-2018 4:53 PM	2-27-2018 12:00 AM	3-5-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	47	NO	
621	274969	446713	48	F	A+	2-22-2018 4:58 PM	2-27-2018 12:00 AM	3-5-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	0	0	11	9	NO	
622	275579	443012	33	M	O-	3-12-2018 6:51 PM	3-20-2018 12:00 AM	3-27-2018 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	15	68	NO	
623	275981	446137	44	F	O+	3-22-2018 5:19 PM	3-26-2018 12:00 AM	4-2-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	38	NO	
624	276098	447987	29	F	A+	3-26-2018 4:23 PM	3-28-2018 12:00 AM	4-2-2018 6:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	25	NO	
625	276317	436123	35	M	O+	4-2-2018 5:04 PM	4-10-2018 12:00 AM	4-16-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	14	24	NO	
626	276305	448474	66	M	A+	4-2-2018 5:10 PM	4-5-2018 12:00 AM	4-9-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	7	25	NO	
627	276289	448214	54	M	A+	4-2-2018 5:13 PM	4-9-2018 12:00 AM	4-16-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	0	14	14	NO	
628	276306	338109	49	F	O+	4-2-2018 5:17 PM	4-9-2018 12:00 AM	4-16-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	14	25	NO	
629	276559	448959	36	M	B+	4-9-2018 4:47 PM	4-10-2018 12:00 AM	4-16-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	7	18	NO	
630	276796	448225	62	M	O+	4-16-2018 4:52 PM	4-19-2018 12:00 AM	5-9-2018 11:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	23	309	NO	
631	276918	449885	32	F	O-	4-19-2018 4:31 PM	4-23-2018 12:00 AM	4-30-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	28	NO	
632	277070	449187	55	F	O											

647	279526	294684	43	M	A+	7-2-2018 4:09 PM	7-10-2018 12:00 AM	7-12-2018 5:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	1	0	10	24	NO	
648	279676	424451	44	M	O+	7-5-2018 5:34 PM	7-10-2018 12:00 AM	7-14-2018 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	1	0	9	48	NO	
649	279811	403034	35	M	O+	7-9-2018 6:15 PM	7-16-2018 12:00 AM	7-23-2018 3:26 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	14	50	NO	
650	280080	443897	31	M	O+	7-16-2018 5:35 PM	7-23-2018 12:00 AM	7-30-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	14	55	NO	
651	280058	454397	49	F	O+	7-16-2018 5:54 PM	7-17-2018 12:00 AM	7-31-2018 4:00 AM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	0	15	216	NO	
652	280334	453652	61	F	O+	7-23-2018 4:39 PM	7-27-2018 12:00 AM	8-6-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	14	62	NO	
653	280340	454785	63	M	O-	7-23-2018 4:59 PM	7-30-2018 12:00 AM	8-6-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	0	0	14	52	NO	
654	280592	9409042	55	M	B+	7-30-2018 4:46 PM	8-3-2018 12:00 AM	8-9-2018 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	1	0	10	89	NO	
655	280584	342788	37	M	O+	7-30-2018 5:03 PM	7-31-2018 12:00 AM	8-6-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	0	0	7	31	NO	
656	280824	430451	41	F	AB+	8-6-2018 5:32 PM	8-17-2018 12:00 AM	8-23-2018 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	17	71	NO	
657	281463	314214	39	M	O+	8-29-2018 2:18 PM	8-31-2018 12:00 AM	9-3-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	4	0	5	0	NO	
658	281569	292951	38	F	B+	9-1-2018 11:56 AM	9-4-2018 12:00 AM	9-13-2018 3:00 PM	MALIGNANT NEOPLASM OF UNSPECIFIED OPTIC NERVE	CRANIOTOMY EXCISION GLIOMA	2	1	12	35	NO	
659	281625	242901	22	F	A+	9-3-2018 10:33 AM	9-4-2018 12:00 AM	9-10-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN STEM	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	7	41	NO	
660	281666	455745	50	F	O+	9-3-2018 6:08 PM	9-5-2018 12:00 AM	9-10-2018 4:00 PM	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA	0	0	7	24	NO	
661	281637	456250	74	M	O+	9-3-2018 6:43 PM	9-4-2018 12:00 AM	9-19-2018 11:00 AM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	0	16	111	NO	
662	282377	455026	44	M	O+	9-24-2018 5:12 PM	9-25-2018 12:00 AM	10-1-2018 6:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	20	NO	
663	282459	413696	27	M	A+	9-26-2018 4:08 PM	10-8-2018 12:00 AM	10-11-2018 4:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	15	22	NO	
664	282496	9901228	37	M	AB+	9-27-2018 5:26 PM	10-1-2018 12:00 AM	10-11-2018 4:15 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	14	89	NO	
665	282652	9800591	61	M	A+	10-1-2018 5:21 PM	10-4-2018 12:00 AM	10-8-2018 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	3	0	7	23	NO	
666	282634	377861	31	M	A+	10-1-2018 5:28 PM	10-9-2018 12:00 AM	10-11-2018 4:00 PM	GANGLIOGLIOMA	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	10	25	NO	
667	282886	458398	64	F	AB+	10-8-2018 4:38 PM	10-11-2018 12:00 AM	10-22-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	LOBECTOMY TEMPORAL	0	0	14	93	NO	
668	282888	458414	36	M	B+	10-8-2018 4:57 PM	10-12-2018 12:00 AM	10-22-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	14	68	NO	
669	282891	451837	18	M	B+	10-8-2018 5:00 PM	10-12-2018 12:00 AM	10-15-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	29	NO	
670	282887	330884	35	M	O+	10-8-2018 5:13 PM	10-10-2018 12:00 AM	10-15-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	2	7	36	NO	
671	282964	452269	44	M	B+	10-10-2018 2:09 PM	10-15-2018 12:00 AM	10-22-2018 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	12	32	NO	
672	283155	348652	50	M	AB+	10-15-2018 5:48 PM	10-16-2018 12:00 AM	10-22-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	7	17	NO	
673	284071	457765	51	F	O+	11-12-2018 3:46 PM	11-15-2018 12:00 AM	11-19-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	7	23	NO	
674	284204	258755	54	M	A+	11-15-2018 6:10 PM	11-21-2018 12:00 AM	11-26-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	11	20	NO	
675	284326	453434	27	F	A+	11-19-2018 5:02 PM	11-26-2018 12:00 AM	11-29-2018 3:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION GLIOMA	1	0	10	63	NO	
676	284335	458983	38	F	B+	11-19-2018 6:33 PM	11-22-2018 12:00 AM	11-26-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	17	NO	
677	284873	460915	66	M	A+	12-4-2018 5:51 PM	12-6-2018 12:00 AM	12-11-2018 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION GLIOMA	1	0	7	26	NO	
678	284955	461344	70	F	O+	12-6-2018 4:25 PM	12-10-2018 12:00 AM	12-18-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	12	148	NO	
679	285221	458205	46	M	A+	12-14-2018 2:45 PM	12-15-2018 12:00 AM	12-22-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	8	70	NO	
680	285337	449793	24	M	O+	12-17-2018 4:45 PM	12-21-2018 12:00 AM	12-31-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	14	3	NO	
681	285861	450981	44	M	AB+	1-2-2019 4:46 PM	1-8-2019 12:00 AM	1-15-2019 2:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	13	22	NO	
682	286061	461533	71	M	O+	1-7-2019 6:39 PM	1-9-2019 12:00 AM	1-14-2019 2:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	1	7	21	NO	
683	286163	462866	44	F	B-	1-10-2019 5:35 PM	1-14-2019 12:00 AM	1-21-2019 3:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	38	NO	
684	286657	456506	40	M	AB+	1-24-2019 4:56 PM	2-1-2019 12:00 AM	2-7-2019 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	14	74	NO	
685	287037	453811	37	M	B+	2-4-2019 6:31 PM	2-7-2019 12:00 AM	2-11-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	7	22	NO	
686	287036	459314	29	M	O+	2-4-2019 6:51 PM	2-6-2019 12:00 AM	2-11-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	23	NO	
687	287570	457645	44	F	O+	2-19-2019 5:57 PM	2-23-2019 12:00 AM	2-28-2019 3:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	2	9	70	NO	
688	287601	465475	50	F	B+	2-21-2019 5:01 PM	2-26-2019 12:00 AM	3-5-2019 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	12	23	NO	
689	287722	458986	47	M	O+	2-25-2019 5:41 PM	2-28-2019 12:00 AM	3-5-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	8	3	NO	
690	287781	464503	34	M	A+	2-26-2019 4:01 PM	3-12-2019 12:00 AM	3-19-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	21	18	NO	
691	287973	458834	54	F	B+	3-5-2019 4:40 PM	3-11-2019 12:00 AM	3-19-2019 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	1	14	19	NO	
692	287976	423019	33	M	O+	3-5-2019 4:53 PM	3-8-2019 12:00 AM	3-13-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	3	3	8	66	NO	
693	287985	465612	62	M	B+	3-5-2019 5:19 PM	3-11-2019 12:00 AM	3-19-2019 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	14	15	NO	
694	287980	374726	38	F	B+	3-5-2019 5:24 PM	3-13-2019 12:00 AM	3-19-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	1	0	14	19	NO	
695	288063	455542	58	F	A+	3-7-2019 4:45 PM	3-18-2019 12:00 AM	4-29-2019 3:00 PM	MALIGNANT NEOPLASM OF CEREBELLUM	CRANIOTOMY EXCISION GLIOMA	7	3	53	831	NO	
696	288470	463326	44	F	B+	3-18-2019 5:46 PM	3-25-2019 12:00 AM	4-1-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	3	0	14	20	NO	
697	288466	458224	40	F	A+	3-18-2019 6:20 PM	3-26-2019 12:00 AM	4-2-2019 6:00 AM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	5	4	15	139	YES	
698	288599	328308	51	F	O+	3-21-2019 5:03 PM	3-25-2019 12:00 AM	4-1-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	11	28	NO	
699	288641	467187	68	M	O+	3-22-2019 1:20 PM	3-29-2019 12:00 AM	4-17-2019 5:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	26	318	NO	
700	288735	399878	44	M	AB+	3-25-2019 6:15 PM	3-29-2019 12:00 AM	4-4-2019 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	10	50	NO	
701	288975	462732	37	F	AB+	4-1-2019 5:55 PM	4-8-2019 12:00 AM	4-16-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	15	17	NO	
702	289245	32366	41	F	O+	4-8-2019 4:59 PM	4-12-2019 12:00 AM	4-29-2019 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	4	0	21	44	NO	
703	289231	467842	61	F	AB-	4-8-2019 5:30 PM	4-12-2019 12:00 AM	4-17-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	9	21	NO	
704	289415	368720	26	M	B+	4-13-2019 5:19 PM	4-16-2019 12:00 AM	4-22-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	4	4	9	19	NO	
705	289509	234020	46	F	O+	4-19-2019	4-26-2019	5-2-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	3	1	13	65	NO	
706	289584	468378	50	F	B+	4-22-2019 3:21 PM	4-26-2019 12:00 AM	5-2-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	3	3	10	42	NO	
707	289595	468063	62	M	A+	4-22-2019 4:36 PM	4-24-2019 12:00 AM	4-29-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	7	21	NO	
708	289742	468583	66	M	O+	4-26-2019 3:20 PM	4-29-2019 12:00 AM	5-8-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	12	149	NO	
709	289834	468452	42	F	B+	4-29-2019 4:10 PM	5-6-2019 12:00 AM	5-9-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	10	16	NO	
710	289942	400793	32	M	A+	5-2-2019 4:56 PM	5-8-2019 12:00 AM	5-14-2019 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	12	27	NO	
711	290240	468561	41	F	B+	5-10-2019 3:33 PM	5-14-2019 12:00 AM	5-20-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	10	46	NO	
712	290441	469309	49	M	B+	5-16-2019 2:36 PM	5-20-2019 12:00 AM	6-3-2019 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	18	98	NO	
713	290589	432449	61	M	O+	5-20-2019 3:46 PM	5-22-2019 12:00 AM	5-27-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	7	22	NO	
714	290588	468714	51	F	O+	5-20-2019 5:24 PM	5-28-2019 12:00 AM	5-30-2019 5:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	10	26	NO	
715	290599	352097	49	M	B+	5-20-2019 5:40 PM	5-23-2019 12:00 AM									

729	293294	473721	39	F	AB+	8-5-2019 6:17 PM	8-6-2019 12:00 AM	8-12-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	24	NO	
730	293755	466567	34	M	O+	8-19-2019 5:59 PM	8-26-2019 12:00 AM	8-29-2019 4:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY LOBECTOMY FRONTAL	1	0	10	33	NO	
731	293966	474591	57	M	O+	8-26-2019 3:06 PM	8-28-2019 12:00 AM	9-7-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	12	32	NO	
732	294092	475104	47	M	A+	8-29-2019 5:01 PM	9-2-2019 12:00 AM	9-7-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	57	NO	
733	294211	449885	34	F	O-	9-2-2019 5:34 PM	9-12-2019 12:00 AM	9-19-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	RE-EXPLORATION BRAIN	2	0	17	89	NO	
734	294215	474549	28	M	O+	9-2-2019 5:52 PM	9-4-2019 12:00 AM	9-10-2019 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	8	30	NO	
735	294296	471361	19	M	AB+	9-4-2019 3:04 PM	9-6-2019 12:00 AM	9-12-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	RE-EXPLORATION BRAIN	2	0	8	51	NO	
736	294478	467107	36	F	O+	9-16-2019 5:15 PM	9-18-2019 12:00 AM	9-24-2019 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	8	129	NO	
737	294484	278064	18	F	O+	9-16-2019 7:39 PM	9-18-2019 12:00 AM	9-23-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	7	34	NO	
738	294633	473279	60	M	O+	9-19-2019 5:42 PM	9-23-2019 12:00 AM	9-30-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	11	59	NO	
739	294768	475879	69	F	B+	9-23-2019 4:42 PM	9-24-2019 12:00 AM	10-4-2019 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION GLIOMA	4	0	11	21	NO	
740	294770	424834	28	F	A+	9-23-2019 5:27 PM	10-1-2019 12:00 AM	10-4-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	11	3	NO	
741	294800	475718	47	F	O+	9-24-2019 2:26 PM	9-30-2019 12:00 AM	10-4-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	2	10	28	NO	
742	295016	468727	20	M	B+	9-30-2019 5:28 PM	10-1-2019 12:00 AM	10-4-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	4	29	NO	
743	295009	476293	60	M	B+	9-30-2019 5:50 PM	10-3-2019 12:00 AM	10-9-2019 6:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	9	38	NO	
744	295340	477123	40	F	A+	10-11-2019 5:13 PM	10-14-2019 12:00 AM	10-21-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	10	96	NO	
745	295440	476837	38	F	O+	10-14-2019 3:40 PM	10-21-2019 12:00 AM	10-24-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	10	55	NO	
746	295414	340475	30	M	A+	10-14-2019 4:59 PM	10-21-2019 12:00 AM	10-28-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	4	0	14	60	YES	
747	295427	468573	30	M	B+	10-14-2019 6:01 PM	10-16-2019 12:00 AM	10-24-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	10	25	NO	
748	295699	476821	43	F	B+	10-21-2019 5:10 PM	10-29-2019 12:00 AM	11-4-2019 5:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	14	25	YES	
749	295423	476387	43	F	A-	10-21-2019 5:41 PM	10-28-2019 12:00 AM	11-7-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	17	59	NO	
750	295834	476453	61	F	B+	10-24-2019 4:54 PM	10-28-2019 12:00 AM	11-4-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	11	37	NO	
751	296024	478179	57	F	O-	10-30-2019 2:20 PM	11-4-2019 12:00 AM	11-11-2019 4:32 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION GLIOMA	1	1	12	16	NO	
752	296068	477895	60	M	B-	10-31-2019 3:27 PM	11-1-2019 12:00 AM	11-14-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	14	68	NO	
753	296439	422748	48	M	O+	11-11-2019 3:15 PM	11-25-2019 12:00 AM	12-5-2019 3:15 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	24	16	NO	
754	296556	238746	48	M	B+	11-14-2019 2:59 PM	11-18-2019 12:00 AM	11-28-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	14	32	NO	
755	296604	477301	22	F	B+	11-15-2019 4:05 PM	11-22-2019 12:00 AM	12-2-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	3	2	17	65	NO	
756	296931	477385	61	M	B-	11-25-2019 6:01 PM	11-28-2019 12:00 AM	12-23-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	3	28	28	NO	
757	297175	471820	43	M	O+	12-2-2019 6:08 PM	12-9-2019 12:00 AM	12-16-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	14	18	NO	
758	297422	479134	25	M	A+	12-9-2019 3:18 PM	12-18-2020 12:00 AM	1-27-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN STEM	CRANIOTOMY EXCISION GLIOMA	4	0	49	168	NO	
759	297845	471995	34	F	AB-	12-23-2019 4:23 PM	12-26-2019 12:00 AM	12-30-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	7	0	NO	
760	298036	290623	40	F	A+	12-30-2019 4:07 PM	1-6-2020 12:00 AM	1-13-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	1	14	60	NO	
761	298050	479383	23	M	A+	12-30-2019 4:12 PM	1-7-2020 12:00 AM	1-13-2020 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	14	19	NO	
762	298284	480866	30	F	A+	1-6-2020 2:40 PM	1-10-2020 12:00 AM	1-21-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	5	3	15	115	NO	
763	298644	479690	34	F	O+	1-16-2020 4:11 PM	1-20-2020 12:00 AM	1-30-2020 6:35 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	14	47	YES	
764	298969	470482	37	M	AB+	1-25-2020 1:41 PM	1-30-2020 12:00 AM	2-6-2020 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	12	134	NO	
765	299150	480033	41	F	B+	1-30-2020 2:41 PM	2-4-2020 12:00 AM	3-12-2020 4:17 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	CRANIOTOMY EXCISION GLIOMA	4	2	42	529	NO	
766	299255	482133	43	F	O+	2-3-2020 4:26 PM	2-5-2020 12:00 AM	2-10-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION GLIOMA	3	0	7	0	NO	
767	299398	482279	45	M	B+	2-6-2020 5:25 PM	2-11-2020 12:00 AM	2-17-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	1	11	27	NO	
768	299390	362693	36	M	O+	2-6-2020 5:32 PM	2-10-2020 12:00 AM	2-24-2020 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	1	0	18	43	NO	
769	299386	483088	44	F	O+	2-6-2020 6:12 PM	2-13-2020 12:00 AM	2-17-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	LOBECTOMY BRAIN	2	2	11	32	NO	
770	299495	355564	32	M	A+	2-10-2020 3:01 PM	2-14-2020 12:00 AM	2-20-2020 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	0	10	82	NO	
771	299618	482283	20	F	B+	2-13-2020 3:06 PM	2-20-2020 12:00 AM	3-11-2020 4:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	CRANIOTOMY DECOMPRESSION GLIOMA	3	2	27	260	YES	
772	299977	333030	44	M	O+	2-24-2020 5:41 PM	2-26-2020 12:00 AM	3-12-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	RE-EXPLORATION BRAIN	1	0	17	19	NO	
773	300324	484387	51	M	A+	3-4-2020 5:17 PM	3-10-2020 12:00 AM	3-16-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	12	39	NO	
774	300912	485161	30	F	O+	5-8-2020 2:46 PM	5-14-2020 12:00 AM	5-21-2020 4:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	CRANIOTOMY EXCISION GLIOMA	2	0	13	90	NO	
775	300946	484976	53	M	A+	5-11-2020 2:39 PM	5-14-2020 12:00 AM	5-21-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	10	21	NO	
776	301345	484426	54	M	O+	6-4-2020 6:27 PM	6-9-2020 12:00 AM	6-22-2020 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	18	44	NO	
777	301805	298828	44	F	O+	6-29-2020 3:49 PM	7-7-2020 12:00 AM	7-13-2020 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	14	19	NO	
778	301871	486020	31	M	O+	7-2-2020 3:46 PM	7-7-2020 12:00 AM	7-13-2020 6:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	22	NO	
779	301948	485935	34	M	O+	7-6-2020 3:13 PM	7-14-2020 12:00 AM	8-24-2020 4:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	4	2	49	335	NO	
780	301947	482419	36	M	B+	7-6-2020 3:14 PM	7-13-2020 12:00 AM	7-21-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	15	23	NO	
781	301968	484027	26	F	O+	7-8-2020 2:50 PM	7-16-2020 12:00 AM	7-21-2020 4:00 PM	GANGLIOGLIOMA	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	13	17	NO	
782	302034	486547	20	M	AB+	7-13-2020 4:16 PM	7-29-2020 12:00 AM	8-4-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	22	114	NO	
783	302177	486308	58	M	O+	7-30-2020 3:01 PM	8-6-2020 12:00 AM	8-24-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	5	4	25	304	NO	
784	302192	467009	22	M	B+	8-3-2020 3:33 PM	8-11-2020 12:00 AM	8-13-2020 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	10	20	NO	
785	302201	419813	36	M	O+	8-4-2020 3:13 PM	8-13-2020 12:00 AM	8-17-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	13	23	NO	
786	302254	487219	56	M	O+	8-10-2020 6:58 PM	8-14-2020 12:00 AM	8-19-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	2	9	69	NO	
787	302354	486902	40	M	B-	8-18-2020 3:21 PM	8-27-2020 12:00 AM	9-3-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	16	0	NO	
788	302459	487303	66	M	A-	8-24-2020 4:29 PM	9-4-2020 12:00 AM	9-22-2020 5:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY LOBECTOMY TEMPORAL	5	4	29	428	NO	
789	302556	487272	60	M	B+	9-3-2020 4:03 PM	9-8-2020 12:00 AM	9-14-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	11	35	NO	
790	302557	486762	38	M	A+	9-3-2020 4:14 PM	9-9-2020 12:00 AM	9-14-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	2	0	11	43	NO	
791	302637	486060	20	M	O+	9-8-2020 3:38 PM	9-14-2020 12:00 AM	9-16-2020 3:00 PM	MALIGNANT NEOPLASM OF PARIETAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	8	26	NO	
792	303295	488313	30	F	A+	10-19-2020 3:39 PM	10-21-2020 12:00 AM	10-27-2020 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	8	43	NO	
793	303418	487336	53	M	AB+	10-27-2020 4:06 PM	10-28-2020 12:00 AM	10-31-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	4	21	NO	
794	303703	489928	28	F	B+	11-10-2020 2:58 PM	11-13-2020 12:00 AM	11-19-2020 7:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	1	9	68	NO	
795	303741	487902	48	M	O+	11-11-2020 3:38 PM	11-16-2020 12:00 AM	11-24-2020 5:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION GLIOMA	2	0	13	71	NO	
796	303942	489071	56	M	O+	11-23-2020 3:46 PM	11-27-2020 12:00 AM	11-30-2020 6:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	0	7	30	NO	
797	303965	490596														

811	305373	359459	56	F	B+	1-18-2021 3:54 PM	1-25-2021 12:00 AM	1-28-2021 5:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	10	63	NO	
812	305491	489572	34	M	O+	1-21-2021 3:33 PM	2-1-2021 12:00 AM	2-4-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	14	19	NO	
813	305516	489561	39	M	O+	1-22-2021 3:39 PM	2-2-2021 12:00 AM	2-4-2021 5:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	13	28	NO	
814	305624	491737	51	F	A+	1-26-2021 1:40 PM	2-1-2021 12:00 AM	2-4-2021 5:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	3	0	9	46	NO	
815	305708	493427	49	F	A+	1-29-2021 3:17 PM	2-1-2021 12:00 AM	2-5-2021 4:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	90	NO	
816	305879	489009	34	F	B+	2-4-2021 3:39 PM	2-9-2021 12:00 AM	2-12-2021 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	8	15	NO	
817	306003	493702	68	F	A+	2-8-2021 4:16 PM	2-12-2021 12:00 AM	2-15-2021 2:30 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	2	7	70	NO	
818	306128	490947	44	M	B+	2-11-2021 3:40 PM	2-18-2021 12:00 AM	2-23-2021 4:45 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	12	0	NO	
819	306230	491190	23	F	AB+	2-15-2021 3:46 PM	2-23-2021 12:00 AM	3-1-2021 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	14	3	NO	
820	306233	489268	59	M	O+	2-15-2021 5:05 PM	2-24-2021 12:00 AM	3-1-2021 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	4	2	14	15	NO	
821	306457	492877	65	M	O+	2-23-2021 1:16 PM	2-25-2021 12:00 AM	3-1-2021 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	1	6	4	NO	
822	306485	495072	27	M	B+	2-23-2021 4:56 PM	2-26-2021 12:00 AM	3-2-2021 5:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	6	NO	
823	306642	495143	46	F	O+	3-2-2021 12:03 PM	3-2-2021 12:00 AM	3-10-2021 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	0	0	8	135	NO	
824	306658	493723	50	F	B+	3-2-2021 3:32 PM	3-4-2021 12:00 AM	3-8-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	6	20	NO	
825	306698	494404	29	M	O+	3-3-2021 3:43 PM	3-10-2021 12:00 AM	3-15-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	0	12	60	NO	
826	306773	443068	41	F	A+	3-5-2021 4:39 PM	3-15-2021 12:00 AM	3-19-2021 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	4	3	14	24	NO	
827	306851	492871	25	M	O+	3-8-2021 4:10 PM	3-15-2021 12:00 AM	3-17-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	19	NO	
828	306849	489231	26	F	A+	3-8-2021 4:21 PM	3-16-2021 12:00 AM	4-5-2021 4:45 PM	GANGLIOGLIOMA	CRANIOTOMY EXCISION GLIOMA	2	1	28	377	NO	
829	306882	491310	53	M	A+	3-9-2021 4:27 PM	3-18-2021 12:00 AM	3-22-2021 2:30 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	13	21	NO	
830	306968	495434	49	F	O+	3-12-2021 4:53 PM	3-19-2021 12:00 AM	3-23-2021 6:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	11	64	NO	
831	307043	308655	40	F	O+	3-15-2021 3:05 PM	3-22-2021 12:00 AM	3-26-2021 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	1	11	17	NO	
832	307102	249427	45	F	O+	3-16-2021 6:03 PM	3-22-2021 12:00 AM	3-25-2021 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	9	29	NO	
833	307499	496008	48	M	O+	3-29-2021 5:34 PM	3-31-2021 12:00 AM	4-15-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	4	1	17	167	NO	
834	307701	496518	57	M	O+	4-7-2021 3:28 PM	4-13-2021 12:00 AM	4-16-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	43	NO	
835	307856	496842	50	M	B+	4-12-2021 5:41 PM	4-19-2021 12:00 AM	4-23-2021 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	17	NO	
836	307867	491374	27	M	A+	4-13-2021 4:27 PM	4-20-2021 12:00 AM	4-25-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	12	20	NO	
837	308093	491965	32	M	O+	4-22-2021 2:47 PM	4-27-2021 12:00 AM	5-4-2021 4:00 PM	FRONTAL LOBE AND EXECUTIVE FUNCTION DEFICIT	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	0	12	55	NO	
838	308170	495414	32	M	A+	4-26-2021 3:26 PM	4-28-2021 12:00 AM	5-7-2021 5:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	1	11	50	NO	
839	308194	496097	58	F	B+	4-27-2021 2:21 PM	4-30-2021 12:00 AM	5-7-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	10	90	NO	
840	308336	493413	27	M	A+	5-6-2021 3:00 PM	5-17-2021 12:00 AM	5-25-2021 4:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	19	164	NO	
841	308376	498232	27	M	B+	5-9-2021 2:25 PM	5-11-2021 12:00 AM	5-15-2021 4:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	6	106	NO	
842	308632	498520	31	M	O+	5-26-2021 4:13 PM	5-28-2021 12:00 AM	5-31-2021 3:30 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	0	5	19	NO	
843	308668	496649	30	F	O+	5-28-2021 3:14 PM	5-31-2021 12:00 AM	6-2-2021 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	3	0	5	20	NO	
844	308669	498021	54	F	B+	5-28-2021 4:04 PM	5-31-2021 12:00 AM	6-7-2021 6:30 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	3	2	10	108	NO	
845	308775	498061	56	F	B+	6-3-2021 4:48 PM	6-7-2021 12:00 AM	6-10-2021 5:00 PM	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	7	23	NO	
846	308809	498162	55	F	A+	6-5-2021 3:34 PM	6-7-2021 12:00 AM	6-14-2021 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	26	NO	
847	308933	499127	54	M	O+	6-11-2021 2:55 PM	6-18-2021 12:00 AM	6-22-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	114	NO	
848	308934	499030	57	M	O+	6-11-2021 3:12 PM	6-14-2021 12:00 AM	6-18-2021 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	7	38	NO	
849	309063	499133	27	M	B+	6-16-2021 4:14 PM	6-18-2021 12:00 AM	7-12-2021 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	3	3	26	79	NO	
850	309080	498770	32	F	B+	6-17-2021 3:53 PM	6-23-2021 12:00 AM	6-26-2021 4:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	1	9	18	NO	
851	309083	240922	41	F	O+	6-17-2021 4:14 PM	6-23-2021 12:00 AM	6-28-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	11	18	NO	
852	309190	498769	51	M	B+	6-22-2021 3:22 PM	6-28-2021 12:00 AM	7-1-2021 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	20	NO	
853	309332	330884	38	M	O+	6-28-2021 3:21 PM	7-1-2021 12:00 AM	7-13-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA REEXPLORATION	2	0	15	20	NO	
854	309450	499001	64	F	O+	7-1-2021 8:52 PM	7-5-2021 12:00 AM	7-12-2021 3:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	3	1	11	45	NO	
855	309717	498565	26	F	A+	7-12-2021 4:30 PM	7-15-2021 12:00 AM	7-17-2021 1:40 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	2	5	44	NO	
856	309914	499758	27	F	AB+	7-19-2021 4:48 PM	7-23-2021 12:00 AM	7-29-2021 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	3	10	83	NO	
857	309968	500100	52	M	O+	7-21-2021 4:00 PM	7-22-2021 12:00 AM	7-26-2021 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	1	0	5	21	NO	
858	310336	500393	38	M	A+	8-3-2021 6:01 PM	8-9-2021 12:00 AM	8-18-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	4	0	15	22	NO	
859	310353	499823	32	F	O+	8-4-2021 5:16 PM	8-11-2021 12:00 AM	8-18-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION GLIOMA	1	0	14	21	NO	
860	310417	499495	60	M	B+	8-6-2021 4:56 PM	8-10-2021 12:00 AM	8-16-2021 12:00 AM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	3	0	10	15	NO	
861	310434	500463	35	F	O+	8-7-2021 2:47 PM	8-11-2021 12:00 AM	8-16-2021 5:00 PM	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA	3	0	9	18	NO	
862	310489	501305	27	M	O+	8-9-2021 4:10 PM	8-13-2021 12:00 AM	8-18-2021 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	71	NO	
863	310490	501322	48	F	O+	8-9-2021 5:14 PM	8-5-2021 12:00 AM	8-17-2021 5:00 PM	SECONDARY MALIGNANT NEOPLASM OF BRAIN	CRANIECTOMY AND DECOMPRESSION OF GLIOMA	2	1	8	27	NO	
864	310487	493500	23	M	B+	8-9-2021 5:23 PM	8-12-2021 12:00 AM	8-14-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	5	6	NO	
865	310646	501145	45	M	B+	8-13-2021 3:42 PM	8-18-2021 12:00 AM	8-23-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	10	20	NO	
866	310712	501757	5	M	O+	8-16-2021 4:07 PM	8-25-2021 12:00 AM	8-31-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	4	3	15	19	NO	
867	310867	500405	32	M	O-	8-24-2021 4:06 PM	8-31-2021 12:00 AM	9-2-2021 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	9	27	NO	
868	310869	501473	55	M	A+	8-24-2021 4:51 PM	8-25-2021 12:00 AM	8-31-2021 4:40 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	1	7	141	NO	
869	310870	500925	31	M	O+	8-24-2021 4:57 PM	8-26-2021 12:00 AM	8-30-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	6	24	NO	
870	310938	501628	35	M	O+	8-25-2021 3:37 PM	9-1-2021 12:00 AM	9-6-2021 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	12	21	NO	
871	311107	361913	35	F	B+	9-1-2021 6:50 PM	9-7-2021 12:00 AM	9-10-2021 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION GLIOMA	3	0	9	11	NO	
872	311422	502322	40	M	O+	9-13-2021 4:39 PM	9-22-2021 12:00 AM	9-26-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	13	12	NO	
873	311494	502655	74	M	A+	9-15-2021 3:57 PM	9-23-2021 12:00 AM	10-1-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	16	95	NO	
874	311673	502599	58	M	O+	9-21-2021 3:17 PM	9-29-2021 12:00 AM	10-4-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	13	20	NO	
875	311824	494657	29	F	O+	9-26-2021 3:02 PM	9-30-2021 12:00 AM	10-5-2021 5:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION GLIOMA	1	0	9	20	NO	
876	273895	445247	65	M	A+	1-22-2018 3:41 PM	1-24-2018 12:00 AM	2-6-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	4	2	15	163	NO	
877	273893	440579	44	F	O+	1-22-2018 5:13 PM	1-30-2018 12:00 AM	2-6-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	4	3	15	22	NO	
878	274209	444118	28	M	B+	2-1-2018 5:35 PM	2-6-2018 12:00 AM	2-12-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY LOBECTOMY TEMPORAL	2	0	11	0	NO	
879	274214	442229	41	M	O+	2-1-2018 6:04 PM	2-5-2018 12:00 AM									

893	277540	448958	37	M	A+	5-7-2018 6:18 PM	5-15-2018 12:00 AM	5-17-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY LOBECTOMY FRONTAL	1	0	10	21	NO	
894	278083	450399	36	F	A+	5-22-2018 5:52 PM	5-29-2018 12:00 AM	6-4-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	3	0	13	20	NO	
895	279056	453011	31	M	B+	6-18-2018 5:49 PM	6-20-2018 12:00 AM	6-25-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	1	1	7	38	NO	
896	279258	443925	43	M	AB+	6-25-2018 4:36 PM	7-2-2018 12:00 AM	7-5-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	1	0	10	21	NO	
897	279527	9902926	59	M	O+	7-2-2018 4:37 PM	7-6-2018 12:00 AM	7-10-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	2	0	8	74	NO	
898	279673	298575	36	M	B-	7-5-2018 5:07 PM	7-9-2018 12:00 AM	7-16-2018 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	1	0	11	20	NO	
899	279809	453987	65	M	A+	7-9-2018 4:10 PM	7-19-2018 12:00 AM	7-23-2018 3:45 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	0	0	14	23	NO	
900	280322	449044	35	M	B+	7-23-2018 5:36 PM	7-25-2018 12:00 AM	8-4-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY LOBECTOMY TEMPORAL	0	0	12	83	NO	
901	280406	454867	20	F	O+	7-25-2018 3:41 PM	7-30-2018 12:00 AM	8-4-2018 2:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY LOBECTOMY FRONTAL	0	0	10	18	NO	
902	280448	263322	60	M	O+	7-26-2018 4:40 PM	7-30-2018 12:00 AM	8-20-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	1	0	25	303	NO	
903	280691	454363	58	M	A+	8-2-2018 5:29 PM	8-6-2018 12:00 AM	8-13-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION MASS BRAIN	1	0	11	52	NO	
904	280844	449363	49	F	O+	8-6-2018 5:36 PM	8-13-2018 12:00 AM	8-27-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	3	0	21	186	NO	
905	281069	455571	39	M	A+	8-13-2018 4:09 PM	8-20-2018 12:00 AM	8-23-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIECTOMY EXCISION OF TUMOUR BRAIN	1	0	10	28	NO	
906	281908	445112	41	M	AB+	9-10-2018 5:04 PM	9-13-2018 12:00 AM	9-17-2018 3:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION MASS BRAIN	2	0	7	17	NO	
907	283912	457560	51	F	B+	11-7-2018 2:49 PM	11-13-2018 12:00 AM	11-19-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIECTOMY EXCISION OF TUMOUR BRAIN	2	0	12	15	NO	
908	283949	459784	55	F	O+	11-8-2018 4:17 PM	11-12-2018 12:00 AM	11-15-2018 4:00 PM	SECONDARY MALIGNANT NEOPLASM OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	2	0	7	24	NO	
909	284203	460312	45	M	B+	11-15-2018 6:10 PM	11-16-2018 12:00 AM	11-23-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY EXCISION OF TUMOUR BRAIN	1	0	8	57	NO	
910	284327	9607703	63	F	A-	11-19-2018 5:19 PM	11-26-2018 12:00 AM	12-3-2018 1:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY EXCISION OF TUMOUR BRAIN	3	1	14	50	NO	
911	285079	454249	27	M	O+	12-10-2018 5:18 PM	12-18-2018 12:00 AM	12-21-2018 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY DECOMPRESSION MASS BRAIN	1	0	11	24	NO	
912	285859	461695	46	F	O+	1-2-2019 4:22 PM	1-7-2019 12:00 AM	1-14-2019 3:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	3	1	12	42	NO	
913	286165	456446	28	F	O+	1-10-2019 6:08 PM	1-15-2019 12:00 AM	1-21-2019 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION TUMOUR VENTRICULAR	1	0	11	25	NO	
914	286337	443959	54	M	B+	1-15-2019 4:36 PM	1-17-2019 12:00 AM	1-21-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	1	0	6	24	NO	
915	286407	460152	40	M	O+	1-17-2019 4:21 PM	1-21-2019 12:00 AM	2-4-2019 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY EXCISION MASS BRAIN	3	0	18	44	NO	
916	286404	460907	56	M	B+	1-17-2019 4:57 PM	1-24-2019 12:00 AM	1-28-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION LESION BRAIN	2	0	11	13	NO	
917	286530	455953	32	M	A+	1-21-2019 4:40 PM	1-24-2019 12:00 AM	1-31-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY LOBECTOMY DECOMPRESSION TUMOUR	2	0	10	48	NO	
918	286659	462801	54	M	O+	1-24-2019 5:36 PM	1-31-2019 12:00 AM	2-4-2019 3:30 PM	MALIGNANT (PRIMARY) NEOPLASM, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	1	0	11	23	NO	
919	286658	463487	32	F	A+	1-24-2019 5:51 PM	1-28-2019 12:00 AM	1-31-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	2	0	7	24	NO	
920	286892	417264	38	M	O-	1-31-2019 5:27 PM	2-8-2019 12:00 AM	2-14-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	2	0	14	75	NO	
921	287251	226515	21	M	O+	2-11-2019 5:34 PM	2-13-2019 12:00 AM	2-18-2019 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	1	0	7	7	NO	
922	288026	466155	46	F	B+	3-6-2019 3:41 PM	3-8-2019 12:00 AM	3-19-2019 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	2	1	13	65	NO	
923	288465	463139	60	F	B+	3-18-2019 5:33 PM	3-20-2019 12:00 AM	3-28-2019 3:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY EXCISION LESION BRAIN	4	2	10	37	NO	
924	288739	459486	45	M	B+	3-25-2019 6:15 PM	3-28-2019 12:00 AM	4-8-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	LAMINECTOMY DECOMPRESSION OF TUMOUR	2	0	14	97	NO	
925	288973	467099	36	M	B+	4-1-2019 4:31 PM	4-5-2019 12:00 AM	4-11-2019 3:30 PM	SECONDARY MALIGNANT NEOPLASM OF BRAIN AND CEREBRAL MENINGES	CRANIOTOMY EXCISION LESION BRAIN	2	0	10	74	NO	
926	290602	467274	22	M	A+	5-20-2019 5:12 PM	5-27-2019 12:00 AM	6-3-2019 4:00 PM	GANGLIOGLIOMA	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	0	14	17	NO	
927	293430	289489	21	F	O+	8-8-2019 3:31 PM	8-19-2019 12:00 AM	8-22-2019 4:00 PM	GANGLIOGLIOMA	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	4	0	14	32	NO	
928	296446	476602	48	M	O+	11-11-2019 3:09 PM	11-14-2019 12:00 AM	11-22-2019 3:00 PM	GANGLIOGLIOMA	CRANIOTOMY DECOMPRESSION TUMOUR SKULL	2	0	11	17	NO	
929	299743	466616	25	M	B+	2-17-2020 3:26 PM	2-25-2020 12:00 AM	3-2-2020 3:00 PM	GANGLIOGLIOMA	CRANIOTOMY EXCISION LESION BRAIN	1	0	14	27	NO	
930	305588	489577	28	M	O+	1-25-2021 5:04 PM	2-3-2021 12:00 AM	2-5-2021 4:00 PM	GANGLIOGLIOMA	CRANIOTOMY EXCISION LESION BRAIN	2	0	11	4	NO	
931	294764	474516	62	M	O+	9-23-2019 5:24 PM	9-27-2019 12:00 AM	10-4-2019 4:00 PM	NON-HODGKIN LYMPHOMA, UNSPECIFIED, UNSPECIFIED SITE	CRANIOTOMY DECOMPRESSION GLIOMA	2	0	11	24	NO	
932	273207	441574	37	F	O+	1-3-2018 5:12 PM	1-12-2018 12:00 AM	1-12-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN		1	0	9	22	NO	
933	273769	439244	34	F	B+	1-18-2018 4:49 PM	1-22-2018 12:00 AM	1-24-2018 5:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED		0	0	6	19	NO	
934	274119	432756	49	M	B+	1-29-2018 6:11 PM	1-31-2018 12:00 AM	2-6-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	1	0	8	22	NO	
935	274479	446042	32	F	O+	2-8-2018 6:07 PM	2-14-2018 12:00 AM	2-19-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY LOBECTOMY FRONTAL	2	0	11	42	NO	
936	274609	446222	65	F	O+	2-12-2018 5:20 PM	2-26-2018 12:00 AM	3-5-2018 3:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	CRANIOTOMY EXCISION MASS BRAIN	4	3	21	69	NO	
937	274923	379856	23	F	A+	2-21-2018 3:14 PM	2-22-2018 12:00 AM	3-7-2018 4:00 PM	OTHER ENCEPHALITIS AND ENCEPHALOMYELITIS	CRANIOTOMY EXCISION LESION BRAIN	1	0	14	23	NO	
938	275612	434421	25	F	B+	3-13-2018 4:18 PM	3-20-2018 12:00 AM	3-22-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	SHUNT VENTRICULO PERITONEAL LEFT	2	1	9	24	NO	
939	276315	448050	55	M	A+	4-2-2018 4:50 PM	4-9-2018 12:00 AM	4-16-2018 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	6	1	14	9	NO	
940	278565	444067	57	M	O+	6-4-2018 4:43 PM	6-8-2018 12:00 AM	6-18-2018 3:00 PM	NEOPLASM OF UNSP BEHAVIOR OF BONE, SOFT TISSUE, AND SKIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	1	14	37	NO	
941	278569	441105	63	F	B+	6-4-2018 5:04 PM	6-7-2018 12:00 AM	6-11-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	5	2	7	23	NO	
942	278567	451976	63	F	AB+	6-4-2018 5:48 PM	6-5-2018 12:00 AM	6-11-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION TUMOUR ORBITAL	2	0	7	21	NO	
943	279948	444602	48	F	O+	7-12-2018 5:41 PM	7-23-2018 12:00 AM	7-26-2018 4:15 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION LESION BRAIN	0	0	14	51	NO	
944	280081	454294	24	F	B+	7-16-2018 4:54 PM	7-18-2018 12:00 AM	7-23-2018 3:20 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	2	0	7	16	NO	
945	281919	447545	25	F	A+	9-10-2018 4:41 PM	9-12-2018 12:00 AM	9-17-2018 1:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	1	0	7	19	NO	
946	282388	457501	45	F	B+	9-24-2018 5:52 PM	9-25-2018 12:00 AM	10-8-2018 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION MASS BRAIN	2	1	14	208	NO	
947	284153	451637	49	M	A+	11-14-2018 4:41 PM	11-19-2018 12:00 AM	11-23-2018 2:45 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	2	0	9	10	NO	
948	285168	461826	53	F	O+	12-12-2018 6:14 PM	12-17-2018 12:00 AM	12-20-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY LOBECTOMY TEMPORAL	2	0	8	47	NO	
949	285772	460529	55	F	B+	12-31-2018 5:27 PM	1-2-2019 12:00 AM	1-7-2019 6:00 PM	OTHER DISORDERS OF PITUITARY GLAND	CRANIOTOMY DECOMPRESSION MASS BRAIN	1	0	7	35	NO	
950	286784	461204	52	M	O+	1-28-2019 6:31 PM	2-4-2019 12:00 AM	2-13-2019 6:30 AM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	5	2	16	142	YES	
951	287989	464479	37	M	O+	3-5-2019 4:26 PM	3-12-2019 12:00 AM	3-19-2019 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	1	1	14	24	NO	
952	288851	465693	34	M	O+	3-28-2019 5:44 PM	4-2-2019 12:00 AM	4-8-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION TUMOUR VENTRICULAR	3	3	11	12	NO	
953	302405	487007	57	M	O+	8-20-2020 2:09 PM	8-21-2020 12:00 AM	8-24-2020 3:00 PM	SQUAMOUS CELL CARCINOMA OF SKIN, UNSPECIFIED	CRANIOTOMY EXCISION MASS BRAIN	3	1	4	71	NO	
954	310961	499405	54	M	O+	8-26-2021 4:15 PM	9-2-2021 12:00 AM	9-5-2021 11:30 PM	SECONDARY MALIGNANT NEOPLASM OF BRAIN	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	2	0	10	70	NO	
955	311372	500639	59	M	B+	9-11-2021 3:56 PM	9-13-2021 12:00 AM	9-17-2021 5:00 PM	MALIGNANT MELANOMA OF SKIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	3	2	6	53	NO	
956	275856	331087	45	F	A+	3-19-2018 5:13 PM	3-21-2018 12:00 AM	3-25-2018 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	3	0	6	27	NO	
957	278372	447625	37	M	O+	5-30-2018 12:30 PM	6-5-2018 12:00 AM	6-11-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	0	12	54	NO	
958	280017	454371	29	F	O+	7-14-2018 4:31 PM	7-17-2018 12:00 AM	7-23-2018 3:15 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION MASS BRAIN	0	0	9	67	NO	
959	284825	457140	51	M	O+	12-3-2018 6:21 PM	12-11-2018 12:00 AM	12-17-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION MASS BRAIN	3	0	14	56	NO	
960	285907	460679	60	F	B+	1-3-2019 4:29 PM	1-7-2019 12:00 AM	1-10-2019 5:00 PM	MALIGNANT NEOPLASM OF CEREBELLUM	CRANIOTOMY EXCISION LESION BRAIN	2	0	7	26	NO	
961	2862															

975	274925	435762	30	M	O+	2-21-2018 2:28 PM	2-27-2018 12:00 AM	3-5-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	12	20	NO	
976	275083	445436	35	F	O+	2-26-2018 4:45 PM	3-8-2018 12:00 AM	3-12-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	14	22	NO	
977	275088	433254	32	M	B+	2-26-2018 6:13 PM	3-9-2018 12:00 AM	3-15-2018 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	6	3	17	65	NO	
978	275129	445800	61	F	AB+	3-1-2018 3:04 PM	3-14-2018 12:00 AM	3-27-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	26	183	NO	
979	275338	444035	51	M	B+	3-5-2018 5:57 PM	3-13-2018 12:00 AM	3-19-2018 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	14	19	NO	
980	275851	447287	26	F	O+	3-19-2018 5:03 PM	3-27-2018 12:00 AM	4-5-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	4	4	17	15	NO	
981	275854	446516	52	M	B+	3-19-2018 5:10 PM	4-4-2018 12:00 AM	4-9-2018 3:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	4	0	21	37	NO	
982	276558	210477	40	F	O+	4-9-2018 5:05 PM	4-17-2018 12:00 AM	4-23-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	4	0	14	15	NO	
983	276792	443770	19	F	A+	4-16-2018 4:11 PM	4-24-2018 12:00 AM	5-11-2018 2:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	5	3	25	156	NO	
984	277056	412029	71	F	B+	4-23-2018 4:56 PM	5-2-2018 12:00 AM	5-7-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	2	14	18	NO	
985	277296	440850	25	F	O+	4-30-2018 4:18 PM	5-8-2018 12:00 AM	5-16-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	2	2	16	43	NO	
986	278184	450324	50	M	B-	5-24-2018 6:13 PM	5-28-2018 12:00 AM	5-31-2018 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	4	2	7	22	NO	
987	278305	425486	29	F	B-	5-28-2018 6:00 PM	6-1-2018 12:00 AM	6-7-2018 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	3	1	10	67	NO	
988	278575	8600200	60	M	B+	6-4-2018 5:29 PM	6-6-2018 12:00 AM	6-11-2018 4:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NERVOUS SYS OF ABD	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	7	20	NO	
989	278669	383501	47	F	O+	6-7-2018 5:05 PM	6-11-2018 12:00 AM	6-18-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	2	2	11	51	NO	
990	278911	438135	46	M	A+	6-20-2018 3:48 PM	6-27-2018 12:00 AM	7-13-2018 2:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	3	2	23	253	NO	
991	279663	448787	41	M	O+	7-5-2018 5:26 PM	7-11-2018 12:00 AM	7-16-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	11	21	NO	
992	280444	452337	44	F	O+	7-26-2018 3:52 PM	7-27-2018 12:00 AM	8-1-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	1	0	6	67	NO	
993	280692	429739	48	F	O-	8-2-2018 4:08 PM	8-7-2018 12:00 AM	8-9-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	4	3	7	18	NO	
994	280845	449574	49	F	O+	8-6-2018 5:56 PM	8-10-2018 12:00 AM	8-16-2018 5:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF THORAX	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	10	2	NO	
995	280941	440819	56	M	A+	8-9-2018 5:25 PM	8-16-2018 12:00 AM	8-20-2018 2:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	11	15	NO	
996	281298	443981	63	F	O+	8-21-2018 4:42 PM	8-28-2018 12:00 AM	9-3-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	5	3	13	47	NO	
997	281508	453787	35	F	O+	8-30-2018 5:12 PM	9-6-2018 12:00 AM	9-13-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	6	3	14	111	NO	
998	281931	457167	38	F	B+	9-10-2018 5:01 PM	9-26-2018 12:00 AM	10-1-2018 3:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	1	0	21	115	NO	
999	282026	445353	41	F	B+	9-13-2018 5:52 PM	9-19-2018 12:00 AM	9-27-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	14	59	NO	
1000	282156	454876	67	M	B-	9-17-2018 4:52 PM	9-27-2018 12:00 AM	10-4-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	3	3	17	22	NO	
1001	282159	455937	40	M	B+	9-17-2018 5:00 PM	9-19-2018 12:00 AM	9-24-2018 6:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NERVOUS SYS OF ABD	LAMINECTOMY EXCISION OF SCHWANNOMA	0	0	7	28	NO	
1002	282180	432537	51	M	O+	9-17-2018 5:42 PM	9-21-2018 12:00 AM	9-24-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	2	7	21	NO	
1003	282161	453053	30	F	A+	9-17-2018 5:47 PM	9-19-2018 12:00 AM	9-24-2018 5:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF THORAX	LAMINECTOMY EXCISION OF SCHWANNOMA	0	0	7	45	NO	
1004	282760	442612	51	M	B+	10-4-2018 4:06 PM	10-5-2018 12:00 AM	10-9-2018 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	4	2	5	63	NO	
1005	283358	457055	51	M	B+	10-22-2018 5:44 PM	10-29-2018 12:00 AM	11-23-2018 6:20 AM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	5	1	32	589	YES	
1006	283595	459266	58	M	AB+	10-29-2018 5:12 PM	11-2-2018 12:00 AM	11-23-2018 2:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	4	1	25	68	NO	
1007	284084	456093	35	F	A+	11-12-2018 3:21 PM	11-14-2018 12:00 AM	11-23-2018 2:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	9	4	11	64	NO	
1008	284206	458587	22	F	O+	11-15-2018 4:40 PM	11-19-2018 12:00 AM	11-23-2018 1:45 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	2	8	55	NO	
1009	284424	447704	30	M	B+	11-22-2018 2:27 PM	11-26-2018 12:00 AM	11-29-2018 3:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF PELVIS	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	7	62	NO	
1010	284575	454774	43	M	O+	11-26-2018 6:09 PM	12-10-2018 12:00 AM	12-17-2018 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	4	2	21	66	NO	
1011	284685	456260	53	F	O-	11-29-2018 3:21 PM	11-30-2018 12:00 AM	12-3-2018 2:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF THORAX	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	4	43	NO	
1012	284829	458702	41	F	A+	12-3-2018 5:22 PM	12-10-2018 12:00 AM	12-13-2018 4:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	1	0	10	90	NO	
1013	284817	460462	46	M	AB-	12-3-2018 6:19 PM	12-6-2018 12:00 AM	12-10-2018 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	7	19	NO	
1014	284843	459691	61	M	O+	12-3-2018 6:51 PM	12-7-2018 12:00 AM	12-20-2018 3:00 PM	BEN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF FACE/HED/NK	LAMINECTOMY EXCISION OF SCHWANNOMA	3	2	17	47	NO	
1015	285116	454713	43	M	B+	12-11-2018 8:18 PM	12-13-2018 12:00 AM	12-17-2018 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	6	66	NO	
1016	285171	460468	38	M	O+	12-12-2018 6:14 PM	12-17-2018 12:00 AM	12-22-2018 6:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NERVOUS SYS OF ABD	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	10	46	NO	
1017	285900	460429	24	F	A+	1-3-2019 5:09 PM	1-14-2019 12:00 AM	1-21-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	18	23	NO	
1018	286043	461033	49	F	O+	1-7-2019 6:32 PM	1-8-2019 12:00 AM	1-16-2019 3:30 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF THORAX	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	9	20	NO	
1019	286162	315452	48	F	O+	1-10-2019 3:49 PM	1-14-2019 12:00 AM	1-17-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	4	3	7	20	NO	
1020	286295	459998	30	M	O+	1-14-2019 6:12 PM	1-17-2019 12:00 AM	1-24-2019 3:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF THORAX	LAMINECTOMY EXCISION OF SCHWANNOMA	2	1	10	17	NO	
1021	286406	459988	55	M	O+	1-17-2019 12:55 PM	1-22-2019 12:00 AM	1-28-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	11	2	NO	
1022	286656	451277	54	F	O+	1-24-2019 5:32 PM	1-28-2019 12:00 AM	1-31-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	7	62	NO	
1023	287034	461100	41	F	A+	2-4-2019 5:44 PM	2-8-2019 12:00 AM	2-14-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	10	67	NO	
1024	287045	458323	66	M	O+	2-4-2019 7:02 PM	2-11-2019 12:00 AM	2-14-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	10	20	NO	
1025	287369	459398	47	M	O+	2-14-2019 6:02 PM	2-25-2019 12:00 AM	3-11-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	6	1	25	20	NO	
1026	287767	464790	27	M	B+	2-26-2019 5:04 PM	3-5-2019 12:00 AM	3-12-2019 2:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	LAMINECTOMY EXCISION OF SCHWANNOMA	3	2	14	42	NO	
1027	287975	458325	46	F	O+	3-5-2019 4:49 PM	3-19-2019 12:00 AM	3-25-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	20	17	NO	
1028	288463	373381	64	M	O+	3-18-2019 5:27 PM	3-27-2019 12:00 AM	4-1-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	14	38	NO	
1029	288592	461615	34	M	A+	3-21-2019 4:58 PM	3-26-2019 12:00 AM	4-1-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	4	0	11	16	NO	
1030	288849	464733	53	F	B+	3-28-2019 4:41 PM	4-1-2019 12:00 AM	4-14-2019 6:20 AM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	5	4	17	303	YES	
1031	288965	455939	53	M	B+	4-1-2019 5:41 PM	4-8-2019 12:00 AM	4-24-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	6	4	23	22	NO	
1032	289100	462634	45	F	O+	4-4-2019 6:03 PM	4-9-2019 12:00 AM	4-16-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY AND EXCISION OF SCHWANNOMA	2	1	12	22	NO	
1033	289867	464828	31	M	AB+	4-30-2019 5:14 PM	5-14-2019 12:00 AM	5-16-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	1	0	16	19	NO	
1034	290206	461912	56	F	A+	5-9-2019 4:52 PM	5-16-2019 12:00 AM	5-20-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	0	11	4	NO	
1035	290500	466077	30	F	O+	5-17-2019 4:52 PM	5-13-2019 12:00 AM	5-20-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	3	0	NO	
1036	290583	454601	27	F	B+	5-20-2019 4:56 PM	5-29-2019 12:00 AM	6-3-2019 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	1	0	14	18	NO	
1037	290735	462407	56	F	AB+	5-23-2019 5:13 PM	5-31-2019 12:00 AM	6-3-2019 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	2	11	45	NO	
1038	291105	448880	28	M	A+	6-3-2019 3:31 PM	6-12-2019 12:00 AM	6-14-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	2	0	11	19	NO	
1039	291098	456006	41	F	A+	6-3-2019 4:31 PM	6-11-2019 12:00 AM	6-20-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	1	0	17	22	NO	
1040	291824	267039	37	F	O+	6-24-2019 5:00 PM	6-28-2019 12:00 AM	7-3-2019 3:15 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	2	0	9	65	NO	
1041	291827	462539	54	F	B+	6-24-2019 5:03 PM	6-26-2019 12:00 AM	7-1-2019 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	7	18	NO	
1042	292336	472083														

1057	295943	469115	59	M	B+	10-28-2019 4:21 PM	10-31-2019 12:00 AM	11-4-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	2	7	18	NO	
1058	296071	476702	53	F	B+	10-31-2019 3:05 PM	11-4-2019 12:00 AM	11-11-2019 4:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	5	4	11	19	NO	
1059	296070	477380	44	F	A+	10-31-2019 3:18 PM	11-1-2019 12:00 AM	11-7-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	7	71	NO	
1060	296200	477284	48	M	A+	11-4-2019 2:34 PM	11-6-2019 12:00 AM	12-2-2019 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	2	28	27	NO	
1061	296327	465759	60	M	A+	11-7-2019 5:13 PM	11-12-2019 12:00 AM	11-14-2019 3:00 PM	OTHER CERVICAL DISC DISORDERS, UNSPECIFIED CERVICAL REGION	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	7	31	NO	
1062	296442	213385	57	M	O+	11-11-2019 2:53 PM	11-19-2019 12:00 AM	11-28-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	17	18	NO	
1063	296685	478659	21	M	O+	11-18-2019 4:18 PM	11-25-2019 12:00 AM	12-2-2019 6:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF THORAX	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	14	7	NO	
1064	297184	476826	45	F	A+	12-2-2019 5:40 PM	12-17-2019 12:00 AM	12-23-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	1	21	24	NO	
1065	297185	477802	19	F	O-	12-2-2019 6:18 PM	12-18-2019 12:00 AM	12-23-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	21	22	NO	
1066	297425	473889	65	F	O+	12-9-2019 3:58 PM	12-23-2019 12:00 AM	12-30-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	21	16	NO	
1067	297519	479824	54	M	A+	12-12-2019 2:56 PM	12-24-2019 12:00 AM	12-30-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	1	0	18	20	NO	
1068	297520	473257	71	F	O+	12-12-2019 3:13 PM	12-17-2019 12:00 AM	12-23-2019 3:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	11	45	NO	
1069	297943	478146	45	M	O+	12-27-2019 2:13 PM	1-2-2020 12:00 AM	1-6-2020 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	2	0	10	14	NO	
1070	298041	476634	51	F	O+	12-30-2019 4:50 PM	1-1-2020 12:00 AM	1-6-2020 3:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NERVOUS SYS OF ABD	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	7	4	NO	
1071	298034	390593	34	F	B+	12-30-2019 5:09 PM	1-8-2020 12:00 AM	1-13-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	4	2	14	18	NO	
1072	298640	459454	33	F	B+	1-16-2020 2:41 PM	1-21-2020 12:00 AM	1-27-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	11	22	NO	
1073	299033	409165	45	F	B+	1-27-2020 3:16 PM	1-30-2020 12:00 AM	2-3-2020 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	3	0	7	17	NO	
1074	299388	466020	34	F	A+	2-6-2020 6:14 PM	2-12-2020 12:00 AM	2-25-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	0	19	32	YES	
1075	299978	482730	37	F	O+	2-24-2020 5:49 PM	2-28-2020 12:00 AM	3-2-2020 3:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	7	49	NO	
1076	299973	464490	54	M	A+	2-24-2020 6:06 PM	2-28-2020 12:00 AM	3-5-2020 4:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	RE-EXPLORATION LAMINECTOMY	2	1	10	69	NO	
1077	300105	478927	70	F	B+	2-27-2020 4:36 PM	3-4-2020 12:00 AM	4-7-2020 4:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	5	2	40	661	NO	
1078	301286	485565	25	F	O+	6-1-2020 3:53 PM	6-3-2020 12:00 AM	6-8-2020 4:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NERVOUS SYS OF ABD	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	7	3	NO	
1079	301484	484672	54	M	O+	6-11-2020 2:14 PM	6-18-2020 12:00 AM	6-25-2020 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	14	89	NO	
1080	301919	484621	40	M	O+	7-4-2020 2:37 PM	7-10-2020 12:00 AM	7-13-2020 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	1	9	60	NO	
1081	301946	486242	53	F	O+	7-6-2020 3:08 PM	7-8-2020 12:00 AM	7-13-2020 6:00 PM	LUMBOSACRAL PLEXUS DISORDERS	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	7	2	NO	
1082	302003	485774	61	M	O+	7-10-2020 3:17 PM	7-22-2020 12:00 AM	8-3-2020 4:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	MASTOIDECTOMY	4	4	24	154	NO	
1083	302031	486161	57	F	O+	7-13-2020 4:26 PM	7-23-2020 12:00 AM	7-28-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	2	15	89	NO	
1084	302118	263445	33	F	AB+	7-23-2020 2:07 PM	8-6-2020 12:00 AM	8-13-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	2	21	18	NO	
1085	302211	485226	28	F	O+	8-5-2020 3:35 PM	8-12-2020 12:00 AM	8-19-2020 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	2	14	109	NO	
1086	302346	485931	45	F	B+	8-17-2020 4:03 PM	8-24-2020 12:00 AM	9-3-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	17	0	NO	
1087	302553	487579	60	F	B+	9-3-2020 5:39 PM	9-5-2020 12:00 AM	9-24-2020 2:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	4	3	21	300	NO	
1088	302608	484041	33	M	O+	9-7-2020 5:01 PM	9-11-2020 12:00 AM	9-15-2020 12:20 PM	BENIGN NEOPLASM OF CRANIAL NERVES	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	8	95	NO	
1089	302635	8905990	55	M	A-	9-8-2020 3:13 PM	9-16-2020 12:00 AM	9-23-2020 2:25 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	LAMINECTOMY EXCISION OF SCHWANNOMA	1	0	15	168	NO	
1090	302718	464041	26	F	A+	9-14-2020 3:20 PM	10-1-2020 12:00 AM	10-12-2020 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY AND EXCISION OF SCHWANNOMA	4	3	28	91	NO	
1091	303227	487898	59	F	O+	10-15-2020 3:27 PM	10-16-2020 12:00 AM	10-19-2020 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	2	4	0	NO	
1092	303340	478751	63	M	O+	10-21-2020 3:29 PM	10-27-2020 12:00 AM	11-6-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	1	0	16	163	NO	
1093	303534	489206	38	M	O+	11-3-2020 3:12 PM	11-4-2020 12:00 AM	11-9-2020 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	6	21	NO	
1094	303604	489124	56	F	B+	11-5-2020 3:46 PM	11-10-2020 12:00 AM	11-20-2020 5:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	3	2	15	49	NO	
1095	304011	488729	52	F	O+	11-25-2020 4:07 PM	12-3-2020 12:00 AM	12-14-2020 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	3	19	78	NO	
1096	304182	487304	46	M	O+	12-2-2020 4:02 PM	12-10-2020 12:00 AM	12-14-2020 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	12	20	NO	
1097	304181	488080	60	M	A+	12-2-2020 4:46 PM	12-8-2020 12:00 AM	12-11-2020 5:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	9	22	NO	
1098	305063	489934	50	F	B+	1-6-2021 4:37 PM	1-8-2021 12:00 AM	1-13-2021 1:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	2	7	66	NO	
1099	305281	490937	30	F	A+	1-14-2021 5:45 PM	1-20-2021 12:00 AM	1-25-2021 4:00 PM	NEUROFIBROMATOSIS, TYPE 2	CRANIOTOMY EXCISION SCHWANOMMA	4	2	11	23	NO	
1100	305282	489347	24	M	B+	1-14-2021 5:47 PM	1-22-2021 12:00 AM	1-27-2021 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	1	13	67	NO	
1101	305369	471674	48	M	AB+	1-18-2021 4:44 PM	1-27-2021 12:00 AM	1-29-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	RE-EXPLORATION BRAIN	2	0	11	18	NO	
1102	305490	492172	58	M	O+	1-21-2021 3:55 PM	1-28-2021 12:00 AM	2-1-2021 12:10 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	11	96	NO	
1103	305557	492476	43	F	A-	1-23-2021 6:13 PM	1-29-2021 12:00 AM	2-2-2021 1:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	3	2	10	102	NO	
1104	305678	491893	51	F	A+	1-28-2021 4:27 PM	2-5-2021 12:00 AM	2-12-2021 4:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	2	15	68	NO	
1105	305759	490003	57	F	A+	2-1-2021 3:08 PM	2-9-2021 12:00 AM	2-13-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	1	12	22	NO	
1106	305791	490810	46	F	B+	2-1-2021 5:45 PM	2-10-2021 12:00 AM	2-13-2021 7:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	12	20	NO	
1107	305878	491678	67	M	B+	2-4-2021 3:24 PM	2-11-2021 12:00 AM	2-14-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	2	0	10	21	NO	
1108	306061	491912	53	F	O+	2-9-2021 5:56 PM	2-24-2021 12:00 AM	3-8-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY AND EXCISION OF SCHWANNOMA	5	3	27	154	NO	
1109	306260	492792	64	F	B+	2-16-2021 3:01 PM	2-26-2021 12:00 AM	3-3-2021 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	1	15	65	NO	
1110	306259	493735	54	F	A+	2-16-2021 3:15 PM	2-25-2021 12:00 AM	3-12-2021 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	5	4	24	249	NO	
1111	306630	489502	46	M	B+	3-1-2021 5:27 PM	3-5-2021 12:00 AM	3-9-2021 4:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF PELVIS	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	8	4	NO	
1112	306702	491968	70	M	B+	3-3-2021 5:04 PM	3-8-2021 12:00 AM	3-15-2021 5:00 PM	BENIGN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF THORAX	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	12	23	NO	
1113	306847	343028	41	M	A+	3-8-2021 3:58 PM	3-16-2021 12:00 AM	3-23-2021 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY AND DECOMPRESSION OF SCHWANNOMA	6	5	15	15	NO	
1114	306886	494169	31	M	B+	3-9-2021 3:45 PM	3-17-2021 12:00 AM	3-22-2021 2:50 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	2	1	13	17	NO	
1115	307639	494644	53	F	A+	4-5-2021 4:47 PM	4-15-2021 12:00 AM	4-19-2021 6:30 PM	SCHWANNOMATOSIS	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	5	1	14	24	NO	
1116	307854	495061	29	M	O+	4-12-2021 5:48 PM	4-19-2021 12:00 AM	4-22-2021 4:00 PM	SCHWANNOMATOSIS	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	10	22	NO	
1117	307849	478683	36	F	O+	4-12-2021 6:09 PM	4-21-2021 12:00 AM	5-1-2021 4:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	3	0	19	112	NO	
1118	307858	495900	36	M	O+	4-12-2021 6:18 PM	4-19-2021 12:00 AM	4-27-2021 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF SPINAL CORD	LAMINECTOMY EXCISION OF SCHWANNOMA	2	0	15	6	NO	
1119	308221	496836	45	F	O+	4-28-2021 3:21 PM	5-5-2021 12:00 AM	5-12-2021 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION SCHWANOMMA	3	2	14	48	NO	
1120	308219	495838	58	F	B+	4-28-2021 4:05 PM	5-5-2021 12:00 AM	5-11-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY AND EXCISION OF SCHWANNOMA	2	1	13	18	NO	
1121	308232	472474	38	F	O+	4-28-2021 4:47 PM	5-10-2021 12:00 AM	5-15-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY AND DECOMPRESSION OF SCHWANNOMA	7	5	17	26	NO	
1122	308726	498736	24	F	AB+	6-1-2021 4:00 PM	6-3-2021 12:00 AM	6-7-2021 5:30 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIECTOMY AND DECOMPRESSION OF SCHWANNOMA	2	2	6	18	NO	
1123	308774	498513	37	F	A+	6-3-2021 4:16 PM	6-9-2021 12:00 AM	6-14-2021 4:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	CRANIOTOMY EXCISION SCHWANOMMA	3	2	11	18	NO	
1124	308771	498260</														

1139	273884	445139	21	F	A+	1-22-2018 5:55 PM	1-25-2018 12:00 AM	1-30-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	8	102	NO	
1140	274475	442721	28	F	O+	2-8-2018 3:20 PM	2-19-2018 12:00 AM	2-26-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	4	2	18	90	NO	
1141	275192	390897	46	F	AB-	3-5-2018 4:07 PM	3-7-2018 12:00 AM	3-12-2018 2:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	7	2	7	21	NO	
1142	275337	442903	37	F	O+	3-5-2018 5:31 PM	3-7-2018 12:00 AM	3-12-2018 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	0	0	7	16	NO	
1143	275575	430639	34	F	B+	3-12-2018 6:54 PM	3-19-2018 12:00 AM	3-26-2018 3:00 PM	OTH CONGENITAL MALFORM OF SPINE, NOT ASSOCIATED W SCOLIOSIS	DECOMPRESSION FORAMEN MAGNUM	1	1	14	65	NO	
1144	275613	438409	27	M	AB+	3-13-2018 4:02 PM	3-15-2018 12:00 AM	3-19-2018 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	0	0	6	21	NO	
1145	276114	423724	34	M	O-	3-26-2018 5:47 PM	3-27-2018 12:00 AM	4-2-2018 6:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	0	0	7	50	NO	
1146	277302	442353	43	M	A+	4-30-2018 4:25 PM	5-7-2018 12:00 AM	5-14-2018 6:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	1	0	14	21	NO	
1147	277781	450863	50	F	B+	5-14-2018 5:03 PM	5-21-2018 12:00 AM	6-14-2018 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	3	2	31	321	NO	
1148	277893	444571	21	F	O+	5-17-2018 4:27 PM	5-18-2018 12:00 AM	5-21-2018 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	4	49	NO	
1149	278291	450507	48	F	AB+	5-28-2018 5:29 PM	5-31-2018 12:00 AM	6-4-2018 3:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	7	22	NO	
1150	278307	450573	37	F	AB+	5-28-2018 6:07 PM	6-4-2018 12:00 AM	6-7-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	10	24	NO	
1151	278667	447550	21	F	B-	6-7-2018 3:39 PM	6-12-2018 12:00 AM	6-18-2018 3:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	0	0	11	14	NO	
1152	279255	445221	39	M	A+	6-25-2018 3:19 PM	6-28-2018 12:00 AM	7-2-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	7	22	NO	
1153	279800	443262	41	M	A+	7-9-2018 5:42 PM	7-16-2018 12:00 AM	7-19-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	10	68	NO	
1154	279950	447961	54	F	B+	7-12-2018 4:50 PM	7-19-2018 12:00 AM	7-23-2018 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	11	21	NO	
1155	279941	452458	31	M	B-	7-12-2018 4:50 PM	7-13-2018 12:00 AM	7-16-2018 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	4	55	NO	
1156	280211	448514	20	F	A+	7-20-2018 4:08 PM	7-24-2018 12:00 AM	7-30-2018 3:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	0	0	10	44	NO	
1157	281165	445653	51	F	O+	8-16-2018 4:55 PM	8-17-2018 12:00 AM	8-21-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	0	0	5	70	NO	
1158	281659	454772	34	M	B+	9-3-2018 3:05 PM	9-13-2018 12:00 AM	9-17-2018 2:30 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	14	22	NO	
1159	282637	451235	43	F	B+	10-1-2018 4:41 PM	10-5-2018 12:00 AM	10-9-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	8	72	NO	
1160	283615	452409	27	M	B+	10-29-2018 6:23 PM	10-30-2018 12:00 AM	11-5-2018 5:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	0	0	7	19	NO	
1161	283944	446530	61	F	O+	11-8-2018 4:36 PM	11-12-2018 12:00 AM	11-19-2018 4:00 PM	COMPRESSION OF BRAIN	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	1	0	11	22	NO	
1162	284574	450817	25	M	O+	11-26-2018 4:32 PM	12-4-2018 12:00 AM	12-10-2018 6:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	14	27	NO	
1163	284572	458826	41	F	A+	11-26-2018 4:57 PM	12-10-2018 12:00 AM	12-13-2018 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	17	90	NO	
1164	287507	388056	41	M	B+	2-18-2019 5:51 PM	2-23-2019 12:00 AM	3-11-2019 3:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	4	0	21	50	NO	
1165	287974	464405	31	F	O+	3-5-2019 5:16 PM	3-8-2019 12:00 AM	3-11-2019 4:40 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	6	72	NO	
1166	288970	462179	31	M	A+	4-1-2019 4:37 PM	4-4-2019 12:00 AM	4-8-2019 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	7	2	NO	
1167	289455	458756	55	F	O+	4-16-2019 3:45 PM	4-22-2019 12:00 AM	4-26-2019 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	10	53	NO	
1168	290600	469249	55	F	O+	5-20-2019 3:28 PM	5-22-2019 12:00 AM	5-27-2019 4:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	2	0	7	26	NO	
1169	290868	467611	44	M	O+	5-27-2019 6:30 PM	5-31-2019 12:00 AM	6-3-2019 6:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	2	0	7	2	NO	
1170	291295	461469	26	F	O+	6-10-2019 8:54 PM	6-17-2019 12:00 AM	6-24-2019 4:30 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	1	14	16	NO	
1171	291653	445221	40	M	A+	6-19-2019 4:41 PM	6-21-2019 12:00 AM	7-4-2019 3:15 PM	COMPRESSION OF BRAIN	RE-EXPLORATION BRAIN	1	0	15	70	NO	
1172	291948	467272	52	F	O-	6-27-2019 4:19 PM	7-4-2019 12:00 AM	7-8-2019 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	11	21	NO	
1173	291984	470987	21	M	A-	6-28-2019 2:25 PM	7-1-2019 12:00 AM	7-8-2019 2:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	10	24	NO	
1174	292570	470451	20	F	B+	7-15-2019 5:06 PM	7-17-2019 12:00 AM	7-22-2019 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	7	21	NO	
1175	292568	454926	20	F	A+	7-15-2019 5:49 PM	7-17-2019 12:00 AM	7-22-2019 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	7	18	NO	
1176	293072	435468	18	M	O+	7-29-2019 3:26 PM	8-2-2019 12:00 AM	8-8-2019 3:00 PM	POST OPERATIVE CASE NEURO	DECOMPRESSION FORAMEN MAGNUM	1	0	10	86	NO	
1177	293871	471100	57	F	O+	8-22-2019 6:18 PM	9-10-2019 12:00 AM	9-16-2019 4:30 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	25	62	NO	
1178	294217	472798	44	F	O+	9-2-2019 3:45 PM	9-5-2019 12:00 AM	9-10-2019 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	8	18	NO	
1179	294500	473643	22	M	B+	9-16-2019 6:33 PM	9-19-2019 12:00 AM	9-23-2019 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	7	23	NO	
1180	294766	470778	25	F	O-	9-23-2019 5:44 PM	9-27-2019 12:00 AM	9-30-2019 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	7	2	NO	
1181	295011	468726	37	F	AB+	9-30-2019 5:29 PM	10-14-2019 12:00 AM	10-14-2019 3:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	1	0	14	119	NO	
1182	297423	464258	34	F	B+	12-9-2019 3:38 PM	12-17-2019 12:00 AM	12-23-2019 4:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	1	0	14	36	NO	
1183	298030	470838	22	M	B+	12-30-2019 4:47 PM	1-7-2020 12:00 AM	1-13-2020 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	14	22	NO	
1184	298895	479655	45	F	B+	1-27-2020 2:50 PM	1-29-2020 12:00 AM	2-3-2020 5:00 PM	ARNOLD-CHIARI SYNDROME	CRANIOTOMY DECOMPRESSION FORAMEN MAGNUM EX.POST ARCH OF ATLA	1	0	7	36	NO	
1185	299259	474861	46	M	A+	2-3-2020 4:12 PM	2-5-2020 12:00 AM	2-10-2020 4:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	CRANIOTOMY DECOMPRESSION FORAMEN MAGNUM EX.POST ARCH OF ATLA	1	0	7	0	NO	
1186	299384	482645	46	M	AB+	2-6-2020 5:23 PM	2-12-2020 12:00 AM	2-17-2020 5:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	2	0	11	36	NO	
1187	301971	484491	36	F	AB+	7-8-2020 2:05 PM	7-10-2020 12:00 AM	7-13-2020 6:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	3	2	5	3	NO	
1188	302287	482933	55	F	O+	8-12-2020 4:15 PM	8-19-2020 12:00 AM	8-24-2020 4:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	3	0	12	4	NO	
1189	302720	485997	32	F	O+	9-14-2020 6:03 PM	9-28-2020 12:00 AM	10-1-2020 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	17	47	NO	
1190	304290	402015	28	F	B+	12-7-2020 5:29 PM	12-17-2020 12:00 AM	1-7-2021 4:00 PM	ARNOLD-CHIARI SYNDROME	DECOMPRESSION FORAMEN MAGNUM	5	1	31	211	NO	
1191	304643	445062	33	F	O+	12-21-2020 3:36 PM	12-24-2020 12:00 AM	12-26-2020 3:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	DECOMPRESSION FORAMEN MAGNUM	2	0	5	5	NO	
1192	305370	483569	47	F	O+	1-18-2021 2:16 PM	1-25-2021 12:00 AM	1-28-2021 5:00 PM	ARNOLD-CHIARI SYNDROME	DECOMPRESSION FORAMEN MAGNUM	1	0	10	24	NO	
1193	305653	490717	45	M	O+	1-27-2021 5:33 PM	2-2-2021 12:00 AM	2-4-2021 5:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	8	23	NO	
1194	305763	492184	40	F	A+	2-1-2021 2:59 PM	2-4-2021 12:00 AM	2-8-2021 4:00 PM	ARNOLD-CHIARI SYNDROME	CRANIOTOMY DECOMPRESSION FORAMENMAGNUM & DUROPLASTY	2	0	7	15	NO	
1195	307380	492719	20	M	O+	3-25-2021 3:48 PM	3-29-2021 12:00 AM	4-1-2021 3:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	7	17	NO	
1196	307765	490885	25	F	O+	4-9-2021 3:27 PM	4-15-2021 12:00 AM	4-18-2021 2:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	CRANIOTOMY DECOMPRESSION FORAMENMAGNUM & DUROPLASTY	2	0	9	22	NO	
1197	308172	475311	28	F	O+	4-26-2021 4:10 PM	4-28-2021 12:00 AM	5-1-2021 4:00 PM	ANOXIC BRAIN DAMAGE, NOT ELSEWHERE CLASSIFIED	CRANIOTOMY DECOMPRESSION FORAMENMAGNUM & DUROPLASTY	2	0	5	7	NO	
1198	308524	497421	21	M	O+	5-20-2021 3:25 PM	5-24-2021 12:00 AM	5-26-2021 5:00 PM	OTHER SPECIFIED CONGENITAL MALFORMATIONS OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	6	24	NO	
1199	308585	494887	40	F	O+	5-24-2021 3:03 PM	5-27-2021 12:00 AM	5-29-2021 4:00 PM	ARNOLD-CHIARI SYNDROME	DECOMPRESSION FORAMEN MAGNUM	2	0	5	6	NO	
1200	309915	497189	26	F	O+	7-19-2021 3:01 PM	7-22-2021 12:00 AM	7-26-2021 5:00 PM	COMPRESSION OF BRAIN	CRANIOTOMY DECOMPRESSION FORAMEN MAGNUM EX.POST ARCH OF ATLA	1	0	7	5	NO	
1201	310354	499931	35	F	O+	8-4-2021 5:23 PM	8-11-2021 12:00 AM	8-13-2021 4:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	1	0	9	5	NO	
1202	311019	482956	48	F	A+	8-30-2021 2:34 PM	9-5-2021 12:00 AM	9-14-2021 6:00 PM	COMPRESSION OF BRAIN	DECOMPRESSION FORAMEN MAGNUM	2	0	15	6	NO	
1203	289247	426170	47	M	O+	4-8-2019 5:59 PM	4-17-2019 12:00 AM	4-25-2019 6:00 PM	MALIGNANT NEOPLASM OF VERTEBRAL COLUMN	CRANIOTOMY EXCISION LESION BRAIN	2	2	17	111	NO	
1204	297060	479855	22	F	B-	11-28-2019 6:10 PM	12-2-2019 12:00 AM	12-12-2019 6:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	RE-EXPLORATION BRAIN	2	1	14	12	NO	
1205	305376	492396	30	F	A+	1-18-2021 5:21 PM	1-20-2021 12:00 AM	1-25-2021 4:00 PM	FRACTURE OF T9-T10 VERTEBRA	CRANIOTOMY DECOMPRESSION MASS BRAIN	2	1	7	21	NO	
1206	311236	486475	56	M	O+	9-6-2021 4:52 PM	9-14-2021 12:00 AM	9-16-2021 5:00 PM	MALIGNANT NEOPLASM OF VERTEBRAL COLUMN	LAMINECTOMY EXCISION OF MASS	4	3	10	7	NO	
1207	311374	501817	64	M	B+	9-11-2021 3:55 PM	9-15-2021 12:00 AM	9-21-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF TUMOUR	1	1	10	8	NO	
1208	273377	395874	32	M	O+	1-8-2018 4:34 PM	1-12-2018 12:00 AM	1-17-2018 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL ANTERIR	1	0	9	24	NO	
1209																

1221	275574	346424	42	F	A+	3-12-2018 6:52 PM	3-16-2018 12:00 AM	3-22-2018 3:00 PM	ARNOLD-CHIARI SYNDROME WITHOUT SPINA BIFIDA OR HYDROCEPHALUS	LAMINECTOMY CERVICAL	0	0	10	70	NO	
1222	275999	447869	21	M	A+	3-22-2018 5:11 PM	3-26-2018 12:00 AM	4-2-2018 6:00 PM	NEOPLASM OF UNCRT BEHAV OF AORTIC BODY AND OTH PARAGANGLIA	LAMINECTOMY DECOMPRESSION OF TUMOUR	1	0	11	24	NO	
1223	276100	447481	69	M	B+	3-26-2018 4:27 PM	4-2-2018 12:00 AM	4-9-2018 3:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	14	49	NO	
1224	276097	445066	28	F	O+	3-26-2018 5:22 PM	3-28-2018 12:00 AM	4-9-2018 3:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY EXCISION CONUS LIPOMA	2	1	14	71	NO	
1225	276303	446281	42	F	B+	4-2-2018 4:55 PM	4-12-2018 12:00 AM	4-19-2018 3:00 PM	SYRINGOMYELIA AND SYRINGOBULBIA	LAMINOPLASTY	3	3	17	87	NO	
1226	276418	9800796	55	F	O+	4-5-2018 3:09 PM	4-13-2018 12:00 AM	4-23-2018 5:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	RE-EXPLORATION LAMINECTOMY	4	2	18	170	NO	
1227	276815	449034	58	F	A+	4-16-2018 4:26 PM	4-18-2018 12:00 AM	4-23-2018 5:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY EXCISION CONUS LIPOMA	2	1	7	28	NO	
1228	276809	448370	38	F	O+	4-16-2018 5:37 PM	4-18-2018 12:00 AM	4-23-2018 5:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	3	0	7	22	NO	
1229	276940	449998	45	M	O+	4-20-2018 10:33 AM	5-3-2018 12:00 AM	5-14-2018 6:00 PM	UNSPECIFIED CORD COMPRESSION	LAMINECTOMY CERVICAL	0	0	24	19	NO	
1230	277068	449846	36	M	B+	4-23-2018 4:39 PM	4-24-2018 12:00 AM	4-30-2018 6:00 PM	OTHER CERVICAL DISC DISPLACEMENT, UNSP CERVICAL REGION	DISCECTOMY CERVICAL	0	0	7	23	NO	
1231	277525	448206	48	M	A+	5-7-2018 5:38 PM	5-9-2018 12:00 AM	5-28-2018 2:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	DECOMPRESSION FORAMEN MAGNUM	3	0	21	81	NO	
1232	277531	449942	55	F	O+	5-7-2018 5:41 PM	5-14-2018 12:00 AM	5-28-2018 2:00 PM	TUBERCULOSIS OF SPINE	LAMINECTOMY & CORPECTOMY & FUSION	3	3	21	17	NO	
1233	277791	435061	63	M	O+	5-14-2018 5:32 PM	5-18-2018 12:00 AM	5-24-2018 4:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY CERVICAL	0	0	10	75	NO	
1234	278038	451396	30	F	O+	5-21-2018 5:12 PM	5-24-2018 12:00 AM	5-28-2018 2:00 PM	OTH THORACIC, THRCLM AND LUMBOSACR INTVRT DISC DEGENERATION	LAMINECTOMY LUMBAR	0	0	7	21	NO	
1235	278139	392729	66	M	O+	5-23-2018 5:26 PM	5-29-2018 12:00 AM	6-4-2018 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	LAMINECTOMY LUMBAR	1	0	12	15	NO	
1236	278287	450329	45	F	B+	5-28-2018 5:24 PM	5-31-2018 12:00 AM	6-4-2018 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY LUMBAR	1	0	7	8	NO	
1237	278306	448359	45	M	B+	5-28-2018 5:32 PM	6-5-2018 12:00 AM	6-11-2018 3:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	DISCECTOMY CERVICAL	0	0	14	26	NO	
1238	278337	452093	45	F	A+	5-29-2018 4:54 PM	6-11-2018 12:00 AM	6-14-2018 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	16	9	NO	
1239	278672	9002539	52	M	B+	6-7-2018 4:34 PM	6-18-2018 12:00 AM	7-10-2018 12:35 PM	COMPRESSION OF BRAIN	RE-EXPLORATION LAMINECTOMY	1	1	33	527	YES	
1240	279015	448894	59	M	B+	6-18-2018 3:51 PM	6-29-2018 12:00 AM	7-9-2018 3:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	21	48	NO	
1241	279149	448066	60	F	A+	6-21-2018 3:12 PM	7-3-2018 12:00 AM	7-12-2018 4:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	LAMINECTOMY & FUSION	5	2	21	17	NO	
1242	279146	452479	42	F	B+	6-21-2018 5:14 PM	7-5-2018 12:00 AM	7-9-2018 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL ANTERIR	0	0	18	22	NO	
1243	279529	452828	54	M	O+	7-2-2018 3:34 PM	7-4-2018 12:00 AM	7-9-2018 3:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY	3	1	7	17	NO	
1244	279535	452681	33	F	B+	7-2-2018 3:34 PM	7-6-2018 12:00 AM	7-12-2018 1:00 PM	OTHER CERVICAL DISC DISORDERS, UNSPECIFIED CERVICAL REGION	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	0	0	10	70	NO	
1245	279530	452477	51	F	A+	7-2-2018 3:37 PM	7-6-2018 12:00 AM	7-12-2018 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY CERVICAL	0	0	10	27	NO	
1246	279528	453381	33	M	B+	7-2-2018 3:58 PM	7-4-2018 12:00 AM	7-9-2018 2:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	7	18	NO	
1247	279666	452487	62	F	A+	7-5-2018 5:39 PM	7-12-2018 12:00 AM	7-17-2018 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	CORPECTOMY & FUSION	1	0	12	18	NO	
1248	279805	453205	40	F	A+	7-9-2018 5:04 PM	7-11-2018 12:00 AM	7-16-2018 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	HEMILAMINECTOMY	0	0	7	17	NO	
1249	279855	453785	24	F	B+	7-10-2018 4:51 PM	7-17-2018 12:00 AM	7-24-2018 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BONE/ARTIC CARTL	LAMINECTOMY CORPECTOMY	1	0	14	44	NO	
1250	279916	452769	50	F	B+	7-11-2018 6:08 PM	7-20-2018 12:00 AM	7-26-2018 4:30 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY MICRO CERVICAL ANTERIOR	0	0	15	74	NO	
1251	280068	454122	18	F	O+	7-16-2018 4:24 PM	7-19-2018 12:00 AM	7-23-2018 3:15 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY LUMBAR	1	0	7	23	NO	
1252	280059	453524	43	F	B+	7-16-2018 4:44 PM	7-18-2018 12:00 AM	7-19-2018 4:00 PM	OTHER CERVICAL DISC DISPLACEMENT, UNSP CERVICAL REGION	LAMINECTOMY & DISECTOMY	1	0	3	3	NO	
1253	280168	452281	30	M	A+	7-19-2018 3:37 PM	7-23-2018 12:00 AM	7-30-2018 4:00 PM	OTHER SPECIFIED CONGENITAL MALFORMATIONS OF SPINAL CORD	EXCISION DERMOID LUMBAR SINUS	1	0	11	29	NO	
1254	280453	443695	59	M	AB+	7-26-2018 4:07 PM	8-3-2018 12:00 AM	8-6-2018 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	11	48	NO	
1255	280598	452535	28	M	B+	7-30-2018 4:43 PM	8-7-2018 12:00 AM	8-13-2018 3:00 PM	OTHER CERVICAL DISC DISORDERS, UNSPECIFIED CERVICAL REGION	EXCISION MASS SPINAL CORD	1	1	14	21	NO	
1256	280579	441769	39	F	A+	7-30-2018 4:54 PM	8-2-2018 12:00 AM	8-8-2018 6:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	LAMINECTOMY & FUSION	2	0	9	11	NO	
1257	281169	451301	58	F	O+	8-16-2018 4:11 PM	8-20-2018 12:00 AM	8-24-2018 1:15 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY CERVICAL	0	0	8	23	NO	
1258	281509	451468	22	M	B+	8-30-2018 5:39 PM	9-3-2018 12:00 AM	9-10-2018 4:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	0	0	11	21	NO	
1259	281668	454186	50	F	O+	9-3-2018 2:18 PM	9-5-2018 12:00 AM	9-10-2018 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	7	20	NO	
1260	281648	449947	47	M	A+	9-3-2018 2:58 PM	9-10-2018 12:00 AM	9-17-2018 3:30 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	0	0	14	50	NO	
1261	281911	456895	49	F	B+	9-10-2018 4:26 PM	9-11-2018 12:00 AM	9-13-2018 4:00 PM	OTHER CERVICAL DISC DISPLACEMENT, UNSP CERVICAL REGION	LAMINECTOMY & DISECTOMY	2	0	3	15	NO	
1262	281916	452698	72	M	A+	9-10-2018 4:56 PM	9-14-2018 12:00 AM	9-24-2018 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	1	14	70	NO	
1263	282160	457443	45	F	O+	9-17-2018 5:35 PM	9-18-2018 12:00 AM	9-21-2018 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY LUMBAR	0	0	4	24	NO	
1264	282181	455240	54	F	A+	9-17-2018 5:59 PM	9-25-2018 12:00 AM	10-25-2018 6:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	4	3	38	43	NO	
1265	282378	268661	65	M	B+	9-24-2018 3:32 PM	9-25-2018 12:00 AM	9-27-2018 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	3	28	NO	
1266	282240	447572	45	M	B+	9-24-2018 4:17 PM	9-27-2018 12:00 AM	10-1-2018 6:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	CORPECTOMY & FUSION	0	0	7	25	NO	
1267	282376	455415	59	F	O+	9-24-2018 6:42 PM	10-3-2018 12:00 AM	10-12-2018 5:00 PM	COLLAPSED VERTEBRA, NEC, SITE UNSP, INIT	LAMINECTOMY & CORPECTOMY & FUSION	1	1	18	132	NO	
1268	282494	455800	36	F	A+	9-27-2018 3:17 PM	10-1-2018 12:00 AM	10-4-2018 4:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	HEMILAMINECTOMY	2	0	7	44	NO	
1269	282500	436949	39	M	A+	9-27-2018 3:59 PM	9-28-2018 12:00 AM	10-8-2018 5:00 PM	SPINAL STENOSIS, SITE UNSPECIFIED	LAMINECTOMY	1	0	11	70	NO	
1270	282493	450656	47	M	A+	9-27-2018 4:09 PM	10-8-2018 12:00 AM	10-11-2018 4:30 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY CERVICAL	2	0	14	34	NO	
1271	282498	455430	37	F	O-	9-27-2018 5:23 PM	10-4-2018 12:00 AM	10-8-2018 5:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINOPLASTY CERVICAL	1	0	11	19	NO	
1272	282539	455540	45	F	O+	9-28-2018 2:15 PM	10-9-2018 12:00 AM	10-15-2018 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY CERVICAL	1	0	17	74	NO	
1273	282757	454175	68	M	O+	10-4-2018 3:53 PM	10-9-2018 12:00 AM	10-15-2018 5:00 PM	SYRINGOMYELIA AND SYRINGOBULBIA	LAMINECTOMY EXCISION OF CYST	1	1	11	19	NO	
1274	282651	416968	62	F	AB+	10-4-2018 3:57 PM	10-9-2018 12:00 AM	10-15-2018 5:00 PM	BENIGN LIPOMATOUS NEOPLASM, UNSPECIFIED	LAMINECTOMY EXCISION CONUS LIPOMA	2	1	11	21	NO	
1275	282763	456884	54	F	AB-	10-4-2018 4:53 PM	10-9-2018 12:00 AM	10-15-2018 5:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	DISCECTOMY LUMBAR	3	2	11	17	NO	
1276	282892	434600	52	F	A+	10-8-2018 4:29 PM	10-15-2018 12:00 AM	10-22-2018 4:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	DISCECTOMY CERVICAL	3	2	14	16	NO	
1277	282880	454041	37	F	A-	10-8-2018 5:27 PM	10-22-2018 12:00 AM	10-29-2018 6:14 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY & FUSION	4	4	21	31	NO	
1278	283012	458659	38	M	O+	10-11-2018 5:47 PM	10-12-2018 12:00 AM	10-15-2018 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY LUMBAR	1	0	4	19	NO	
1279	283134	328188	30	F	O+	10-15-2018 4:10 PM	10-23-2018 12:00 AM	10-29-2018 4:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	EXCISION MASS SPINAL CORD	2	0	14	22	NO	
1280	283150	456572	34	F	A+	10-15-2018 4:37 PM	10-16-2018 12:00 AM	10-22-2018 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISCECTOMY CERVICAL	0	0	7	27	NO	
1281	283363	457551	47	M	AB+	10-22-2018 4:44 PM	10-29-2018 12:00 AM	11-5-2018 5:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & FUSION	2	1	14	22	NO	
1282	283383	9607962	72	M	A+	10-23-2018 2:51 PM	10-29-2018 12:00 AM	11-8-2018 6:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	CORPECTOMY & FUSION	3	1	16	20	NO	
1283	283854	459230	68	F	B+	11-5-2018 5:24 PM	11-8-2018 12:00 AM	11-15-2018 4:00 PM	INTERVERTEBRAL DISC DISORDERS W MYELOPATHY, THORACIC REGION	LAMINECTOMY	0	0	10	3	NO	
1284	283997	459250	53	F	O+	11-9-2018 5:01 PM	11-13-2018 12:00 AM	11-15-2018 4:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	6	3	NO	
1285	284083	459243	48	F	AB+	11-12-2018 3:32 PM	11-16-2018 12:00 AM	11-21-2018 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	HEMILAMINECTOMY	1	1	9	64	NO	
1286	284086	457706	25	M	O+	11-12-2018 3:53 PM	11-16-2018 12:00 AM	11-23-2018 1:45 PM	OTHER DISORDERS OF MENINGES, NOT ELSEWHERE CLASSIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	0	0	11	65	NO	
1287	284087	457615	34	M	B+	11-12-2018 4:10 PM	11-19-2018 12:00 AM	11-26-2018 2:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	DISECTOMY ANTERIOR	2	0	14	52	NO	
1288	284343	451906</														

1303	287130	464742	62	M	AB+	2-7-2019 4:08 PM	2-9-2019 12:00 AM	2-18-2019 6:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	3	0	11	45	NO	
1304	287262	462577	57	M	A+	2-11-2019 6:05 PM	2-12-2019 12:00 AM	2-22-2019 5:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	11	6	NO	
1305	287367	8903678	61	M	B+	2-14-2019 4:37 PM	2-19-2019 12:00 AM	2-25-2019 4:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY AND DECOMPRESSION FOR LUMBAR CANAL STENOSIS	1	0	11	48	NO	
1306	287506	464097	46	M	O+	2-18-2019 4:48 PM	2-28-2019 12:00 AM	3-5-2019 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY DISECTOMY	1	0	15	16	NO	
1307	287610	464986	59	M	O+	2-21-2019 6:20 PM	3-5-2019 12:00 AM	3-21-2019 6:00 PM	UNSPECIFIED CORD COMPRESSION	LAMINECTOMY & CORPECTOMY & FUSION	4	0	28	19	NO	
1308	287720	459910	69	F	O+	2-25-2019 3:43 PM	3-7-2019 12:00 AM	3-19-2019 3:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	22	16	NO	
1309	288188	465898	48	M	O+	3-11-2019 4:10 PM	3-18-2019 12:00 AM	3-21-2019 6:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & CORPECTOMY & FUSION	1	0	10	18	NO	
1310	288306	465786	55	M	A+	3-14-2019 3:34 PM	3-18-2019 12:00 AM	3-21-2019 6:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY DISECTOMY	1	0	7	6	NO	
1311	288308	366237	27	F	O+	3-14-2019 3:41 PM	3-18-2019 12:00 AM	3-21-2019 6:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	1	0	7	4	NO	
1312	288464	9607088	54	F	B+	3-18-2019 6:57 PM	3-21-2019 12:00 AM	5-23-2019 4:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	LAMINECTOMY & FUSION	1	0	66	17	NO	
1313	288467	466550	29	M	B+	3-18-2019 7:10 PM	3-22-2019 12:00 AM	3-25-2019 4:00 PM	OTHER CERVICAL DISC DISPLACEMENT, UNSP CERVICAL REGION	DISECTOMY LUMBAR	1	0	7	5	NO	
1314	288737	9901623	60	F	O+	3-25-2019 7:08 PM	3-26-2019 12:00 AM	4-2-2019 5:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY LUMBAR	1	0	8	21	NO	
1315	289102	465596	49	M	O+	4-4-2019 2:32 PM	4-9-2019 12:00 AM	5-9-2019 3:33 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	35	31	NO	
1316	289103	9200319	68	F	O+	4-4-2019 2:48 PM	4-9-2019 12:00 AM	4-24-2019 4:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	RE-EXPLORATION LAMINECTOMY	1	0	20	47	NO	
1317	288594	455329	60	M	O+	4-4-2019 4:22 PM	4-8-2019 12:00 AM	4-11-2019 3:30 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	7	35	NO	
1318	289244	461081	26	M	A+	4-8-2019 5:38 PM	4-17-2019 12:00 AM	4-22-2019 4:00 PM	OTHER SPECIFIED CONGENITAL MALFORMATIONS OF SPINAL CORD	LAMINECTOMY	1	0	14	27	NO	
1319	289456	465916	21	F	A+	4-16-2019 3:00 PM	4-26-2019 12:00 AM	5-6-2019 4:00 PM	OTHER SPECIFIED CONGENITAL MALFORMATIONS OF SPINAL CORD	LAMINECTOMY LUMBAR	1	0	20	72	NO	
1320	289458	465124	65	M	O+	4-16-2019 4:31 PM	4-29-2019 12:00 AM	5-6-2019 4:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY FORAMENOTOMY	1	0	20	16	NO	
1321	289875	448574	59	M	A-	4-30-2019 3:24 PM	5-9-2019 12:00 AM	5-14-2019 3:00 PM	SPONDYLOPATHY, UNSPECIFIED	LAMINECTOMY AND DECOMPRESSION FOR LUMBAR CANAL STENOSIS	1	0	14	3	NO	
1322	289978	240857	58	M	O+	5-3-2019 3:22 PM	5-7-2019 12:00 AM	5-10-2019 4:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	7	17	NO	
1323	290065	465904	62	F	O+	5-6-2019 5:23 PM	5-13-2019 12:00 AM	5-16-2019 4:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	0	0	10	57	NO	
1324	290069	468103	50	F	O+	5-6-2019 5:34 PM	5-14-2019 12:00 AM	5-20-2019 5:00 PM	WEDGE COMPRESSION FRACTURE OF UNSP LUMBAR VERTEBRA, INIT	LAMINECTOMY & CORPECTOMY & FUSION	4	3	14	21	NO	
1325	290331	463257	39	F	O+	5-13-2019 3:33 PM	5-21-2019 12:00 AM	5-27-2019 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DECOMPRESSIVE LAMINECTOMY & DISECTOMY	1	0	14	6	NO	
1326	290332	464764	67	F	A+	5-13-2019 5:13 PM	5-21-2019 12:00 AM	5-27-2019 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	FUSION SPINAL SURGICAL	1	0	14	19	NO	
1327	290580	333403	61	M	AB+	5-20-2019 3:45 PM	5-27-2019 12:00 AM	6-3-2019 6:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY LUMBAR	3	2	14	19	NO	
1328	290595	466483	52	M	O+	5-20-2019 4:29 PM	5-23-2019 12:00 AM	5-27-2019 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL	1	0	7	22	NO	
1329	290662	383584	40	M	B+	5-21-2019 7:14 PM	5-23-2019 12:00 AM	5-27-2019 4:00 PM	UNSPECIFIED CORD COMPRESSION	DECOMPRESSIVE LAMINECTOMY & FUSION	1	0	6	20	NO	
1330	290685	469562	68	F	B+	5-22-2019 4:40 PM	5-24-2019 12:00 AM	5-28-2019 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	6	30	NO	
1331	290733	469779	57	M	AB+	5-23-2019 4:27 PM	5-28-2019 12:00 AM	6-3-2019 6:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY EXCISION LIGAMENTUM FLAVUM	2	0	11	24	NO	
1332	290732	429019	64	M	B+	5-23-2019 5:33 PM	5-30-2019 12:00 AM	6-3-2019 6:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY EXCISION LIGAMENTUM FLAVUM	2	0	11	21	NO	
1333	290867	450318	62	M	A+	5-27-2019 6:30 PM	5-30-2019 12:00 AM	6-3-2019 6:00 PM	SPINAL STENOSIS, CERVICAL REGION	DISECTOMY CERVICAL	1	0	7	19	NO	
1334	291079	470454	45	M	O-	6-3-2019 12:59 PM	6-6-2019 12:00 AM	6-10-2019 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DECOMPRESSIVE LAMINECTOMY & DISECTOMY	1	0	7	40	NO	
1335	291089	470749	54	M	A+	6-3-2019 2:42 PM	6-6-2019 12:00 AM	6-13-2019 5:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	CORPECTOMY & FUSION	1	0	10	20	NO	
1336	291103	470367	68	M	O+	6-3-2019 3:41 PM	6-10-2019 12:00 AM	6-14-2019 5:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	6	4	11	29	NO	
1337	291076	459843	52	F	B+	6-3-2019 4:44 PM	6-13-2019 12:00 AM	6-18-2019 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DECOMPRESSIVE LAMINECTOMY & FUSION	1	0	15	88	NO	
1338	291082	470548	35	M	O+	6-3-2019 5:02 PM	6-11-2019 12:00 AM	6-20-2019 4:00 PM	WEDGE COMPRESSION FRACTURE OF UNSP LUMBAR VERTEBRA, INIT	LAMINECTOMY & CORPECTOMY & FUSION	1	0	17	22	NO	
1339	291183	441771	55	M	B+	6-6-2019 1:57 PM	6-11-2019 12:00 AM	6-13-2019 5:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	CORPECTOMY & FUSION	1	0	7	17	NO	
1340	291322	466113	60	M	B+	6-10-2019 6:13 PM	6-12-2019 12:00 AM	6-24-2019 5:30 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	HEMILAMINECTOMY	1	0	14	68	NO	
1341	291430	468123	41	F	A+	6-13-2019 4:44 PM	6-14-2019 12:00 AM	6-20-2019 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	7	1	NO	
1342	291559	468919	35	F	O+	6-17-2019 4:27 PM	7-2-2019 12:00 AM	7-8-2019 3:00 PM	COMPRESSION OF BRAIN	FUSION OCCIPITAL CERVICAL	2	0	21	56	NO	
1343	291956	461894	53	F	O+	6-27-2019 3:37 PM	7-1-2019 12:00 AM	7-11-2019 2:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	CORPECTOMY & FUSION	1	0	14	17	NO	
1344	291966	472108	42	M	B+	6-27-2019 5:27 PM	7-3-2019 12:00 AM	7-8-2019 2:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	11	54	NO	
1345	291989	470429	51	F	O+	6-28-2019 4:47 PM	7-2-2019 12:00 AM	7-8-2019 2:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	1	0	10	18	NO	
1346	292059	471599	46	M	O+	7-1-2019 6:14 PM	7-8-2019 12:00 AM	7-15-2019 3:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY AND DECOMPRESSION FOR LUMBAR CANAL STENOSIS	1	0	14	21	NO	
1347	292116	376140	51	F	O+	7-2-2019 4:14 PM	7-5-2019 12:00 AM	7-11-2019 2:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	LAMINECTOMY & FUSION	2	2	9	79	NO	
1348	292199	469183	38	F	O+	7-4-2019 4:53 PM	7-9-2019 12:00 AM	7-15-2019 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	1	0	11	22	NO	
1349	292352	470752	55	M	O+	7-8-2019 3:01 PM	7-11-2019 12:00 AM	7-15-2019 3:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	FUSION SPINAL SURGICAL	1	0	7	24	NO	
1350	292337	471993	45	M	A+	7-8-2019 4:30 PM	7-12-2019 12:00 AM	7-22-2019 4:00 PM	OTHER CERVICAL DISC DISPLACEMENT, UNSP CERVICAL REGION	LAMINECTOMY	1	0	14	73	NO	
1351	292576	470178	29	M	O+	7-15-2019 4:03 PM	7-18-2019 12:00 AM	7-25-2019 3:00 PM	DISORDER OF BONE, UNSPECIFIED	CORPECTOMY & FUSION	1	0	10	20	NO	
1352	292830	215478	68	M	O+	7-22-2019 4:39 PM	7-26-2019 12:00 AM	8-5-2019 4:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY	1	0	14	74	NO	
1353	293070	465051	68	M	A+	7-29-2019 2:07 PM	8-1-2019 12:00 AM	8-5-2019 4:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	CORPECTOMY & FUSION	1	0	7	35	NO	
1354	293190	473190	60	M	A+	8-1-2019 6:11 PM	8-12-2019 12:00 AM	8-19-2019 5:10 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	0	0	18	22	NO	
1355	293553	297233	67	M	O+	8-12-2019 4:18 PM	8-19-2019 12:00 AM	8-26-2019 4:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	RE-EXPLORATION LAMINECTOMY	1	0	14	24	NO	
1356	293764	471996	23	F	AB-	8-19-2019 6:01 PM	8-26-2019 12:00 AM	9-3-2019 3:00 PM	OTHER SPECIFIED CONGENITAL MALFORMATIONS OF SPINAL CORD	LAMINECTOMY	2	0	15	21	NO	
1357	293759	466073	47	M	O+	8-19-2019 6:32 PM	8-22-2019 12:00 AM	8-29-2019 5:15 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	10	104	NO	
1358	293855	473645	29	F	A+	8-21-2019 4:51 PM	8-26-2019 12:00 AM	8-29-2019 4:30 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY EXCISION OF MASS	1	0	8	31	NO	
1359	293869	466632	51	F	A+	8-22-2019 5:07 PM	8-27-2019 12:00 AM	9-2-2019 4:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	LAMINECTOMY & FUSION	2	2	11	17	NO	
1360	293954	442507	49	M	A+	8-26-2019 4:18 PM	9-2-2019 12:00 AM	9-7-2019 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	CORPECTOMY & FUSION	1	0	12	81	NO	
1361	294481	460815	50	M	B+	9-16-2019 6:27 PM	9-20-2019 12:00 AM	9-23-2019 4:00 PM	OTHER INTERVERTEBRAL DISC DEGENERATION, LUMBAR REGION	HEMILAMINECTOMY	3	0	7	81	NO	
1362	294632	476144	30	M	A+	9-19-2019 6:02 PM	9-23-2019 12:00 AM	9-30-2019 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	3	0	11	41	NO	
1363	295117	475835	36	F	B+	10-3-2019 4:10 PM	10-4-2019 12:00 AM	10-14-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY LOBECTOMY TEMPORAL	2	0	11	120	NO	
1364	295247	476333	45	M	O+	10-9-2019 3:55 PM	10-15-2019 12:00 AM	10-21-2019 4:00 PM	DISORDER OF BONE, UNSPECIFIED	LAMINECTOMY & CORPECTOMY & FUSION	4	4	12	17	NO	
1365	295245	322240	58	M	O+	10-9-2019 4:39 PM	10-14-2019 12:00 AM	10-17-2019 4:00 PM	OTH THORACIC, THRCLM AND LUMBOSACR INTVRT DISC DEGENERATION	DISECTOMY LUMBAR	1	0	8	27	NO	
1366	295441	476792	55	M	O+	10-14-2019 3:46 PM	10-16-2019 12:00 AM	10-21-2019 4:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY CERVICAL	1	0	7	22	NO	
1367	295415	468235	36	M	A+	10-14-2019 4:44 PM	10-17-2019 12:00 AM	10-21-2019 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL ANTERIR	1	0	7	4	NO	
1368	295562	366845	42	M	O+	10-17-2019 5:25 PM	10-18-2019 12:00 AM	10-21-2019 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	4	33	NO	
1369	295694	477128	68	M	A+	10-21-2019 4:33 PM	10-25-2019 12:00 AM	10-30-2019 4:30 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	9	46	NO	
1370	295686	471849														

1385	297638	479220	30	M	O+	12-16-2019 4:27 PM	12-23-2019 12:00 AM	1-2-2020 5:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	1	0	17	27	NO	
1386	297771	480543	44	F	A+	12-19-2019 4:25 PM	12-23-2019 12:00 AM	12-27-2019 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL ANTERIR	6	4	8	21	NO	
1387	297922	480005	53	M	O+	12-26-2019 4:31 PM	12-30-2019 12:00 AM	1-6-2020 3:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY AND DECOPRESSION FOR LUMBAR CANAL STENOSIS	1	0	11	29	NO	
1388	298047	474312	60	M	B+	12-30-2019 5:03 PM	1-2-2020 12:00 AM	1-6-2020 3:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	3	0	7	49	NO	
1389	298042	480990	50	F	AB-	12-30-2019 5:47 PM	1-10-2020 12:00 AM	1-20-2020 5:00 PM	WEDGE COMPRESSION FRACTURE OF UNSP LUMBAR VERTEBRA, INIT	LAMINECTOMY LUMBAR	2	1	21	18	NO	
1390	298118	481319	37	M	O+	1-1-2020 1:25 PM	1-3-2020 12:00 AM	1-6-2020 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	5	31	NO	
1391	298164	480678	36	M	AB+	1-2-2020 2:36 PM	1-6-2020 12:00 AM	1-9-2020 5:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	FORAMINOTOMY	1	0	7	61	NO	
1392	298276	480441	44	M	O+	1-6-2020 2:33 PM	1-13-2020 12:00 AM	1-16-2020 4:00 PM	OTHER CERVICAL DISC DISORDERS, UNSPECIFIED CERVICAL REGION	LAMINECTOMY CERVICAL	1	0	10	14	NO	
1393	298280	478608	48	F	O+	1-6-2020 2:58 PM	1-9-2020 12:00 AM	1-21-2020 4:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	LAMINECTOMY & FUSION	5	3	15	92	NO	
1394	298293	470860	19	M	A+	1-6-2020 3:02 PM	1-13-2020 12:00 AM	1-30-2020 4:00 PM	DISLOCATION OF C1/C2 CERVICAL VERTEBRAE, INITIAL ENCOUNTER	FUSION C1,C2 POSTERIOR APPROACH	3	0	24	70	NO	
1395	298369	480452	53	F	B+	1-8-2020 4:10 PM	1-14-2020 12:00 AM	2-10-2020 4:00 PM	SPONDYLOLISTHESIS, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	33	360	NO	
1396	298646	479160	70	F	O+	1-16-2020 2:26 PM	1-21-2020 12:00 AM	1-24-2020 5:00 PM	SPONDYLOPATHY, UNSPECIFIED	LAMINECTOMY & DISECTOMY	1	0	8	22	NO	
1397	298642	478597	43	M	B+	1-16-2020 3:47 PM	1-21-2020 12:00 AM	1-23-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	7	22	NO	
1398	298759	481624	31	F	B+	1-20-2020 2:59 PM	1-23-2020 12:00 AM	2-7-2020 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	2	0	18	99	NO	
1399	298762	481437	46	M	A+	1-20-2020 3:19 PM	1-24-2020 12:00 AM	1-30-2020 4:00 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	LAMINECTOMY & FUSION	1	0	10	67	NO	
1400	298757	480373	59	M	A+	1-20-2020 3:55 PM	1-27-2020 12:00 AM	2-3-2020 5:00 PM	MALIGNANT NEOPLASM OF BONE AND ARTICULAR CARTILAGE, UNSP	LAMINECTOMY & FUSION	4	4	14	12	NO	
1401	298760	478694	30	M	O-	1-20-2020 4:32 PM	1-23-2020 12:00 AM	1-27-2020 4:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	7	19	NO	
1402	298906	481587	44	F	B+	1-23-2020 3:24 PM	1-27-2020 12:00 AM	2-6-2020 6:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF SPINAL CORD	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	0	0	14	82	NO	
1403	299030	481935	53	M	A+	1-27-2020 2:59 PM	1-30-2020 12:00 AM	2-3-2020 5:00 PM	OTHER CERVICAL DISC DISPLACEMENT	DISECTOMY CERVICAL	2	0	7	3	NO	
1404	299383	482479	60	F	O+	2-6-2020 5:30 PM	2-10-2020 12:00 AM	2-13-2020 4:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	7	44	NO	
1405	299389	483037	50	F	A+	2-6-2020 5:35 PM	2-11-2020 12:00 AM	2-13-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	2	0	7	78	NO	
1406	299392	480591	45	F	O+	2-6-2020 6:07 PM	2-14-2020 12:00 AM	2-25-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL	2	0	19	119	NO	
1407	299487	482269	65	F	O-	2-10-2020 4:08 PM	2-24-2020 12:00 AM	3-2-2020 4:00 PM	SPONDYLOLISTHESIS, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	2	0	21	21	NO	
1408	299746	483098	45	F	A+	2-17-2020 2:31 PM	2-20-2020 12:00 AM	2-27-2020 3:30 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY EXCISION OF MASS	2	0	10	66	NO	
1409	299869	474845	56	M	O+	2-20-2020 4:52 PM	3-2-2020 12:00 AM	3-11-2020 4:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & FUSION	4	0	20	22	NO	
1410	299982	483310	38	F	A+	2-24-2020 4:45 PM	2-28-2020 12:00 AM	3-2-2020 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	1	0	7	34	NO	
1411	300141	484268	31	M	B+	2-28-2020 4:57 PM	3-2-2020 12:00 AM	3-5-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	0	0	6	8	NO	
1412	300371	481377	64	F	O+	3-5-2020 2:41 PM	3-10-2020 12:00 AM	3-20-2020 3:30 PM	SPONDYLOLISTHESIS, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	2	2	15	141	NO	
1413	300374	182632	61	M	AB+	3-5-2020 3:03 PM	3-12-2020 12:00 AM	3-19-2020 4:00 PM	DISORDER OF LIGAMENT, UNSPECIFIED SITE	LAMINECTOMY EXCISION LIGAMENTUM FLAVUM	2	1	14	99	NO	
1414	300508	482761	23	M	A+	3-10-2020 2:41 PM	3-13-2020 12:00 AM	3-19-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY DISECTOMY	1	0	9	91	NO	
1415	300945	484677	48	M	O+	5-11-2020 2:30 PM	5-13-2020 12:00 AM	5-18-2020 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL	1	0	7	7	NO	
1416	300989	484929	31	F	O+	5-13-2020 1:47 PM	5-14-2020 12:00 AM	5-16-2020 4:00 PM	OTH THORACIC, THRCLM AND LUMBOSACR INTVRT DISC DEGENERATION	HEMILAMINECTOMY	0	0	3	2	NO	
1417	301059	485109	53	M	O+	5-18-2020 2:31 PM	5-21-2020 12:00 AM	5-29-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	2	2	11	70	NO	
1418	301057	377417	53	M	O+	5-18-2020 2:36 PM	5-20-2020 12:00 AM	5-28-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	0	0	10	40	NO	
1419	301131	483814	70	M	O+	5-22-2020 3:00 PM	5-26-2020 12:00 AM	6-1-2020 3:30 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DECOMPRESSIVE LAMINECTOMY & FUSION	2	1	10	20	NO	
1420	301285	485649	26	F	O+	6-1-2020 2:04 PM	6-4-2020 12:00 AM	6-11-2020 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	2	1	10	22	NO	
1421	301290	483089	48	F	O+	6-1-2020 2:07 PM	6-4-2020 12:00 AM	6-11-2020 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	2	2	10	18	NO	
1422	301344	485368	54	M	B+	6-4-2020 2:40 PM	6-5-2020 12:00 AM	6-11-2020 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	7	3	NO	
1423	301398	483174	37	F	B+	6-8-2020 2:53 PM	6-9-2020 12:00 AM	6-15-2020 4:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	LAMINECTOMY EXCISION OF MASS	0	0	7	21	NO	
1424	301593	382578	22	M	O+	6-17-2020 3:27 PM	6-19-2020 12:00 AM	6-25-2020 6:00 PM	COMPLETE LESION AT C2 LEVEL OF CERVICAL SPINAL CORD, SUBS	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	8	74	NO	
1425	301853	180940	47	F	A+	7-1-2020 3:32 PM	7-3-2020 12:00 AM	7-10-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	FUSION SPINAL SURGICAL	2	2	9	72	NO	
1426	301879	342303	39	M	O+	7-2-2020 4:32 PM	7-6-2020 12:00 AM	7-13-2020 6:00 PM	COMPRESSION OF BRAIN	RE-EXPLORATION BRAIN	2	1	11	21	NO	
1427	302032	483176	58	M	A+	7-13-2020 3:42 PM	7-15-2020 12:00 AM	7-21-2020 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL	1	0	8	21	NO	
1428	302063	484729	45	M	O+	7-16-2020 2:18 PM	7-27-2020 12:00 AM	8-10-2020 4:00 PM	COMPLETE LESION AT C4 LEVEL OF CERVICAL SPINAL CORD, INIT	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	1	0	25	18	NO	
1429	302093	485978	22	F	A+	7-21-2020 2:40 PM	7-30-2020 12:00 AM	8-4-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	5	4	14	107	NO	
1430	302100	345811	55	F	A+	7-21-2020 2:56 PM	7-27-2020 12:00 AM	8-3-2020 3:00 PM	SUBLUXATION OF UNSPECIFIED CERVICAL VERTEBRAE, INIT ENCNTR	FUSION C1,C2 POSTERIOR APPROACH	1	1	13	23	NO	
1431	302105	486649	34	M	A+	7-22-2020 3:10 PM	7-23-2020 12:00 AM	7-24-2020 4:10 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINOTOMY	0	0	2	20	NO	
1432	302119	486206	44	F	O+	7-23-2020 2:15 PM	7-28-2020 12:00 AM	8-8-2020 3:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	1	0	16	44	NO	
1433	302178	448188	39	M	O+	7-30-2020 3:05 PM	8-6-2020 12:00 AM	8-12-2020 2:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & FUSION	2	2	13	25	NO	
1434	302209	486107	57	M	O+	8-5-2020 1:53 PM	8-7-2020 12:00 AM	8-18-2020 5:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	4	3	13	66	NO	
1435	302251	486970	46	F	O+	8-10-2020 3:28 PM	8-13-2020 12:00 AM	8-15-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	1	0	5	21	NO	
1436	302296	368507	33	F	A+	8-13-2020 2:45 PM	8-21-2020 12:00 AM	8-22-2020 2:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBAR REGION	DISECTOMY LUMBAR	1	0	9	3	NO	
1437	302421	484935	52	F	O+	8-21-2020 3:54 PM	8-28-2020 12:00 AM	9-7-2020 3:30 PM	OTHER SPONDYLOSIS WITH MYELOPATHY, CERVICAL REGION	DECOMPRESSIVE LAMINECTOMY & FUSION	1	0	17	0	NO	
1438	302530	474283	34	F	O+	9-1-2020 6:42 PM	9-3-2020 12:00 AM	9-4-2020 2:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	0	0	3	29	NO	
1439	302636	487207	65	M	O-	9-8-2020 3:27 PM	9-15-2020 12:00 AM	9-22-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DECOMPRESSIVE LAMINECTOMY & FUSION	2	1	14	22	NO	
1440	302722	487637	52	M	O+	9-14-2020 3:31 PM	9-16-2020 12:00 AM	9-17-2020 3:00 PM	OTHER INTERVERTEBRAL DISC DISORDERS, LUMBOSACRAL REGION	DISECTOMY LUMBAR	1	0	3	6	NO	
1441	303265	460270	27	M	A+	10-17-2020 5:36 PM	10-20-2020 12:00 AM	10-27-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	2	0	10	45	NO	
1442	303314	488595	31	F	O+	10-20-2020 4:04 PM	10-21-2020 12:00 AM	10-23-2020 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY DISECTOMY	1	0	3	9	NO	
1443	303366	488119	34	M	O+	10-22-2020 3:48 PM	10-23-2020 12:00 AM	10-24-2020 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	0	0	2	1	NO	
1444	303679	488732	55	F	O+	11-9-2020 2:21 PM	11-12-2020 12:00 AM	11-16-2020 2:20 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY EXCISION OF MASS	2	0	7	94	NO	
1445	303694	489794	46	F	B+	11-9-2020 3:54 PM	11-11-2020 12:00 AM	11-12-2020 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	1	0	3	3	NO	
1446	303753	488084	74	M	A+	11-12-2020 3:34 PM	11-17-2020 12:00 AM	11-21-2020 5:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY CERVICAL	1	0	9	26	NO	
1447	303755	487574	47	M	B+	11-12-2020 3:36 PM	11-20-2020 12:00 AM	11-25-2020 4:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & FUSION	2	0	13	26	NO	
1448	303934	489209	38	M	A+	11-22-2020 6:51 PM	11-23-2020 12:00 AM	11-27-2020 4:00 PM	OTHER SPECIFIED DISEASES OF SPINAL CORD	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	5	44	NO	
1449	304055	488826	38	M	B+	11-27-2020 3:07 PM	12-1-2020 12:00 AM	12-7-2020 4:00 PM	OTHER SPECIFIED DISEASES OF SPINAL CORD	LAMINECTOMY	2	0	10	19	NO	
1450	304075	489673	51	M	A-	11-28-2020 3:56 PM	12-1-2020 12:00 AM	12-6-2020 11:30 AM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BRAIN, INFRATENTORIAL	CRANIOTOMY AND EXCISION ON CERVICAL ARCH	3	0	8	44	NO	
1451	304146	490146	67	F	A+	12-1-2020 3:11 PM	12-7-2020 12:00 AM	12-9-2020 6:00 PM	OTHER SPECIFIED DISEASES OF SPINAL CORD	LAMINECTOMY	2	0	8	25	NO	
1452																

1467	305676	489528	64	M	A+	1-28-2021 3:46 PM	2-2-2021 12:00 AM	2-5-2021 4:00 PM	MULTIPLE MYELOMA	CORPECTOMY & FUSION	2	1	8	19	NO	
1468	305677	490015	30	M	O+	1-28-2021 5:24 PM	2-4-2021 12:00 AM	2-5-2021 2:45 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	0	0	8	23	NO	
1469	305841	490043	46	F	A+	2-3-2021 3:53 PM	2-10-2021 12:00 AM	2-17-2021 6:00 PM	CERVICAL DISC DISORDER AT C5-C6 LEVEL WITH MYELOPATHY	DISCECTOMY CERVICAL	2	1	14	43	NO	
1470	305876	489388	45	M	O+	2-4-2021 3:23 PM	2-11-2021 12:00 AM	2-15-2021 4:00 PM	CERVICAL DISC DISORDER AT C4-C5 LEVEL WITH MYELOPATHY	CORPECTOMY & FUSION	4	2	11	21	NO	
1471	305877	492276	46	M	B+	2-4-2021 3:43 PM	2-15-2021 12:00 AM	2-17-2021 6:00 PM	CERVICAL DISC DISORDER AT C4-C5 LEVEL WITH MYELOPATHY	LAMINECTOMY & FUSION	3	0	13	25	NO	
1472	305990	491758	60	F	A+	2-8-2021 3:30 PM	2-17-2021 12:00 AM	2-23-2021 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	1	15	0	NO	
1473	306627	492553	27	M	B+	3-1-2021 4:03 PM	3-4-2021 12:00 AM	3-8-2021 4:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	7	39	NO	
1474	307171	491119	47	M	B+	3-19-2021 4:41 PM	3-25-2021 12:00 AM	4-5-2021 3:45 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY & FUSION	2	0	17	9	NO	
1475	307170	493511	43	M	A+	3-19-2021 4:44 PM	3-23-2021 12:00 AM	3-29-2021 3:00 PM	DISORDER OF LIGAMENT, VERTEBRAE	LAMINECTOMY EXCISION LIGAMENTUM FLAVUM	1	1	10	22	NO	
1476	307608	238191	49	M	B+	4-4-2021 2:30 PM	4-12-2021 12:00 AM	4-19-2021 7:30 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY LUMBAR	2	0	15	5	NO	
1477	307638	387684	50	F	O-	4-5-2021 5:25 PM	4-13-2021 12:00 AM	4-19-2021 7:30 PM	SPINAL STENOSIS, CERVICAL REGION	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	14	43	NO	
1478	308612	270363	75	M	B+	5-25-2021 3:35 PM	5-27-2021 12:00 AM	6-12-2021 3:00 PM	BENIGN NEOPLASM OF PRPH NERVES AND AUTONM NERVOUS SYS, UNSP	RE-EXPLORATION SPINAL CORD	2	0	18	19	NO	
1479	308636	498467	38	M	A+	5-26-2021 3:56 PM	6-1-2021 12:00 AM	6-17-2021 4:00 PM	CEREBRAL CYSTS	LAMINOPLASTY	2	0	22	5	NO	
1480	308697	498504	48	M	A-	5-30-2021 10:47 PM	6-2-2021 12:00 AM	6-5-2021 3:00 PM	OTHER SPECIFIED DISEASES OF SPINAL CORD	CORPECTOMY & FUSION	2	0	6	21	NO	
1481	308832	494889	68	M	A+	6-7-2021 3:42 PM	6-14-2021 12:00 AM	6-17-2021 4:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY & FUSION	2	0	10	22	NO	
1482	308959	498802	27	M	B+	6-12-2021 5:28 PM	6-15-2021 12:00 AM	6-17-2021 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	5	3	NO	
1483	309082	497510	66	M	B+	6-17-2021 3:18 PM	6-21-2021 12:00 AM	7-2-2021 4:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	15	21	NO	
1484	309532	495246	49	F	O+	7-5-2021 3:50 PM	7-7-2021 12:00 AM	7-15-2021 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL ANTERIR	4	0	10	20	NO	
1485	309531	490703	34	M	A+	7-5-2021 3:51 PM	7-8-2021 12:00 AM	7-12-2021 4:00 PM	SPINAL STENOSIS, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	1	7	6	NO	
1486	309987	499584	74	M	O+	7-21-2021 5:00 PM	7-27-2021 12:00 PM	8-5-2021 4:00 PM	UNSPECIFIED CORD COMPRESSION	ANEURYSMORRAPHY	7	4	15	94	NO	
1487	310095	495060	61	F	B+	7-26-2021 3:59 PM	7-29-2021 12:00 AM	8-3-2021 6:00 PM	SPONDYLOLYSIS, LUMBAR REGION	LAMINECTOMY & DISECTOMY	2	1	8	15	NO	
1488	310112	500649	18	M	B+	7-26-2021 5:55 PM	7-30-2021 12:00 AM	8-2-2021 3:30 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	7	4	NO	
1489	310185	498670	62	M	O+	7-28-2021 4:30 PM	8-2-2021 12:00 AM	8-5-2021 5:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY & FUSION	2	0	8	23	NO	
1490	310209	499874	47	M	B+	7-29-2021 5:00 PM	7-30-2021 12:00 AM	8-9-2021 6:00 PM	OTH THORACIC, THRCLM AND LUMBOSACR INTVRT DISC DEGENERATION	LAMINOTOMY AND DECOMPRESSION OF TUMOR	1	0	11	16	NO	
1491	310483	500224	40	M	B+	8-9-2021 3:50 PM	8-12-2021 12:00 AM	8-16-2021 6:00 PM	OTH THORACIC, THRCLM AND LUMBOSACR INTVRT DISC DEGENERATION	DISCECTOMY CERVICAL	2	0	7	18	NO	
1492	310644	499623	29	M	A+	8-13-2021 3:47 PM	8-17-2021 12:00 AM	8-23-2021 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	LAMINOTOMY AND DECOMPRESSION OF TUMOR	2	0	10	18	NO	
1493	310706	492512	40	M	B+	8-16-2021 4:00 PM	8-18-2021 12:00 AM	8-21-2021 2:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	LAMINECTOMY & DISECTOMY	1	0	5	3	NO	
1494	310709	485717	38	F	O+	8-16-2021 4:13 PM	8-26-2021 12:00 AM	9-1-2021 4:00 PM	SPONDYLOLISTHESIS, SITE UNSPECIFIED	LAMINECTOMY & FUSION	2	0	16	115	NO	
1495	310738	488320	62	F	A-	8-17-2021 3:18 PM	8-27-2021 12:00 AM	9-4-2021 5:00 PM	SPONDYLOLISTHESIS, LUMBAR REGION	DECOMPRESSIVE LAMINECTOMY & FUSION	2	2	18	160	NO	
1496	310874	500329	45	M	A+	8-24-2021 4:48 PM	9-3-2021 12:00 AM	9-8-2021 7:00 AM	TUBERCULOSIS OF OTHER SITES	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	2	15	10	NO	
1497	310939	500501	32	F	O+	8-25-2021 3:39 PM	8-27-2021 12:00 AM	8-29-2021 4:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	1	0	4	7	NO	
1498	310937	496756	42	F	O+	8-25-2021 3:44 PM	9-2-2021 12:00 AM	9-6-2021 5:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY LUMBAR	2	0	12	24	NO	
1499	310934	498798	40	M	A+	8-25-2021 3:51 PM	8-31-2021 12:00 AM	9-2-2021 3:00 PM	OTHER INTERVERTEBRAL DISC DISPLACEMENT, LUMBOSACRAL REGION	DISECTOMY CERVICAL ANTERIR	1	0	8	21	NO	
1500	311018	197449	48	F	O+	8-30-2021 2:20 PM	9-7-2021 12:00 AM	9-13-2021 7:00 PM	BEN NEOPLM OF PRPH NERVES AND AUTONM NRV SYS OF FACE/HED/NK	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	2	0	14	27	NO	
1501	311044	500614	24	M	A+	8-31-2021 3:55 PM	9-6-2021 12:00 AM	9-8-2021 4:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	LAMINECTOMY DECOMPRESSION OF LESION SPINAL CORD	2	0	8	5	NO	
1502	311043	500795	57	M	O+	8-31-2021 6:37 PM	9-7-2021 12:00 AM	9-16-2021 5:00 PM	OTHER SPECIFIED DORSOPATHIES, CERVICAL REGION	LAMINECTOMY CERVICAL	2	0	16	20	NO	
1503	311196	494372	28	M	A+	9-4-2021 4:42 PM	9-8-2021 12:00 AM	9-11-2021 12:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	HEMILAMINECTOMY	0	0	7	46	NO	
1504	311629	501477	73	F	B+	9-20-2021 4:36 PM	7-24-2021 12:00 AM	9-28-2021 4:00 PM	BENIGN NEOPLASM OF SPINAL MENINGES	HEMILAMINECTOMY	1	0	8	7	NO	
1505	296691	466554	45	M	O+	11-18-2019 4:08 PM	11-20-2019 12:00 AM	12-2-2019 4:00 PM	MALIGNANT NEOPLASM OF VERTEBRAL COLUMN	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	2	0	14	15	NO	
1506	287263	463021	55	M	AB-	2-11-2019 6:25 PM	2-14-2019 12:00 AM	2-19-2019 4:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	LAMINECTOMY EXCISION OF CYST	1	0	8	21	NO	
1507	287510	464500	28	F	AB+	2-18-2019 4:52 PM	2-21-2019 12:00 AM	2-25-2019 4:00 PM	MALIGNANT NEOPLASM OF FRONTAL LOBE	CRANIOTOMY EXCISION LESION BRAIN	2	0	7	20	NO	
1508	307640	493517	46	M	O+	4-5-2021 5:04 PM	4-16-2021 12:00 AM	4-18-2021 3:30 PM	OTHER MALFORMATIONS OF CEREBRAL VESSELS	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	4	0	13	41	NO	
1509	308445	492482	45	F	B+	5-14-2021 2:33 PM	5-20-2021 12:00 AM	5-22-2021 5:00 PM	OTHER MALFORMATIONS OF CEREBRAL VESSELS	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	3	0	8	21	NO	
1510	308584	497941	39	M	O=	5-24-2021 3:01 PM	5-27-2021 12:00 AM	5-29-2021 4:00 PM	OTHER MALFORMATIONS OF CEREBRAL VESSELS	DECOMPRESSION TUMOR SPHENOIDAL	2	0	5	21	NO	
1511	273424	438759	20	M	AB+	1-9-2018 3:42 PM	1-19-2018 12:00 AM	1-24-2018 5:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	0	15	62	NO	
1512	273724	445022	64	F	A+	1-17-2018 4:31 PM	1-23-2018 12:00 AM	1-29-2018 4:00 PM	NONTRAUMATIC SUBARACHNOID HEMORRHAGE FROM UNSP INTRACRAN AR	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	4	0	12	21	NO	
1513	274369	440892	35	F	O+	2-5-2018 5:41 PM	2-7-2018 12:00 AM	2-12-2018 3:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	EXCISION ARTERIOVENOUS MALFORMATION	2	0	7	21	NO	
1514	275310	447568	24	M	O+	3-5-2018 4:30 PM	3-12-2018 12:00 AM	3-15-2018 4:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	LAMINECTOMY EXCISION OF A V M	2	1	10	44	NO	
1515	276812	438251	57	M	O+	4-16-2018 4:49 PM	4-26-2018 12:00 AM	4-30-2018 6:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	3	0	14	18	NO	
1516	277539	450651	23	M	B+	5-7-2018 6:17 PM	5-22-2018 12:00 AM	5-29-2018 4:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	0	22	41	NO	
1517	279266	346837	28	M	O+	6-25-2018 4:35 PM	7-4-2018 12:00 AM	7-9-2018 3:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	3	1	14	19	NO	
1518	282179	392388	45	M	B+	9-17-2018 5:30 PM	9-26-2018 12:00 AM	10-3-2018 3:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	6	2	16	43	NO	
1519	282207	447633	21	M	B+	9-18-2018 3:56 PM	9-21-2018 12:00 AM	9-28-2018 4:00 PM	ARTERIOVENOUS FISTULA, ACQUIRED	CRANIOTOMY EXCISION FISTULA ARTERIOVENOUS	4	0	10	65	NO	
1520	285909	458438	46	F	B+	1-3-2019 5:01 PM	1-7-2019 12:00 AM	1-21-2019 4:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	3	0	18	21	NO	
1521	287254	451420	33	M	AB+	2-11-2019 5:22 PM	2-15-2019 12:00 AM	2-19-2019 4:15 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	1	8	56	NO	
1522	287981	457488	21	M	O+	3-5-2019 10:38 PM	3-15-2019 12:00 AM	3-19-2019 3:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	3	0	14	70	NO	
1523	288720	465018	29	F	A+	3-25-2019 5:42 PM	4-5-2019 12:00 AM	4-16-2019 5:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	LAMINECTOMY AND EXCISION OF AVF	5	4	22	99	NO	
1524	290592	461687	24	M	B+	5-20-2019 4:54 PM	5-28-2019 12:00 AM	5-30-2019 5:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	1	0	10	23	NO	
1525	290892	253973	36	M	A+	5-28-2019 3:02 PM	6-3-2019 12:00 AM	6-6-2019 4:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	0	9	65	NO	
1526	292110	465281	32	F	A+	7-2-2019 3:42 PM	7-14-2019 12:00 AM	8-1-2019 6:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	RE-EXPLORATION BRAIN	3	0	30	19	NO	
1527	292335	463491	18	M	B+	7-8-2019 3:27 PM	7-19-2019 12:00 AM	7-29-2019 4:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	3	0	21	108	NO	
1528	293541	466354	27	F	A+	8-12-2019 4:08 PM	8-20-2019 12:00 AM	9-2-2019 4:00 PM	ARTERIOVENOUS MALFORMATION OF DIGESTIVE SYSTEM VESSEL	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	7	3	21	74	NO	
1529	294213	463879	34	F	O+	9-2-2019 4:32 PM	9-6-2019 12:00 AM	9-10-2019 5:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	1	8	16	NO	
1530	295251	460001	43	M	O+	10-9-2019 4:33 PM	10-15-2019 12:00 AM	10-24-2019 4:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	0	15	24	NO	
1531	296219	475917	43	M	B+	11-4-2019 3:54 PM	11-8-2019 12:00 AM	11-14-2019 3:00 PM	ARTERIOVENOUS FISTULA, ACQUIRED	CRANIOTOMY EXCISION FISTULA ARTERIOVENOUS	2	0	10	110	NO	
1532	299263	358798	46	F	A+	2-3-2020 4:27 PM	2-7-2020 12:00 AM	2-13-2020 4:00 PM	OTHER CONGENITAL MALFORMATIONS OF BRAIN	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	1	10	62	NO	
1533	299981	480348	26	F	A+	2-24-2020 6:04 PM	2-26-2020 12:00 AM	3-5-2020 5:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	2	10	14	NO	
1534	300372	471838	21	M	B+	3-5-2020 3:08 PM										

1549	310280	501419	38	F	O+	8-2-2021 1:52 PM	8-3-2021 12:00 AM	8-10-2021 4:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	2	8	0	NO	
1550	310635	495207	33	M	B-	8-12-2021 5:19 PM	8-19-2021 12:00 AM	8-25-2021 6:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	0	13	99	NO	
1551	310643	498809	35	F	O+	8-13-2021 3:30 PM	8-17-2021 12:00 AM	8-20-2021 5:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	1	7	20	NO	
1552	310829	500032	18	M	B+	8-23-2021 3:42 PM	8-27-2021 12:00 AM	9-1-2021 4:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	5	4	9	87	NO	
1553	310826	498703	33	M	A+	8-23-2021 3:42 PM	8-27-2021 12:00 AM	9-2-2021 4:20 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	9	4	10	133	NO	
1554	311281	500899	26	M	AB+	9-7-2021 4:01 PM	9-14-2021 12:00 AM	9-17-2021 5:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	3	2	10	19	NO	
1555	311421	316278	25	M	O+	9-13-2021 5:59 PM	9-22-2021 12:00 AM	9-28-2021 4:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	2	1	15	71	NO	
1556	311492	499536	21	F	A+	9-15-2021 3:36 PM	9-24-2021 12:00 AM	9-28-2021 4:00 PM	ARTERIOVENOUS MALFORMATION, OTHER SITE	CRANIOTOMY EXCISION ARTERIOVENOUS MALFORMATION	3	2	13	21	NO	
1557	273492	444891	35	F	B+	1-11-2018 3:26 PM	1-12-2018 12:00 AM	1-16-2018 2:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	5	68	NO	
1558	274198	445981	25	M	B+	2-1-2018 1:15 PM	2-5-2018 12:00 AM	2-8-2018 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	7	115	NO	
1559	274208	445208	22	M	B-	2-1-2018 5:13 PM	2-7-2018 12:00 AM	2-12-2018 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	11	23	NO	
1560	274366	444291	42	F	B+	2-5-2018 5:31 PM	2-14-2018 12:00 AM	2-26-2018 3:30 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	3	2	21	55	NO	
1561	274865	446935	30	F	O+	2-20-2018 5:17 PM	2-22-2018 12:00 AM	3-5-2018 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	13	22	NO	
1562	275333	431154	18	M	O+	3-5-2018 5:09 PM	3-7-2018 12:00 AM	3-12-2018 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	7	26	NO	
1563	279069	453036	33	F	O+	6-19-2018 4:28 PM	6-20-2018 12:00 AM	6-25-2018 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	6	22	NO	
1564	279342	453465	25	M	B+	6-27-2018 2:54 PM	6-28-2018 12:00 AM	7-2-2018 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	5	25	NO	
1565	281915	456640	22	F	B+	9-10-2018 4:22 PM	9-12-2018 12:00 AM	9-17-2018 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	7	28	NO	
1566	282023	293381	54	M	O+	9-13-2018 5:43 PM	9-14-2018 12:00 AM	9-24-2018 6:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	11	88	NO	
1567	282640	456922	35	M	A+	10-1-2018 5:11 PM	10-3-2018 12:00 AM	10-8-2018 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	7	28	NO	
1568	284209	460055	26	F	B+	11-15-2018 3:57 PM	11-19-2018 12:00 AM	11-23-2018 2:30 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	8	46	NO	
1569	284331	458507	40	M	A+	11-19-2018 5:02 PM	11-23-2018 12:00 AM	11-26-2018 1:15 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	7	72	NO	
1570	284333	459316	40	M	A+	11-19-2018 5:25 PM	11-22-2018 12:00 AM	11-26-2018 2:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	7	23	NO	
1571	284425	460367	27	M	B+	11-22-2018 5:03 PM	11-28-2018 12:00 AM	12-3-2018 1:30 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	3	0	11	26	NO	
1572	286114	463253	20	M	B+	1-9-2019 2:33 PM	1-11-2019 12:00 AM	1-14-2019 3:30 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	5	52	NO	
1573	286288	463259	46	M	B+	1-14-2019 3:50 PM	1-22-2019 12:00 AM	1-24-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	3	0	10	24	NO	
1574	287257	464988	42	M	B+	2-11-2019 5:20 PM	2-13-2019 12:00 AM	2-18-2019 6:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	7	22	NO	
1575	289236	467613	33	F	A+	4-8-2019 6:00 PM	4-11-2019 12:00 AM	4-16-2019 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	8	21	NO	
1576	290067	468736	37	M	A+	5-6-2019 5:29 PM	5-9-2019 12:00 AM	5-14-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	8	24	NO	
1577	291077	470453	30	F	B+	6-3-2019 4:12 PM	6-6-2019 12:00 AM	6-10-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	7	59	NO	
1578	291624	464532	60	M	O+	6-18-2019 5:21 PM	6-20-2019 12:00 AM	6-25-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	7	28	NO	
1579	292382	399029	54	M	A+	7-9-2019 4:08 PM	7-12-2019 12:00 AM	7-15-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	6	65	NO	
1580	292836	473346	39	F	A+	7-22-2019 4:22 PM	7-25-2019 12:00 AM	7-29-2019 2:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	7	22	NO	
1581	293189	473897	39	M	O+	8-1-2019 5:52 PM	8-7-2019 12:00 AM	8-12-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	11	22	NO	
1582	293429	474210	47	M	A+	8-8-2019 2:38 PM	8-12-2019 12:00 AM	8-19-2019 5:10 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	11	21	NO	
1583	293431	473194	40	F	A+	8-8-2019 2:59 PM	8-15-2019 12:00 AM	8-19-2019 4:10 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	11	19	NO	
1584	295013	476778	36	M	O+	9-30-2019 6:41 PM	10-1-2019 12:00 AM	10-7-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	7	29	NO	
1585	295941	455308	31	M	O+	10-28-2019 4:38 PM	10-31-2019 12:00 AM	11-4-2019 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	7	21	NO	
1586	297844	478903	21	M	B+	12-23-2019 4:09 PM	12-27-2019 12:00 AM	1-1-2020 3:30 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	9	0	NO	
1587	298801	482324	26	M	O+	1-21-2020 1:35 PM	1-22-2020 12:00 AM	1-27-2020 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	6	23	NO	
1588	298894	482524	28	F	O+	1-23-2020 12:57 PM	1-24-2020 12:00 AM	2-6-2020 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	14	26	NO	
1589	301394	484024	35	M	B+	6-8-2020 12:44 PM	6-12-2020 12:00 AM	6-17-2020 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	1	0	9	71	NO	
1590	308446	497689	28	M	O+	5-14-2021 2:49 PM	5-17-2021 12:00 AM	5-20-2021 5:00 PM	OBSTRUCTIVE HYDROCEPHALUS	CRANIOTOMY EXCISION CYST COLLOID	2	0	6	16	NO	
1591	309338	490952	31	F	O+	6-28-2021 3:29 PM	7-2-2021 12:00 AM	7-9-2021 3:00 PM	CONGENITAL CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	11	66	NO	
1592	310092	500829	31	F	B+	7-26-2021 2:45 PM	7-26-2021 12:00 AM	7-28-2021 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	0	0	2	15	NO	
1593	310333	497218	32	F	B+	8-3-2021 3:59 PM	8-4-2021 12:00 AM	8-6-2021 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	3	3	NO	
1594	310492	340829	24	F	A+	8-9-2021 5:26 PM	8-13-2021 12:00 AM	8-16-2021 2:45 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	7	14	NO	
1595	310865	501135	29	F	AB+	8-24-2021 5:15 PM	8-26-2021 12:00 AM	8-29-2021 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST COLLOID	2	0	5	3	NO	
1596	273494	444763	86	F	A+	1-11-2018 3:06 PM	1-12-2018 12:00 AM	1-15-2018 1:00 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	BURR-HOLE & EVACUATION	0	0	4	71	NO	
1597	280814	453603	22	M	B+	8-6-2018 4:35 PM	8-8-2018 12:00 AM	8-16-2018 5:00 PM	LYMPHANGIOMA, ANY SITE	BURR-HOLE & EVACUATION	0	0	10	0	NO	
1598	281778	252332	82	M	A+	9-5-2018 9:21 PM	9-7-2018 12:00 AM	9-10-2018 4:00 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	BURR-HOLE & EVACUATION	1	0	5	44	NO	
1599	284579	8900258	66	M	A+	11-26-2018 6:02 PM	11-27-2018 12:00 AM	12-3-2018 1:30 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	EVACUATION HAEMATOMA SUBDURAL	3	0	7	35	NO	
1600	293455	35476	58	M	AB-	8-9-2019 4:03 PM	8-13-2019 12:00 AM	8-27-2019 5:30 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	BURR-HOLE & EVACUATION	2	0	18	139	NO	
1601	293632	473109	31	M	A+	8-15-2019 10:37 AM	8-16-2019 12:00 AM	8-26-2019 4:00 PM	LYMPHANGIOMA, ANY SITE	BURR-HOLE & EVACUATION	2	0	11	49	NO	
1602	295012	473137	43	M	B+	9-30-2019 5:37 PM	10-9-2019 12:00 AM	10-24-2019 4:00 PM	TRIGEMINAL NEURALGIA	CRANIECTOMY	2	1	24	114	NO	
1603	295288	300997	38	M	B+	10-9-2019 5:08 PM	10-11-2019 12:00 AM	10-17-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	BURR-HOLE & EVACUATION	1	0	8	3	NO	
1604	296208	478197	50	F	B+	11-4-2019 4:30 PM	11-6-2019 12:00 AM	11-11-2019 4:30 PM	LYMPHANGIOMA, ANY SITE	BURR-HOLE & EVACUATION	1	0	7	25	NO	
1605	296449	478277	59	M	B+	11-11-2019 3:01 PM	11-20-2019 12:00 AM	11-29-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	0	18	115	NO	
1606	298281	469382	38	M	O+	1-6-2020 4:40 PM	1-7-2020 12:00 AM	1-13-2020 4:58 PM	EPIDERMAL CYST	BURR-HOLE & EVACUATION	2	0	7	30	NO	
1607	298407	480705	50	F	B+	1-9-2020 3:18 PM	1-16-2020 12:00 AM	1-21-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BURR-HOLE & EVACUATION	1	0	12	7	NO	
1608	298942	482464	59	F	O+	1-24-2020 3:12 PM	1-28-2020 12:00 AM	2-3-2020 5:00 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	BURR-HOLE & EVACUATION	1	0	10	6	NO	
1609	301806	485652	80	M	AB+	6-29-2020 3:59 PM	6-30-2020 12:00 AM	7-6-2020 4:00 PM	LYMPHANGIOMA, ANY SITE	BURR-HOLE & EVACUATION	1	0	7	50	NO	
1610	301976	486533	58	F	O-	7-8-2020 2:09 PM	7-9-2020 12:00 AM	7-10-2020 4:00 PM	TRAUM SUBDR HEM W/O LOSS OF CONSCIOUSNESS, INIT	BURR-HOLE & EVACUATION	0	0	2	23	NO	
1611	302552	395719	83	F	O+	9-3-2020 3:53 PM	9-4-2020 12:00 AM	9-6-2020 3:00 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	BURR-HOLE & EVACUATION	0	0	3	62	NO	
1612	302816	488029	79	M	O-	9-20-2020 11:43 AM	9-21-2020 12:00 AM	9-22-2020 3:00 PM	NONTRAUMATIC CHRONIC SUBDURAL HEMORRHAGE	BURR-HOLE & EVACUATION	0	0	2	48	NO	
1613	304454	490754	22	M	B+	12-14-2020 2:51 PM	12-17-2020 12:00 AM	12-18-2020 4:00 PM	GRANULOMA FACIALE [EOSINOPHILIC GRANULOMA OF SKIN]	BURR-HOLE & EVACUATION	2	0	4	3	NO	
1614	307564	496954	29	F	O-	4-1-2021 10:38 PM	4-8-2021 12:00 AM	4-13-2021 5:30 PM	INTRACRANIAL ABSCESS AND GRANULOMA	BURR-HOLE & EVACUATION	2	0	12	38	NO	
1615	309813	308655	40	F	O+	7-14-2021 8:08 PM	7-15-2021 12:00 AM	7-17-2021 2:40 PM	LYMPHANGIOMA, ANY SITE	BURR-HOLE & EVACUATION	1	0	3	48	NO	
1616	309967	499665	53	M	O+	7-21-2021 3:45 PM	7-23-2021 12:00 AM	7-25-2021 3:00 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	BURR-HOLE & EVACUATION	2	0	4	5	NO	
1617	310343	439137	69	F	AB+	8-4-2021 10:52 AM	8-4-2021 12:00 AM	8-5-2021 4:00 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	BURR-HOLE & EVACUATION	0	0	1	18	NO	
1618	273620	441810														

1631	277793	9702143	21	M	AB+	5-14-2018 5:01 PM	5-18-2018 12:00 AM	5-22-2018 3:00 PM	MECH COMPL OF VENTRICULAR INTRACRANIAL SHUNT, INIT	SHUNT VENTRICULO PERITONEAL LEFT	0	0	8	47	NO	
1632	277777	414185	61	F	A+	5-14-2018 5:04 PM	5-16-2018 12:00 AM	5-21-2018 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	7	19	NO	
1633	278188	258736	54	F	B+	5-24-2018 6:08 PM	5-25-2018 12:00 AM	5-28-2018 3:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	1	0	4	89	NO	
1634	278571	414341	72	F	B+	6-4-2018 5:57 PM	6-8-2018 12:00 AM	6-11-2018 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	1	0	7	5	NO	
1635	278925	404574	52	F	B+	6-14-2018 3:46 PM	6-21-2018 12:00 AM	6-25-2018 4:00 PM	OTHER DISORDERS OF MENINGES, NOT ELSEWHERE CLASSIFIED	SHUNT THECO PERITONEAL	1	0	11	33	NO	
1636	279020	452220	35	M	O+	6-18-2018 4:18 PM	6-25-2018 12:00 AM	6-29-2018 2:00 PM	COMPRESSION OF BRAIN	SHUNT VENTRICULO PERITONEAL	0	0	11	31	NO	
1637	279576	9109048	47	M	B+	7-3-2018 3:56 PM	7-5-2018 12:00 AM	7-9-2018 2:00 PM	MECH COMPL OF VENTRICULAR INTRACRANIAL SHUNT, INIT	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	6	22	NO	
1638	279674	453390	43	F	O+	7-5-2018 5:10 PM	7-10-2018 12:00 AM	7-16-2018 5:00 PM	MALFORMATIONS OF AQUEDUCT OF SYLVIVS	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	11	25	NO	
1639	280321	194846	39	M	O+	7-23-2018 4:41 PM	8-1-2018 12:00 AM	8-6-2018 3:00 PM	NONPYOGENIC THROMBOSIS OF INTRACRANIAL VENOUS SYSTEM	SHUNT THECO PERITONEAL	2	2	14	6	NO	
1640	280364	454788	51	M	A+	7-24-2018 3:56 PM	7-25-2018 12:00 AM	7-30-2018 3:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	6	25	NO	
1641	280407	450817	25	M	O+	7-25-2018 2:49 PM	7-31-2018 12:00 AM	8-2-2018 3:00 PM	COMPRESSION OF BRAIN	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	8	34	NO	
1642	281168	245640	22	M	A+	8-16-2018 4:40 PM	8-20-2018 12:00 AM	8-23-2018 3:00 PM	MECH COMPL OF VENTRICULAR INTRACRANIAL SHUNT, INIT	REMOVAL SHUNT BRAIN	0	0	7	2	NO	
1643	281409	8601703	39	F	A+	8-28-2018 3:53 PM	8-30-2018 12:00 AM	9-3-2018 3:00 PM	MALIGNANT NEOPLASM OF CEREBELLUM	REVISION SHUNT BRAIN	1	0	6	0	NO	
1644	281656	456749	56	M	A+	9-3-2018 4:42 PM	9-12-2018 12:00 AM	9-17-2018 2:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	14	27	NO	
1645	282370	457502	80	M	A+	9-24-2018 5:25 PM	9-25-2018 12:00 AM	10-1-2018 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	7	30	NO	
1646	283021	229381	44	F	O+	10-11-2018 5:01 PM	10-15-2018 12:00 AM	10-20-2018 4:30 PM	MECH COMPL OF VENTRICULAR INTRACRANIAL SHUNT, INIT	REVISION SHUNT BRAIN	0	0	9	7	NO	
1647	284076	459234	60	M	B+	11-12-2018 5:54 PM	11-13-2018 12:00 AM	11-19-2018 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	7	9	NO	
1648	284207	458980	62	F	O-	11-15-2018 6:10 PM	11-16-2018 12:00 AM	11-19-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	4	5	NO	
1649	284341	452004	33	F	O+	11-19-2018 5:20 PM	11-23-2018 12:00 AM	11-26-2018 2:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	1	0	7	28	NO	
1650	284557	229381	44	F	O+	11-26-2018 4:15 PM	11-27-2018 12:00 AM	12-3-2018 1:30 PM	BENIGN INTRACRANIAL HYPERTENSION	REVISION SHUNT BRAIN	1	0	7	3	NO	
1651	284571	460907	56	M	B+	11-26-2018 5:02 PM	12-10-2018 12:00 AM	12-14-2018 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	2	0	18	70	NO	
1652	284842	295885	50	M	B+	12-3-2018 5:37 PM	12-4-2018 12:00 AM	12-6-2018 2:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	3	33	NO	
1653	284967	461332	46	F	AB+	12-6-2018 5:10 PM	12-10-2018 12:00 AM	12-28-2018 5:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	22	28	NO	
1654	285081	194846	39	M	O+	12-10-2018 4:46 PM	12-12-2018 12:00 AM	12-15-2018 4:00 PM	INTRACRANIAL HYPOTENSION FOLLOWING VENTRICULAR SHUNTING	LIGATION SHUNT BRAIN	0	0	5	0	NO	
1655	285773	462175	49	F	O+	12-31-2018 5:10 PM	1-2-2019 12:00 AM	1-7-2019 6:00 PM	HYDROCEPHALUS, UNSPECIFIED	VENTRICULOSTOMY	0	0	7	51	NO	
1656	286001	446995	69	F	O+	1-7-2019 3:36 AM	1-10-2019 12:00 AM	1-17-2019 5:00 PM	ANEURYSM OF CAROTID ARTERY	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	10	66	NO	
1657	286045	462773	24	F	B+	1-7-2019 6:43 PM	1-8-2019 12:00 AM	1-10-2019 5:00 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	0	0	3	23	NO	
1658	286291	461201	64	F	O-	1-14-2019 6:08 PM	1-18-2019 12:00 AM	1-24-2019 3:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	10	73	NO	
1659	286576	459615	64	F	O+	1-22-2019 3:17 PM	1-23-2019 12:00 AM	1-24-2019 7:30 PM	CEREBRAL ANEURYSM, NONRUPTURED	SHUNT VENTRICULO PERITONEAL LEFT	1	1	2	41	YES	
1660	286782	420890	36	F	O-	1-28-2019 5:06 PM	2-1-2019 12:00 AM	2-5-2019 4:00 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	2	0	8	70	NO	
1661	286823	459240	65	F	A+	1-29-2019 3:25 PM	2-11-2019 12:00 AM	2-14-2019 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	SEPTOSTOMY ENDOSCOPIC	1	0	16	23	YES	
1662	287129	462053	73	M	O+	2-7-2019 2:04 PM	2-12-2019 12:00 AM	2-18-2019 6:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	11	4	NO	
1663	287503	432956	35	F	B-	2-18-2019 5:15 PM	2-21-2019 12:00 AM	2-25-2019 4:00 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	0	0	7	0	NO	
1664	287512	9409204	60	F	O+	2-18-2019 5:54 PM	2-27-2019 12:00 AM	3-5-2019 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL	2	0	15	23	NO	
1665	287600	462214	80	F	A+	2-21-2019 4:19 PM	2-26-2019 12:00 AM	3-1-2019 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	8	25	NO	
1666	288189	462797	48	F	O-	3-11-2019 4:16 PM	3-12-2019 12:00 AM	3-14-2019 3:30 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	0	0	3	22	NO	
1667	288593	383501	47	F	O+	3-21-2019 5:26 PM	3-26-2019 12:00 AM	4-1-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	1	0	11	6	NO	
1668	288837	462797	48	F	O-	3-28-2019 1:44 PM	3-29-2019 12:00 AM	4-1-2019 3:00 PM	CEREBROSPINAL FLUID LEAK	REMOVAL SHUNT	1	0	4	1	NO	
1669	289237	466988	66	M	AB+	4-8-2019 5:53 PM	4-10-2019 12:00 AM	4-16-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	8	11	NO	
1670	289354	466020	65	F	A+	4-11-2019 4:58 PM	4-16-2019 12:00 AM	4-24-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	13	24	NO	
1671	289385	459486	45	M	B+	4-12-2019 12:55 PM	4-16-2019 12:00 AM	5-10-2019 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	1	0	28	237	NO	
1672	289846	465274	54	M	O-	4-29-2019 5:24 PM	5-7-2019 12:00 AM	5-14-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	15	2	NO	
1673	289943	445501	66	F	A+	5-2-2019 5:42 PM	5-7-2019 12:00 AM	5-10-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	8	21	NO	
1674	290871	349913	47	F	O+	5-27-2019 6:29 PM	5-30-2019 12:00 AM	6-3-2019 6:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	0	0	7	5	NO	
1675	291296	469644	65	F	O+	6-10-2019 5:20 PM	6-14-2019 12:00 AM	6-18-2019 5:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	0	0	8	72	NO	
1676	291560	471090	56	M	O+	6-17-2019 4:28 PM	6-19-2019 12:00 AM	6-24-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	VENTRICULOSTOMY	1	0	7	38	NO	
1677	291701	463129	53	F	A+	6-20-2019 5:16 PM	6-24-2019 12:00 AM	6-27-2019 4:00 PM	OBSTRUCTIVE HYPERTROPHIC CARDIOMYOPATHY	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	7	24	NO	
1678	291826	471293	64	F	O+	6-24-2019 5:07 PM	6-26-2019 12:00 AM	6-28-2019 4:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	SHUNT VENTRICULO PERITONEAL LEFT	1	0	4	2	NO	
1679	291958	472081	20	F	AB+	6-27-2019 4:24 PM	7-2-2019 12:00 AM	7-8-2019 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	11	3	NO	
1680	292057	471840	21	F	O+	7-1-2019 5:30 PM	7-5-2019 12:00 AM	7-8-2019 2:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	7	26	NO	
1681	292330	415089	30	F	B+	7-8-2019 2:46 PM	7-10-2019 12:00 AM	7-16-2019 2:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	1	0	8	1	NO	
1682	292567	472641	56	F	O+	7-15-2019 5:00 PM	7-18-2019 12:00 AM	7-22-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	2	0	7	20	NO	
1683	292935	370871	39	M	O+	7-24-2019 4:06 PM	7-26-2019 12:00 AM	8-5-2019 4:00 PM	OTHER SPECIFIED DISORDERS OF BRAIN	SEPTOSTOMY ENDOSCOPIC	0	0	12	77	NO	
1684	293105	329122	30	F	O+	7-29-2019 6:16 PM	8-6-2019 12:00 AM	8-12-2019 3:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	0	0	14	0	NO	
1685	293951	420890	37	F	O-	8-26-2019 5:31 PM	8-29-2019 12:00 AM	8-31-2019 4:00 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	0	0	5	2	NO	
1686	294093	475275	67	M	O+	8-29-2019 4:44 PM	9-2-2019 12:00 AM	9-5-2019 4:00 PM	OBSTRUCTIVE HYPERTROPHIC CARDIOMYOPATHY	VENTICULOSTOMY THIRD VENTRICULAR ENDOSCOPIC	1	0	7	87	NO	
1687	294218	468561	42	F	B+	9-2-2019 4:29 PM	9-4-2019 12:00 AM	9-10-2019 5:00 PM	POST OPERATIVE CASE NEURO	SEPTOSTOMY ENDOSCOPIC	1	0	8	18	NO	
1688	294401	444687	16	M	O+	9-12-2019 12:15 PM	9-16-2019 12:00 AM	9-23-2019 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	11	2	NO	
1689	294788	459486	46	M	B+	9-23-2019 5:10 PM	9-30-2019 12:00 AM	10-3-2019 4:00 PM	NONTRAUMATIC SUBDURAL HEMORRHAGE, UNSPECIFIED	REVISION SHUNT BRAIN	0	0	10	26	NO	
1690	295831	477658	18	F	A+	10-24-2019 5:55 PM	10-28-2019 12:00 AM	10-31-2019 5:10 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	0	0	7	1	NO	
1691	296063	471538	44	M	O-	10-31-2019 3:04 PM	11-4-2019 12:00 AM	11-11-2019 3:30 PM	SYRINGOMYELIA AND SYRINGOBULBIA	SHUNT SYRINGO SUB ARACHANOID	0	0	11	59	NO	
1692	296205	477734	23	F	O+	11-4-2019 4:57 PM	11-7-2019 12:00 AM	1-18-2020 3:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	75	24	NO	
1693	296448	477810	44	M	O+	11-11-2019 2:52 PM	11-13-2019 12:00 AM	11-18-2019 5:00 PM	BENIGN NEOPLASM OF MENINGES, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	3	0	7	9	NO	
1694	296689	478927	69	F	B+	11-18-2019 3:57 PM	11-20-2019 12:00 AM	11-25-2019 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	0	0	7	15	NO	
1695	296684	478677	56	F	O+	11-18-2019 4:33 PM	11-21-2019 12:00 AM	11-25-2019 4:00 PM	OTHER DISORDERS OF MENINGES, NOT ELSEWHERE CLASSIFIED	SHUNT THECO PERITONEAL	0	0	7	3	NO	
1696	296809	372561	57	F	B+	11-21-2019 5:26 PM	11-25-2019 12:00 AM	12-2-2019 6:00 PM	OTHER DISORDERS OF MENINGES, NOT ELSEWHERE CLASSIFIED	SHUNT THECO PERITONEAL	0	0	11	40	NO	
1697	296826	479557	24	M	O+	11-22-2019 2:38 PM	11-26-2019 12:00 AM	11-30-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	VENTRICULOSTOMY	1	0	8	3	NO	
1698	297046	473587	63	F	B+	11-28-2019 4:56 PM	12-6-2019 12:00 AM	12-9-2019 2:40 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	11	73	NO	
1699	297692	478677	56	F	O+	12-17-2019 6:08 PM	12-19-2019 12:00 AM									

1713	302028	483822	62	M	O+	7-13-2020 3:48 PM	7-16-2020 12:00 AM	7-21-2020 2:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	8	4	NO	
1714	302089	481147	67	M	O+	7-21-2020 2:47 PM	7-23-2020 12:00 AM	7-27-2020 3:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	0	0	6	23	NO	
1715	302091	485590	42	F	B+	7-21-2020 2:57 PM	7-29-2020 12:00 AM	8-10-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	20	123	NO	
1716	302200	486654	20	F	A+	8-4-2020 3:04 PM	8-7-2020 12:00 AM	8-12-2020 3:00 PM	ARNOLD-CHIARI SYNDROME WITH HYDROCEPHALUS	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	8	67	NO	
1717	302226	395958	62	F	AB+	8-6-2020 1:00 PM	8-10-2020 12:00 AM	8-13-2020 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	SHUNT VENTRICULO PERITONEAL LEFT	0	0	7	51	NO	
1718	302236	486968	41	M	B+	8-7-2020 2:54 PM	8-11-2020 12:00 AM	8-13-2020 3:00 PM	CEREBRAL CYSTS	VENTICULOSTOMY THIRD VENTRICULAR ENDOSCOPIC	2	0	6	23	NO	
1719	302288	486008	29	F	O+	8-12-2020 4:52 PM	8-19-2020 12:00 AM	8-24-2020 3:30 PM	CEREBRAL CYSTS	CRANIOTOMY FRONTO PARIETAL AND FENSTRATION	2	0	12	19	NO	
1720	302373	277163	47	F	A+	8-19-2020 2:44 PM	8-28-2020 12:00 AM	9-1-2020 4:00 PM	CEREBRAL CYSTS	FENESTRATION ENDOSCOPY BRAIN	2	0	13	0	NO	
1721	302665	487696	39	M	B+	9-9-2020 4:03 PM	9-11-2020 12:00 AM	10-1-2020 4:45 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	22	94	YES	
1722	303000	488440	22	M	B+	10-1-2020 3:03 PM	10-9-2020 12:00 AM	10-12-2020 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	SEPTOSTOMY ENDOSCOPIC	0	0	11	0	NO	
1723	303241	484975	23	F	AB+	10-16-2020 5:07 PM	10-19-2020 12:00 AM	10-22-2020 3:00 PM	OTHER DISORDERS OF MENINGES, NOT ELSEWHERE CLASSIFIED	SHUNT THECO PERITONEAL	0	0	6	23	NO	
1724	303250	489077	28	F	AB+	10-16-2020 5:46 PM	10-19-2020 12:00 AM	10-28-2020 3:00 PM	ATRESIA OF FORAMINA OF MAGENDIE AND LUSCHKA	SHUNT SYRINGO SUB ARACHANOID	3	2	12	47	NO	
1725	303365	476122	57	F	O+	10-22-2020 5:16 PM	10-23-2020 12:00 AM	10-27-2020 4:00 PM	NEOPLASM OF UNSP BEHAVIOR OF BONE, SOFT TISSUE, AND SKIN	SHUNT VENTRICULO PERITONEAL	1	0	5	6	NO	
1726	303823	385777	69	F	A+	11-18-2020 2:56 PM	11-20-2020 12:00 AM	11-25-2020 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	7	12	NO	
1727	303945	216183	36	F	O+	11-23-2020 5:41 PM	11-24-2020 12:00 AM	11-25-2020 5:45 PM	BENIGN INTRACRANIAL HYPERTENSION	REVISION SHUNT BRAIN	0	0	2	26	NO	
1728	304145	489934	49	F	B+	12-1-2020 4:47 PM	12-7-2020 12:00 AM	12-9-2020 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	8	4	NO	
1729	304645	485201	61	F	O+	12-21-2020 5:22 PM	12-24-2020 12:00 AM	12-28-2020 5:00 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	0	0	7	44	NO	
1730	305380	424545	35	F	A-	1-18-2021 2:25 PM	1-21-2021 12:00 AM	1-23-2021 5:00 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	2	0	5	2	NO	
1731	305410	194031	66	M	A+	1-19-2021 5:01 PM	1-27-2021 12:00 AM	2-4-2021 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	SHUNT VENTRICULO PERITONEAL	2	0	16	21	NO	
1732	305515	489077	29	F	AB+	1-22-2021 1:37 PM	1-27-2021 12:00 AM	2-1-2021 4:00 PM	MECHANICAL COMPLICATION OF VENTRICULAR INTRACRANIAL SHUNT	SHUNT VENTRICULO PERITONEAL LEFT	1	0	10	54	NO	
1733	305609	492269	46	F	A+	1-25-2021 6:47 PM	1-27-2021 12:00 AM	1-29-2021 4:00 PM	OTHER HYDROCEPHALUS	SHUNT VENTRICULO PERITONEAL RIGHT	1	0	4	63	NO	
1734	305760	491062	55	F	O+	2-1-2021 2:09 PM	2-3-2021 12:00 AM	2-5-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	1	0	4	17	NO	
1735	305929	258028	34	M	B+	2-6-2021 9:13 PM	2-16-2021 12:00 AM	2-18-2021 4:00 PM	INFECTION FOLLOWING A PROCEDURE, OTHER SURGICAL SITE, INIT	SHUNT VENTRICULO PERITONEAL	1	0	12	51	NO	
1736	306225	493501	41	F	O+	2-15-2021 5:25 PM	2-16-2021 12:00 AM	2-19-2021 4:00 PM	BENIGN NEOPLASM OF PINEAL GLAND	VENTRICULOSTOMY	0	0	4	2	NO	
1737	306681	492935	75	M	B+	3-2-2021 5:50 PM	3-4-2021 12:00 AM	3-12-2021 3:00 PM	(IDIOPATHIC) NORMAL PRESSURE HYDROCEPHALUS	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	10	36	NO	
1738	306774	493575	63	M	B+	3-5-2021 3:53 PM	3-9-2021 12:00 AM	3-15-2021 5:00 PM	(IDIOPATHIC) NORMAL PRESSURE HYDROCEPHALUS	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	10	26	NO	
1739	306970	432956	37	F	B-	3-12-2021 6:40 PM	3-17-2021 12:00 AM	3-20-2021 4:00 PM	BENIGN INTRACRANIAL HYPERTENSION	REVISION SHUNT BRAIN	1	0	8	14	NO	
1740	307101	471674	48	M	AB+	3-16-2021 6:15 PM	3-17-2021 12:00 AM	3-19-2021 5:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	0	0	3	5	NO	
1741	307518	491828	29	M	B+	3-30-2021 3:54 PM	4-8-2021 12:00 AM	4-12-2021 3:00 PM	COMPRESSION OF BRAIN	LAMINECTOMY SHUNT SYRINGO SUB ARCH	1	0	13	7	NO	
1742	308374	492698	68	M	AB+	5-9-2021 2:18 PM	5-11-2021 12:00 AM	5-15-2021 4:00 PM	(IDIOPATHIC) NORMAL PRESSURE HYDROCEPHALUS	SHUNT CYSTO PERITONEAL	0	0	6	19	NO	
1743	309269	184709	68	F	O+	6-25-2021 1:51 PM	6-28-2021 12:00 AM	6-29-2021 5:00 PM	HYDROCEPHALUS	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	4	5	NO	
1744	309587	481013	50	M	B+	7-6-2021 7:42 PM	7-7-2021 12:00 AM	7-14-2021 3:30 PM	HYDROCEPHALUS	SHUNT VENTRICULO PERITONEAL LEFT	0	0	8	15	NO	
1745	309911	499388	62	F	B+	7-19-2021 2:49 PM	7-21-2021 12:00 AM	7-26-2021 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	SHUNT VENTRICULO PERITONEAL LEFT	0	0	7	7	NO	
1746	310028	500822	35	F	B+	7-22-2021 5:25 PM	7-26-2021 12:00 AM	8-9-2021 4:30 PM	MALIGNANT NEOPLASM OF PINEAL GLAND	VENTICULOSTOMY THIRD VENTRICULAR ENDOSCOPIC	2	0	18	43	NO	
1747	310187	500833	70	M	B+	7-28-2021 5:07 PM	7-30-2021 12:00 AM	8-2-2021 3:40 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	5	1	NO	
1748	310389	484637	20	M	O+	8-5-2021 3:17 PM	8-9-2021 12:00 AM	8-12-2021 4:00 PM	CEREBROSPINAL FLUID LEAK	SHUNT THECO PERITONEAL	0	0	7	2	NO	
1749	310419	500167	33	F	A+	8-6-2021 4:19 PM	8-11-2021 12:00 AM	8-14-2021 5:00 PM	BENIGN INTRACRANIAL HYPERTENSION	SHUNT THECO PERITONEAL	0	0	8	5	NO	
1750	310418	501141	40	M	B+	8-6-2021 4:23 PM	8-10-2021 12:00 AM	8-18-2021 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	SEPTOSTOMY ENDOSCOPIC	2	0	12	48	NO	
1751	310523	501847	54	F	B+	8-10-2021 11:21 AM	8-24-2021 12:00 AM	8-31-2021 5:20 PM	ANEURYSM OF UNSPECIFIED SITE	SHUNT VENTRICULO PERITONEAL RIGHT	0	0	21	378	NO	
1752	310790	495143	47	F	O+	8-19-2021	8-20-2021	8-25-2021 6:00 PM	OTHER DISORDERS OF MENINGES, NOT ELSEWHERE CLASSIFIED	SHUNT VENTRICULO PERITONEAL LEFT	0	0	6	76	NO	
1753	310802	308655	40	F	O+	8-20-2021 4:49 PM	8-25-2021 12:00 AM	8-27-2021 4:00 PM	MECH COMPL OF VENTRICULAR INTRACRANIAL SHUNT, INIT	REVISION SHUNT BRAIN	0	0	7	11	NO	
1754	310860	194649	27	M	A+	8-24-2021 2:30 PM	8-25-2021 12:00 AM	8-27-2021 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	SHUNT VENTRICULO PERITONEAL LEFT	1	0	3	3	NO	
1755	311132	500167	33	F	A+	9-2-2021 4:49 PM	9-3-2021 12:00 AM	9-6-2021 4:04 PM	MECH COMPL OF VENTRICULAR INTRACRANIAL SHUNT, INIT	REVISION SHUNT BRAIN	0	0	4	3	NO	
1756	281192	428420	53	M	B+	8-20-2018 4:23 PM	8-21-2018 12:00 AM	9-3-2018 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	SHUNT VENTRICULO PERITONEAL RIGHT	2	0	14	4	NO	
1757	304116	490332	40	F	O+	11-30-2020 3:19 PM	12-3-2020 12:00 AM	12-15-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	VENTRICULOSTOMY	1	0	15	43	NO	
1758	273652	442636	47	F	A+	1-15-2018 5:41 PM	1-18-2018 12:00 AM	1-23-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	0	0	8	19	NO	
1759	275348	447495	50	F	B+	3-5-2018 6:12 PM	3-12-2018 12:00 AM	3-15-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	0	0	10	15	NO	
1760	275585	233313	45	M	A+	3-12-2018 6:06 PM	3-17-2018 12:00 AM	3-25-2018 3:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	RE-EXPLORATION BRAIN	4	0	13	134	NO	
1761	275709	440649	25	F	O+	3-15-2018 5:37 PM	3-22-2018 12:00 AM	3-26-2018 3:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	BIOPSY BRAIN	1	0	11	32	NO	
1762	276096	433494	50	M	B+	3-26-2018 5:01 PM	4-3-2018 12:00 AM	4-9-2018 3:00 PM	TUBERCULOUS MENINGITIS	BIOPSY MENINGES CEREBRAL	1	0	14	84	NO	
1763	276307	448662	43	M	A+	4-2-2018 4:51 PM	4-9-2018 12:00 AM	4-12-2018 2:00 PM	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF BRAIN	CRANIOTOMY	2	0	10	26	NO	
1764	277053	448719	61	M	B+	4-23-2018 5:19 PM	4-30-2018 12:00 AM	5-7-2018 2:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOTOMY	3	1	14	47	NO	
1765	278185	449471	28	F	B+	5-24-2018 6:32 PM	5-28-2018 12:00 AM	5-31-2018 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	2	0	7	23	NO	
1766	278336	451978	72	F	O+	5-29-2018 3:32 PM	6-4-2018 12:00 AM	6-11-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	1	0	13	58	NO	
1767	278799	452609	64	M	B+	6-11-2018 6:26 PM	6-13-2018 12:00 AM	6-18-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY	2	0	7	50	NO	
1768	279018	447626	48	M	O+	6-18-2018 4:27 PM	6-21-2018 12:00 AM	6-25-2018 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	1	0	7	25	NO	
1769	282165	456416	66	M	O+	9-17-2018 6:00 PM	9-19-2018 12:00 AM	9-24-2018 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY STEREOTACTIC MR	0	0	7	39	NO	
1770	282648	456379	48	M	A+	10-1-2018 4:32 PM	10-4-2018 12:00 AM	10-11-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	2	0	10	33	NO	
1771	283145	451631	38	F	O+	10-15-2018 4:04 PM	10-17-2018 12:00 AM	10-22-2018 5:35 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	0	0	7	120	NO	
1772	283139	458332	56	M	O+	10-15-2018 4:45 PM	10-22-2018 12:00 AM	10-29-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	1	0	14	17	NO	
1773	283148	457877	62	M	B+	10-15-2018 4:58 PM	10-22-2018 12:00 AM	10-29-2018 4:00 PM	MALIGNANT (PRIMARY) NEOPLASM, UNSPECIFIED	BIOPSY BRAIN	4	0	14	24	NO	
1774	283344	458829	47	M	A+	10-22-2018 4:47 PM	10-25-2018 12:00 AM	10-29-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	0	0	7	7	NO	
1775	283349	307283	42	M	B+	10-22-2018 5:04 PM	10-25-2018 12:00 AM	10-29-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	0	0	7	4	NO	
1776	283348	458920	62	F	O+	10-22-2018 6:26 PM	10-25-2018 12:00 AM	10-29-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	0	0	7	6	NO	
1777	284568	460677	42	F	B+	11-26-2018 6:43 PM	12-5-2018 12:00 AM	12-10-2018 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	2	0	14	24	NO	
1778	284682	454510	62	M	A+	11-29-2018 5:57 PM	12-5-2018 12:00 AM	12-10-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	1	0	11	32	NO	
1779	285334	461961	35	M	O+	12-17-2018 5:18 PM	12-21-2018 12:00 AM	12-28-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY	2	0	11	3	NO	
1780	285770	462131	55	M	B+	12-31-2018 6:03 PM	1-2-2019 12:00 AM	1-7-2019 6:00 PM	INTRACRANIAL ABSCESS AND GRANULOMA	BIOPSY BRAIN	2	0	7	24	NO	
1781	285895	459700	66	F	B+	1-3-2019 5:10 PM	1-8-2019 12:00 AM	1-14-2019 2:30 PM	HODGKIN LYMPHOMA, UNSPECIFIED, UNSPECIFIED SITE	BIOPSY BRAIN	3	0	11	15		

1795	292340	471352	27	F	O+	7-8-2019 5:25 PM	7-11-2019 12:00 AM	7-15-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY	1	0	7	22	NO	
1796	292365	472701	67	F	O+	7-8-2019 5:53 PM	7-11-2019 12:00 AM	7-15-2019 2:30 PM	NON-HODGKIN LYMPHOMA, UNSPECIFIED, UNSPECIFIED SITE	BIOPSY	1	0	7	131	NO	
1797	292563	462548	59	F	B+	7-15-2019 4:39 PM	7-18-2019 12:00 AM	7-25-2019 4:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	2	0	10	18	NO	
1798	293417	474061	29	M	O+	8-8-2019 3:23 PM	8-19-2019 12:00 AM	8-21-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF RESPIRATORY SYSTEM	BIOPSY BRAIN	0	0	13	19	NO	
1799	293980	474953	48	F	B+	8-26-2019 6:40 PM	8-29-2019 12:00 AM	9-2-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	STEREOTATIC BIOPSY	0	0	7	2	NO	
1800	294100	475374	76	M	O-	8-29-2019 6:17 PM	9-2-2019 12:00 AM	9-5-2019 3:00 PM	NON-HODGKIN LYMPHOMA, UNSPECIFIED, UNSPECIFIED SITE	STEREOTATIC BIOPSY	1	0	7	85	NO	
1801	295008	476612	32	M	A+	9-30-2019 5:37 PM	10-9-2019 12:00 AM	10-15-2019 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	1	0	15	68	NO	
1802	295428	476794	26	F	A+	10-14-2019 4:51 PM	10-17-2019 12:00 AM	10-21-2019 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY STEREOTACTIC MR	0	0	7	16	NO	
1803	295835	358411	62	F	B+	10-24-2019 4:18 PM	10-28-2019 12:00 AM	11-4-2019 5:00 PM	UNSP INFLAMMATORY SPONDYLOPATHY, MULTIPLE SITES IN SPINE	BIOPSY VERTEBRAL	1	0	11	1	NO	
1804	296566	479073	28	F	A+	11-14-2019 3:16 PM	11-28-2019 12:00 AM	11-28-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	STEREOTATIC BIOPSY	2	0	14	56	NO	
1805	296929	479138	30	M	B+	11-25-2019 5:17 PM	11-27-2019 12:00 AM	12-2-2019 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	0	0	7	19	NO	
1806	297783	480707	29	F	O+	12-20-2019 3:02 PM	12-24-2019 12:00 AM	1-8-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	1	0	19	21	NO	
1807	298523	475403	34	F	AB+	1-20-2020 3:04 PM	1-23-2020 12:00 AM	1-27-2020 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	0	0	7	23	NO	
1808	299147	482564	37	F	A+	1-30-2020 3:42 PM	2-4-2020 12:00 AM	2-10-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	2	0	11	7	NO	
1809	300755	483648	67	M	O+	4-16-2020 2:38 PM	4-21-2020 12:00 AM	4-30-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY	2	1	14	75	NO	
1810	300754	483647	57	F	A+	4-16-2020 3:13 PM	4-22-2020 12:00 AM	4-29-2020 4:40 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY	0	0	13	130	NO	
1811	300925	485181	44	M	O+	5-9-2020 2:34 PM	5-12-2020 12:00 AM	5-14-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	2	0	5	23	NO	
1812	301060	485019	65	F	AB+	5-18-2020 1:47 PM	5-20-2020 12:00 AM	5-28-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY BRAIN	0	0	10	4	NO	
1813	301186	485488	56	M	A+	5-26-2020 2:46 PM	5-28-2020 12:00 AM	6-2-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	2	0	7	3	NO	
1814	301347	485600	65	F	O+	6-4-2020 3:45 PM	6-5-2020 12:00 AM	6-8-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	0	0	4	30	NO	
1815	302166	486282	20	M	O+	7-29-2020 2:34 PM	8-4-2020 12:00 AM	8-21-2020 6:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	BIOPSY BRAIN	1	0	23	421	NO	
1816	303520	487375	36	F	O-	11-2-2020 5:40 PM	11-6-2020 12:00 AM	11-9-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	2	0	7	23	NO	
1817	304554	490266	45	F	A+	12-17-2020 4:54 PM	12-22-2020 12:00 AM	12-29-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY	0	0	12	24	NO	
1818	304578	491124	27	F	AB+	12-18-2020 5:49 PM	12-24-2020 12:00 AM	12-26-2020 3:00 PM	DISORDER OF BONE, UNSPECIFIED	BIOPSY VERTEBRAL	2	0	8	0	NO	
1819	304763	491914	38	F	O+	12-27-2020 2:20 PM	12-28-2020 12:00 AM	12-29-2020 5:00 PM	NON-HODGKIN LYMPHOMA, UNSPECIFIED, UNSPECIFIED SITE	BIOPSY CT GUIDED STEREOTACTIC	0	0	2	2	NO	
1820	305208	491981	46	M	B+	1-12-2021 4:01 PM	1-15-2021 12:00 AM	1-18-2021 4:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	BIOPSY BRAIN	1	0	6	18	NO	
1821	306628	493292	54	M	B+	3-1-2021 4:06 PM	3-3-2021 12:00 AM	3-9-2021 5:00 PM	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF BRAIN	CRANIOTOMY	1	0	8	65	NO	
1822	308254	497991	50	M	O+	5-1-2021 1:48 PM	5-12-2021 12:00 AM	5-15-2021 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	STEREOTATIC BIOPSY	0	0	14	5	NO	
1823	310371	501066	67	F	A+	8-4-2021 5:11 PM	8-9-2021 12:00 AM	8-11-2021 4:00 PM	NON-HODGKIN LYMPHOMA, UNSPECIFIED, UNSPECIFIED SITE	STEREOTATIC BIOPSY	1	0	7	87	NO	
1824	310831	501886	56	M	AB+	8-23-2021 3:42 PM	8-24-2021 12:00 AM	9-1-2021 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	VENTRICULOSTOMY THIRD VENTRICULAR ENDOSCOPIC	1	0	9	42	NO	
1825	311918	503010	49	M	O+	9-28-2021 4:13 PM	10-4-2021 12:00 AM	10-7-2021 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	BIOPSY	0	0	9	5	NO	
1826	275903	429620	20	M	O+	3-20-2018 4:59 PM	3-23-2018 12:00 AM	3-27-2018 3:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	2	0	7	97	NO	
1827	280164	451984	44	M	O+	7-19-2018 3:56 PM	7-24-2018 12:00 AM	7-30-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	0	0	11	22	NO	
1828	280167	454508	53	M	A+	7-19-2018 4:25 PM	7-24-2018 12:00 AM	7-30-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	2	0	11	27	NO	
1829	302640	480101	38	F	O+	9-8-2020 3:25 PM	9-29-2020 12:00 AM	10-2-2020 2:00 PM	OTHER DISORDERS OF PITUITARY GLAND	CRANIOTOMY LOBECTOMY FRONTAL	2	0	24	40	NO	
1830	306853	493776	44	F	B-	3-8-2021 4:13 PM	3-16-2021 12:00 AM	3-19-2021 2:00 PM	OTHER DISORDERS OF PITUITARY GLAND	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	0	11	19	NO	
1831	308169	496236	53	M	B+	4-26-2021 2:43 PM	4-30-2021 12:00 AM	5-3-2021 1:50 PM	OTHER DISORDERS OF PITUITARY GLAND	CRANIOTOMY	2	0	7	68	NO	
1832	280163	315425	24	F	O+	7-19-2018 4:26 PM	7-25-2018 12:00 AM	7-30-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	RE-EXPLORATION BRAIN	0	0	11	17	NO	
1833	273787	445384	23	M	A+	1-19-2018 5:56 PM	1-20-2018 12:00 AM	1-25-2018 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	6	60	NO	
1834	273888	445271	38	M	O+	1-22-2018 4:47 PM	1-29-2018 12:00 AM	2-6-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	3	1	15	41	NO	
1835	274613	446354	46	F	O+	2-12-2018 5:19 PM	2-23-2018 12:00 AM	3-5-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	21	67	NO	
1836	275332	443891	32	M	B+	3-5-2018 5:18 PM	3-6-2018 12:00 AM	3-12-2018 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	7	22	NO	
1837	275577	435323	34	F	O+	3-12-2018 5:52 PM	3-14-2018 12:00 AM	3-19-2018 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	7	24	NO	
1838	275860	437310	54	F	B+	3-19-2018 5:23 PM	3-21-2018 12:00 AM	3-27-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION ENDOSCOPIC CYST RATHKES-PITUITARY	3	3	8	67	NO	
1839	275857	447341	51	F	B+	3-19-2018 5:52 PM	3-22-2018 12:00 AM	3-28-2018 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	9	48	NO	
1840	275996	446354	46	F	O+	3-22-2018 5:51 PM	4-3-2018 12:00 AM	4-9-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	CRANIOTOMY DECOMPRESSION ADENOMA PITUITARY	3	2	18	41	NO	
1841	276312	426162	49	M	A-	4-2-2018 5:11 PM	4-6-2018 12:00 AM	4-10-2018 3:50 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	8	69	NO	
1842	276554	448962	27	M	B+	4-9-2018 3:52 PM	4-16-2018 12:00 AM	4-19-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	1	0	10	24	NO	
1843	277290	241850	68	M	A+	4-30-2018 4:12 PM	5-14-2018 12:00 AM	5-21-2018 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	0	0	21	42	NO	
1844	277310	244338	68	F	O+	4-30-2018 4:24 PM	5-9-2018 12:00 AM	5-14-2018 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	14	25	NO	
1845	278030	405151	18	F	B+	5-21-2018 5:58 PM	5-22-2018 12:00 AM	5-28-2018 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	7	18	NO	
1846	278039	449721	59	F	AB+	5-21-2018 6:04 PM	5-25-2018 12:00 AM	5-31-2018 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	0	0	10	63	NO	
1847	278311	450904	42	F	O+	5-28-2018 5:33 PM	6-4-2018 12:00 AM	6-11-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	14	25	NO	
1848	278310	450487	51	F	B+	5-28-2018 6:13 PM	6-1-2018 12:00 AM	6-11-2018 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	14	70	NO	
1849	278309	370035	32	M	B+	5-28-2018 6:31 PM	6-6-2018 12:00 AM	6-11-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	14	23	NO	
1850	278573	450987	55	M	O+	6-4-2018 5:43 PM	6-8-2018 12:00 AM	6-11-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	0	0	7	29	NO	
1851	278803	450640	45	M	B+	6-11-2018 5:36 PM	6-20-2018 12:00 AM	6-25-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	14	13	NO	
1852	278794	446940	66	F	O+	6-11-2018 6:17 PM	6-22-2018 12:00 AM	6-26-2018 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	15	72	NO	
1853	278790	451993	40	M	O+	6-11-2018 6:22 PM	6-25-2018 12:00 AM	7-2-2018 5:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	CRANIOTOMY DECOMPRESSION ADENOMA PITUITARY	2	0	21	160	YES	
1854	279262	366524	48	M	B+	6-25-2018 4:18 PM	6-27-2018 12:00 AM	7-2-2018 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	7	19	NO	
1855	279261	452883	62	M	O+	6-25-2018 5:08 PM	6-29-2018 12:00 AM	7-5-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	0	0	10	20	NO	
1856	279659	449104	57	M	O+	7-5-2018 2:12 PM	7-11-2018 12:00 AM	7-16-2018 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION TUMOUR PITUITARY	1	0	11	21	NO	
1857	280130	445965	46	M	A+	7-18-2018 4:00 PM	7-20-2018 12:00 AM	7-26-2018 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY BRAIN	1	0	8	63	NO	
1858	280165	450634	52	F	O-	7-19-2018 3:55 PM	7-23-2018 12:00 AM	7-30-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	61	NO	
1859	280339	449650	67	F	B+	7-23-2018 5:13 PM	7-27-2018 12:00 AM	8-1-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	9	66	NO	
1860	280583	453784	48	F	O+	7-30-2018 4:13 PM	8-6-2018 12:00 AM	8-9-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	10	24	NO	
1861	280597	454329	42	M	B+	7-30-2018 4:23 PM	8-3-2018 12:00 AM	8-7-2018 4:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	8	66	NO	
1862	280939	452125	54	M	A+	8-9-2018 5:09 PM	8-17-2018 12:00 AM	8-23-2018 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	0	0	14	70	NO	
1863	281500	454930	29	M	B+	8-30-2018 4:38 PM	9-7-2018 12:00 AM	9-13-2018 4:00 PM	BEN							

1877	284416	459911	35	M	A+	11-22-2018 4:07 PM	11-27-2018 12:00 AM	12-5-2018 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	13	158	NO	
1878	284966	459548	19	F	AB+	12-6-2018 6:32 PM	12-10-2018 12:00 AM	12-26-2018 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	20	176	NO	
1879	284961	317290	51	M	O+	12-6-2018 9:21 PM	12-11-2018 12:00 AM	12-17-2018 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	11	46	NO	
1880	285078	415802	52	F	A+	12-10-2018 3:54 PM	12-18-2018 12:00 AM	12-28-2018 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	5	2	18	50	NO	
1881	285181	458820	37	M	A+	12-13-2018 3:41 PM	12-21-2018 12:00 AM	12-31-2018 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	18	36	NO	
1882	285333	461827	41	M	O+	12-17-2018 4:57 PM	12-20-2018 12:00 AM	12-31-2018 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	14	16	NO	
1883	285332	460525	50	M	O+	12-17-2018 5:13 PM	12-21-2018 12:00 AM	12-28-2018 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	11	23	NO	
1884	285811	462109	59	M	O+	1-1-2019 5:22 PM	1-4-2019 12:00 AM	1-9-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	8	77	NO	
1885	286297	459701	53	F	A+	1-14-2019 5:06 PM	1-21-2019 12:00 AM	1-28-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	1	14	23	NO	
1886	286286	204841	63	F	A+	1-14-2019 5:35 PM	1-22-2019 12:00 AM	1-28-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	14	19	NO	
1887	286401	300184	64	M	O-	1-17-2019 4:17 PM	1-21-2019 12:00 AM	2-4-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	6	2	18	35	NO	
1888	286403	278278	45	M	B+	1-17-2019 5:21 PM	1-23-2019 12:00 AM	1-28-2019 4:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	1	11	17	NO	
1889	286531	461968	53	F	B+	1-21-2019 5:21 PM	1-30-2019 12:00 AM	2-4-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	14	21	NO	
1890	287041	460139	67	F	O+	2-4-2019 7:12 PM	2-12-2019 12:00 AM	2-18-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	14	22	NO	
1891	287255	464095	49	F	B+	2-11-2019 5:50 PM	2-18-2019 12:00 AM	2-25-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	14	12	NO	
1892	287363	372647	33	M	B+	2-14-2019 4:40 PM	2-22-2019 12:00 AM	2-28-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	14	76	NO	
1893	287371	290492	46	F	A+	2-14-2019 5:19 PM	2-21-2019 12:00 AM	2-25-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	0	0	11	23	NO	
1894	288183	464673	43	F	AB+	3-11-2019 4:59 PM	3-15-2019 12:00 AM	3-21-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	10	71	NO	
1895	288601	458333	30	M	A+	3-21-2019 4:45 PM	3-26-2019 12:00 AM	4-1-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	5	1	11	21	NO	
1896	288978	464175	50	F	O+	4-1-2019 4:35 PM	4-8-2019 12:00 AM	4-11-2019 3:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	10	23	NO	
1897	288780	463871	71	F	O+	4-1-2019 5:34 PM	4-5-2019 12:00 AM	4-8-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	7	24	NO	
1898	289344	465280	64	M	A+	4-11-2019 4:46 PM	4-26-2019 12:00 AM	5-2-2019 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	21	66	NO	
1899	289376	462036	55	F	O+	4-12-2019 4:59 PM	4-29-2019 12:00 AM	5-2-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	20	33	NO	
1900	289460	467907	45	F	O+	4-16-2019 3:41 PM	4-30-2019 12:00 AM	5-4-2019 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	18	46	NO	
1901	289845	465473	34	F	O+	4-29-2019 6:09 PM	5-7-2019 12:00 AM	5-10-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	40	NO	
1902	289949	467264	57	F	A+	5-2-2019 5:20 PM	5-7-2019 12:00 AM	5-10-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	8	19	NO	
1903	290238	465999	28	M	B+	5-10-2019 3:55 PM	5-15-2019 12:00 AM	5-23-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	13	25	NO	
1904	290442	349316	48	F	O+	5-16-2019 2:39 PM	5-20-2019 12:00 AM	5-27-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	11	22	NO	
1905	290582	408524	40	F	B+	5-20-2019 4:37 PM	5-22-2019 12:00 AM	5-31-2019 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	11	23	NO	
1906	290581	410476	19	F	O+	5-20-2019 4:57 PM	5-24-2019 12:00 AM	5-30-2019 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	10	68	NO	
1907	290731	467459	34	F	O-	5-23-2019 5:24 PM	5-28-2019 12:00 AM	6-3-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	11	22	NO	
1908	290877	465279	59	M	B+	5-27-2019 6:21 PM	5-29-2019 12:00 AM	6-3-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	7	19	NO	
1909	291097	439058	21	M	B+	6-3-2019 4:43 PM	6-14-2019 12:00 AM	6-19-2019 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	16	70	NO	
1910	291396	463218	36	F	O+	6-12-2019 4:31 PM	6-29-2019 12:00 AM	7-1-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	19	20	NO	
1911	291621	466916	39	M	O+	6-18-2019 2:34 PM	6-24-2019 12:00 AM	6-27-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	9	60	NO	
1912	291622	335450	38	F	O+	6-18-2019 3:01 PM	6-21-2019 12:00 AM	6-27-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	2	9	64	NO	
1913	291696	379136	59	F	A+	6-20-2019 2:56 PM	6-28-2019 12:00 AM	7-8-2019 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	18	85	NO	
1914	292060	464257	32	M	A-	7-1-2019 5:41 PM	7-10-2019 12:00 AM	7-15-2019 3:00 PM	ACROMEGALY AND PITUITARY GIGANTISM	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	0	0	14	23	NO	
1915	292111	464178	58	M	B+	7-2-2019 3:14 PM	7-5-2019 12:00 AM	7-8-2019 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	6	23	NO	
1916	292339	471609	44	M	A+	7-8-2019 5:32 PM	7-15-2019 12:00 AM	7-22-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	14	23	NO	
1917	292566	379325	40	F	B+	7-15-2019 5:24 PM	7-16-2019 12:00 AM	7-25-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	10	14	NO	
1918	292827	471903	59	M	O+	7-22-2019 4:29 PM	7-23-2019 12:00 AM	7-29-2019 4:00 PM	CEREBRAL CYSTS	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	7	23	NO	
1919	292832	391581	36	M	O+	7-22-2019 5:16 PM	7-26-2019 12:00 AM	8-1-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	10	68	NO	
1920	292957	473572	34	M	O-	7-25-2019 4:24 PM	8-5-2019 12:00 AM	8-13-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	1	19	83	NO	
1921	293075	463978	60	F	B+	7-29-2019 4:18 PM	8-6-2019 12:00 AM	8-12-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	14	24	NO	
1922	293237	351414	48	M	O+	8-3-2019 10:42 AM	8-3-2019 12:00 AM	8-8-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	5	44	NO	
1923	293305	280220	56	M	O-	8-5-2019 3:34 PM	8-9-2019 12:00 AM	8-16-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	11	31	NO	
1924	293300	468357	23	F	O+	8-5-2019 3:57 PM	8-15-2019 12:00 AM	8-20-2019 5:00 PM	CUSHING'S SYNDROME, UNSPECIFIED	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	15	38	NO	
1925	293301	473261	22	M	A+	8-5-2019 4:46 PM	8-14-2019 12:00 AM	8-22-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	17	51	NO	
1926	293751	473638	64	M	O+	8-19-2019 7:02 PM	8-21-2019 12:00 AM	8-26-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	7	21	NO	
1927	293956	473811	54	M	O-	8-26-2019 5:00 PM	8-28-2019 12:00 AM	8-31-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	0	0	5	38	NO	
1928	293955	468551	43	F	B+	8-26-2019 5:01 PM	9-2-2019 12:00 AM	9-10-2019 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	15	80	NO	
1929	294497	473988	60	M	AB+	9-16-2019 5:46 PM	9-20-2019 12:00 AM	9-23-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	7	50	NO	
1930	294482	475213	61	F	O+	9-16-2019 5:48 PM	9-17-2019 12:00 AM	9-23-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	1	7	26	NO	
1931	294637	474869	24	F	B+	9-19-2019 5:35 PM	9-23-2019 12:00 AM	9-26-2019 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	7	20	NO	
1932	295118	476421	49	F	A+	10-3-2019 3:50 PM	10-9-2019 12:00 AM	10-14-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	65	NO	
1933	295560	477217	32	M	B+	10-17-2019 5:35 PM	10-21-2019 12:00 AM	10-24-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	7	16	NO	
1934	295685	288504	55	F	O+	10-21-2019 5:26 PM	10-28-2019 12:00 AM	11-4-2019 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	14	23	NO	
1935	295682	247519	60	F	O+	10-21-2019 5:45 PM	10-23-2019 12:00 AM	11-11-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	21	48	NO	
1936	295946	241850	70	M	A+	10-28-2019 3:39 PM	10-30-2019 12:00 AM	11-7-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	10	22	NO	
1937	295953	252347	42	M	B+	10-28-2019 3:43 PM	10-30-2019 12:00 AM	11-7-2019 3:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	2	10	143	NO	
1938	296066	477190	47	M	O+	10-31-2019 3:34 PM	11-5-2019 12:00 AM	11-11-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	4	0	11	28	NO	
1939	296065	476219	35	M	B+	10-31-2019 4:08 PM	11-6-2019 12:00 AM	11-14-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	14	19	NO	
1940	296326	461915	48	F	O-	11-7-2019 5:08 PM	11-15-2019 12:00 AM	11-20-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	3	3	13	71	NO	
1941	296447	477276	61	M	B+	11-11-2019 3:41 PM	11-21-2019 12:00 AM	11-25-2019 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	14	32	NO	
1942	296561	460870	30	F	A+	11-14-2019 3:15 PM	11-19-2019 12:00 AM	11-22-2019 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	8	19	NO	
1943	296688	479106	43	M	O+	11-18-2019 4:36 PM	11-26-2019 12:00 AM	12-2-2019 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	14	18	NO	
1944	296926	475627	40	F	AB+	11-25-2019 4:29 PM	11-29-2019 12:00 AM	12-3-2019 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	8	71	NO</	

1959	298904	481999	40	F	B+	1-23-2020 3:10 PM	1-29-2020 12:00 AM	2-3-2020 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	11	22	NO	
1960	299024	480167	58	F	AB+	1-27-2020 3:11 PM	1-28-2020 12:00 AM	2-3-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA			7	17	NO	
1961	299027	480818	31	F	B+	1-27-2020 4:30 PM	2-4-2020 12:00 AM	2-10-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	14	3	NO	
1962	299499	483013	61	F	AB+	2-10-2020 2:58 PM	2-18-2020 12:00 AM	2-24-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	3	2	14	23	NO	
1963	299544	323283	24	M	A+	2-11-2020 4:25 PM	2-17-2020 12:00 AM	2-24-2020 4:00 PM	OTHER DISORDERS OF PITUITARY GLAND	RE-EXPLORATION BRAIN	3	1	13	27	NO	
1964	299738	474885	82	M	B-	2-17-2020 3:03 PM	2-27-2020 12:00 AM	3-5-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	17	19	NO	
1965	299987	353397	51	M	B+	2-24-2020 4:51 PM	3-2-2020 12:00 AM	3-12-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	17	22	NO	
1966	300080	482125	66	F	O+	2-26-2020 4:14 PM	3-3-2020 12:00 AM	3-7-2020 4:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	10	22	NO	
1967	300167	453410	47	M	AB+	2-29-2020 1:55 PM	3-3-2020 12:00 AM	3-11-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	61	NO	
1968	300232	482896	48	F	AB+	3-2-2020 2:38 PM	3-6-2020 12:00 AM	3-11-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	1	9	73	NO	
1969	300370	483314	39	F	O+	3-5-2020 3:14 PM	3-10-2020 12:00 AM	3-16-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	11	21	NO	
1970	301007	387917	50	F	O+	5-14-2020 1:10 PM	5-18-2020 12:00 AM	5-21-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	7	20	NO	
1971	301115	482839	78	M	O+	5-21-2020 12:45 PM	5-25-2020 12:00 AM	6-1-2020 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	11	23	NO	
1972	301221	484644	72	F	AB+	5-28-2020 1:59 PM	6-1-2020 12:00 AM	6-5-2020 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	8	22	NO	
1973	301483	485520	30	M	A+	6-11-2020 2:32 PM	6-17-2020 12:00 AM	6-22-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	11	21	NO	
1974	301739	483032	59	F	B+	6-25-2020 2:48 PM	6-29-2020 12:00 AM	7-2-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	7	4	NO	
1975	301808	486132	40	F	B+	6-29-2020 4:46 PM	7-2-2020 12:00 AM	7-8-2020 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	9	93	NO	
1976	301848	486234	39	F	B+	7-1-2020 4:50 PM	7-7-2020 12:00 AM	7-10-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	9	0	NO	
1977	301957	485925	38	M	O+	7-7-2020 2:22 PM	7-9-2020 12:00 AM	7-13-2020 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	6	16	NO	
1978	301988	486529	49	F	O+	7-9-2020 2:15 PM	7-10-2020 12:00 AM	7-15-2020 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	1	6	63	NO	
1979	301991	484736	47	F	A+	7-9-2020 2:17 PM	7-21-2020 12:00 AM	7-27-2020 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	18	45	NO	
1980	302004	479072	27	F	O+	7-10-2020 2:50 PM	7-16-2020 12:00 AM	7-23-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	13	141	NO	
1981	302103	486532	31	F	O+	7-22-2020 1:40 PM	8-5-2020 12:00 AM	8-10-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	19	24	NO	
1982	302128	485705	49	F	B+	7-24-2020 3:13 PM	8-3-2020 12:00 AM	8-7-2020 4:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	14	21	NO	
1983	302455	486307	25	F	B+	8-24-2020 4:46 PM	9-3-2020 12:00 AM	9-7-2020 4:00 PM	OTHER DISORDERS OF PITUITARY GLAND	EXCISION ADENOMA PITUTARY TRANS SPHENOIDAL MARUPL...OF CYST	1	0	14	18	NO	
1984	302638	463173	52	F	AB+	9-8-2020 3:48 PM	9-14-2020 12:00 AM	9-22-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	14	28	NO	
1985	303228	487856	35	M	B+	10-15-2020 3:55 PM	10-16-2020 12:00 AM	10-19-2020 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	4	0	NO	
1986	303260	486136	37	M	A-	10-17-2020 4:03 PM	10-21-2020 12:00 AM	10-24-2020 12:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	7	20	NO	
1987	303294	267833	56	M	B+	10-19-2020 4:19 PM	10-22-2020 12:00 AM	12-1-2020 8:15 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	4	3	43	333	NO	
1988	303601	487730	46	M	O+	11-5-2020 3:20 PM	11-10-2020 12:00 AM	11-16-2020 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	69	NO	
1989	303766	489437	39	F	O+	11-13-2020 2:58 PM	11-19-2020 12:00 AM	11-24-2020 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	22	NO	
1990	303842	446182	29	F	O+	11-18-2020 3:22 PM	11-20-2020 12:00 AM	11-23-2020 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	5	47	NO	
1991	303868	489416	41	F	B+	11-19-2020 2:42 PM	11-23-2020 12:00 AM	11-25-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	6	21	NO	
1992	303889	479874	24	F	O+	11-20-2020 2:44 PM	11-25-2020 12:00 AM	12-1-2020 3:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	2	11	111	NO	
1993	304009	462812	18	F	B+	11-25-2020 2:37 PM	11-30-2020 12:00 AM	12-7-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	12	21	NO	
1994	304292	491111	33	F	B+	12-7-2020 4:31 PM	12-10-2020 12:00 AM	12-14-2020 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	1	7	15	NO	
1995	304325	489123	48	F	O+	12-8-2020 3:20 PM	12-14-2020 12:00 AM	12-17-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	3	1	9	2	NO	
1996	304381	367375	48	F	B+	12-10-2020 3:48 PM	12-16-2020 12:00 AM	12-21-2020 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	CRANIOTOMY DECOMPRESSION ADENOMA PITUITARY	2	0	11	20	NO	
1997	304456	491009	55	M	B+	12-14-2020 3:01 PM	12-23-2020 12:00 AM	12-29-2020 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	15	5	NO	
1998	304461	489579	47	F	O+	12-14-2020 3:52 PM	12-22-2020 12:00 AM	12-29-2020 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	1	15	136	NO	
1999	304644	489478	46	F	O+	12-21-2020 3:41 PM	12-29-2020 12:00 AM	1-4-2021 3:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	14	23	NO	
2000	304778	488861	49	F	O+	12-28-2020 4:01 PM	1-1-2021 12:00 AM	1-4-2021 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	7	72	NO	
2001	304891	490892	48	M	B+	12-31-2020 2:21 PM	1-6-2021 12:00 AM	1-11-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	20	NO	
2002	305087	491855	19	M	B+	1-7-2021 4:37 PM	1-13-2021 12:00 AM	1-21-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	14	24	NO	
2003	305091	490005	57	M	B+	1-7-2021 6:14 PM	1-12-2021 12:00 AM	1-25-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	3	0	18	93	NO	
2004	305176	490148	44	F	A+	1-11-2021 6:24 PM	1-21-2021 12:00 AM	1-25-2021 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	14	89	NO	
2005	305589	8603041	59	M	A+	1-25-2021 4:16 PM	2-3-2021 12:00 AM	2-5-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	0	11	29	NO	
2006	305591	492868	47	M	A+	1-25-2021 4:33 PM	2-4-2021 12:00 AM	2-9-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	4	3	15	27	NO	
2007	305651	435323	37	F	O+	1-27-2021 4:04 PM	2-3-2021 12:00 AM	2-8-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	RE-EXPLORATION BRAIN	2	2	12	23	NO	
2008	305707	491370	60	F	A+	1-29-2021 3:50 PM	2-9-2021 12:00 AM	2-11-2021 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	1	13	23	NO	
2009	305880	315268	70	F	AB+	2-4-2021 3:34 PM	2-11-2021 12:00 AM	2-15-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	4	3	11	8	NO	
2010	306117	490474	49	F	B+	2-11-2021 4:10 PM	2-16-2021 12:00 AM	2-18-2021 4:50 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	7	45	NO	
2011	306133	491359	32	M	B+	2-11-2021 5:12 PM	2-17-2021 12:00 AM	2-20-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	2	9	0	NO	
2012	306226	418149	45	M	A+	2-15-2021 2:01 PM	2-19-2021 12:00 AM	2-23-2021 3:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	8	0	NO	
2013	306222	485503	57	F	O+	2-15-2021 2:35 PM	2-23-2021 12:00 AM	2-25-2021 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	1	10	0	NO	
2014	306261	436741	34	F	O+	2-16-2021 5:47 PM	2-22-2021 12:00 AM	2-25-2021 3:00 PM	CUSHING'S SYNDROME	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	1	0	9	0	NO	
2015	306747	213669	56	F	B+	3-4-2021 4:28 PM	3-15-2021 12:00 AM	3-20-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	16	91	NO	
2016	306745	494425	30	M	O+	3-4-2021 4:40 PM	3-8-2021 12:00 AM	3-12-2021 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	8	25	NO	
2017	306908	495780	36	F	B+	3-9-2021 5:34 PM	3-12-2021 12:00 AM	3-15-2021 4:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	1	6	71	NO	
2018	307034	431051	58	F	A+	3-15-2021 3:24 PM	3-23-2021 12:00 AM	3-29-2021 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	1	14	72	NO	
2019	307411	493507	33	M	A+	3-26-2021 4:48 PM	4-7-2021 12:00 AM	4-9-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	0	0	14	16	NO	
2020	308079	494269	40	F	B+	4-21-2021 3:30 PM	4-23-2021 12:00 AM	4-28-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	7	95	NO	
2021	308334	496821	20	F	O+	5-6-2021 2:57 PM	5-11-2021 12:00 AM	5-14-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	8	21	NO	
2022	308351	335797	47	M	O+	5-7-2021 2:53 PM	5-12-2021 12:00 AM	5-20-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	13	46	NO	
2023	308404	496448	62	M	O+	5-11-2021 3:04 PM	5-19-2021 12:00 AM	5-26-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	15	8	NO	
2024	308724	490839	49	M	A+	6-1-2021 3:31 PM	6-7-2021 12:00 AM	6-9-2021 6:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	2	0	8	21	NO	
2025	308833	495232	40	M	O-	6-7-2021 3:03 PM	6-10-2021 12:00 AM	6-12-2021 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	EXCISION ADENOMA PITUITARY TRANSPHENOIDAL	2	0	5	4	NO	
2026	308861	498571	30	F	O+	6-8-2021 3:49 PM	6-11-2021 12:00 AM	6-17-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	3	0	9	17	NO	
2027	308918	498301														

2041	310405	499120	54	M	O+	8-5-2021 5:21 PM	8-12-2021 12:00 AM	8-16-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	14	NO	
2042	310533	500166	61	M	B+	8-10-2021 3:18 PM	8-13-2021 12:00 AM	8-16-2021 3:30 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	6	7	NO	
2043	310674	501671	38	F	O+	8-14-2021 3:54 PM	8-25-2021 12:00 AM	9-1-2021 2:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	3	2	18	41	NO	
2044	311159	224245	60	F	AB+	9-3-2021 5:36 PM	9-8-2021 12:00 AM	9-14-2021 3:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	11	20	NO	
2045	311237	500921	61	M	O+	9-6-2021 3:53 PM	9-13-2021 12:00 AM	9-16-2021 4:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	0	0	10	18	NO	
2046	311289	400449	51	F	O+	9-7-2021 6:35 PM	9-9-2021 12:00 AM	9-17-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	2	2	10	93	NO	
2047	311373	501299	32	F	A+	9-11-2021 4:01 PM	9-15-2021 12:00 AM	9-18-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	0	0	7	6	NO	
2048	311563	500597	37	M	B+	9-18-2021 1:59 PM	9-28-2021 12:00 AM	10-1-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	13	16	NO	
2049	311628	502247	40	F	A+	9-20-2021 4:51 PM	9-28-2021 12:00 AM	9-30-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	DECOMPRESSION TRANSPHENOIDAL ADENOMA PITUITARY	1	0	10	6	NO	
2050	311633	502657	50	M	A+	9-20-2021 6:12 PM	10-4-2021 12:00 AM	10-11-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	CRANIOTOMY EXCISION TUMOUR PITUITARY	2	0	21	21	NO	
2051	311877	503851	29	M	O+	9-27-2021 5:27 PM	10-5-2021 12:00 AM	10-11-2021 5:00 PM	BENIGN NEOPLASM OF PITUITARY GLAND	ENDOSCOPY EXCISION PITUITARY ADENOMA	1	0	14	18	NO	
2052	273772	439165	53	F	AB+	1-18-2018 6:00 PM	1-19-2018 12:00 AM	1-29-2018 4:00 PM	CEREBROSPINAL FLUID LEAK	RE-EXPLORATION BRAIN	5	3	11	67	NO	
2053	274107	442345	42	F	A+	1-29-2018 5:18 PM	1-31-2018 12:00 AM	2-12-2018 4:00 PM	CEREBROSPINAL FLUID LEAK	RE-EXPLORATION BRAIN	1	0	14	34	NO	
2054	273927	440725	20	M	O+	1-23-2018 4:00 PM	1-29-2018 12:00 AM	2-7-2018 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	SEPTOSTOMY ENDOSCOPIC	1	0	15	152	NO	
2055	273980	440850	25	F	O+	1-24-2018 4:36 PM	1-31-2018 12:00 AM	2-12-2018 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	2	0	19	41	NO	
2056	273926	445073	43	F	B+	1-25-2018 3:29 PM	1-29-2018 12:00 AM	2-6-2018 7:00 AM	HYDROCEPHALUS, UNSPECIFIED	SEPTOSTOMY ENDOSCOPIC	0	0	12	165	NO	
2057	274452	190329	63	F	A+	2-7-2018 4:41 PM	2-9-2018 12:00 AM	2-14-2018 3:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	7	72	NO	
2058	274472	446353	35	F	B+	2-8-2018 5:43 PM	2-15-2018 12:00 AM	3-22-2018 6:15 AM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	VENTRICULOSTOMY THIRD VENTRICULAR ENDOSCOPIC	2	0	42	294	NO	
2059	274951	446503	23	F	B+	2-22-2018 3:27 PM	2-26-2018 12:00 AM	3-3-2018 5:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	9	24	NO	
2060	276169	444035	51	M	B+	3-28-2018 2:33 PM	4-2-2018 12:00 AM	4-5-2018 5:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR RHINORRHOEA CSF	1	0	8	27	NO	
2061	276563	448266	57	F	O+	4-9-2018 4:04 PM	4-16-2018 12:00 AM	4-23-2018 5:00 PM	CEREBROSPINAL FLUID LEAK	CRANIOTOMY REPAIR FOR CSF RHINNORHOEA	2	2	14	13	NO	
2062	277059	439069	38	M	AB+	4-23-2018 5:29 PM	4-24-2018 12:00 AM	4-30-2018 6:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR RHINORRHOEA CSF	1	0	7	18	YES	
2063	277780	446935	31	F	O+	5-14-2018 6:39 PM	5-16-2018 12:00 AM	5-21-2018 5:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	7	24	NO	
2064	278034	448266	57	F	O+	5-21-2018 4:37 PM	5-28-2018 12:00 AM	6-4-2018 3:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	14	16	NO	
2065	278412	451597	50	F	A+	5-31-2018 3:25 PM	6-5-2018 12:00 AM	6-11-2018 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	11	23	NO	
2066	278791	452544	32	F	O-	6-11-2018 5:17 PM	6-18-2018 12:00 AM	6-25-2018 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	14	23	NO	
2067	279145	451597	50	F	A+	6-21-2018 3:12 PM	6-26-2018 12:00 AM	7-2-2018 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	11	6	NO	
2068	280841	448741	22	M	O+	8-6-2018 5:23 PM	8-10-2018 12:00 AM	8-13-2018 3:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	7	27	NO	
2069	281299	454797	51	F	O+	8-21-2018 4:34 PM	8-24-2018 12:00 AM	8-29-2018 3:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR RHINORRHOEA CSF	4	2	8	16	NO	
2070	281917	399395	55	F	O+	9-10-2018 6:25 PM	9-12-2018 12:00 AM	9-15-2018 6:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR RHINORRHOEA CSF	2	0	5	21	NO	
2071	282382	456972	38	F	O+	9-24-2018 5:37 PM	9-28-2018 12:00 AM	10-8-2018 5:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	14	62	NO	
2072	283015	457874	40	F	O+	10-11-2018 5:57 PM	10-12-2018 12:00 AM	10-29-2018 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	2	0	18	18	NO	
2073	284073	459324	51	F	O+	11-12-2018 4:47 PM	11-14-2018 12:00 AM	11-23-2018 2:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	11	55	NO	
2074	284622	460777	45	F	B+	11-27-2018 4:00 PM	12-3-2018 12:00 AM	12-6-2018 2:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	9	62	NO	
2075	285857	462797	48	F	O-	1-2-2019 4:59 PM	1-4-2019 12:00 AM	1-7-2019 6:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	5	56	NO	
2076	286660	341247	53	F	A+	1-24-2019 5:17 PM	1-29-2019 12:00 AM	2-4-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	11	19	NO	
2077	286849	442608	52	F	B+	1-30-2019 12:19 PM	2-4-2019 12:00 AM	2-11-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	12	24	NO	
2078	287338	461554	23	F	O+	2-13-2019 4:55 PM	2-19-2019 12:00 AM	2-25-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	CRANIOTOMY REPAIR FOR CSF RHINNORHOEA	1	1	12	8	NO	
2079	287430	458323	66	M	O+	2-16-2019 11:08 AM	2-19-2019 12:00 AM	2-25-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	9	47	NO	
2080	287840	460599	65	M	B-	2-28-2019 4:34 PM	3-1-2019 12:00 AM	3-11-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	11	0	NO	
2081	289242	377865	37	F	A+	4-8-2019 6:00 PM	4-22-2019 12:00 AM	4-25-2019 6:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	17	41	NO	
2082	289941	462634	45	F	O+	5-2-2019 5:55 PM	5-6-2019 12:00 AM	5-14-2019 3:00 PM	CEREBROSPINAL FLUID LEAK	RE-EXPLORATION BRAIN	2	0	12	37	NO	
2083	291435	441988	46	F	O+	6-13-2019 3:48 PM	6-17-2019 12:00 AM	6-27-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	14	24	NO	
2084	292370	357797	37	M	O+	7-8-2019 9:03 PM	7-12-2019 12:00 AM	7-29-2019 5:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	21	90	NO	
2085	292831	473396	28	F	O+	7-22-2019 4:28 PM	7-24-2019 12:00 AM	7-29-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	7	21	NO	
2086	293241	473396	28	F	O+	8-3-2019 12:34 PM	8-21-2019 12:00 AM	8-26-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	CRANIOTOMY REPAIR FOR CSF RHINNORHOEA	3	0	23	20	NO	
2087	293655	474172	52	M	B+	8-16-2019 3:47 PM	8-20-2019 12:00 AM	9-2-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	4	0	17	27	NO	
2088	295263	477011	53	F	AB+	10-9-2019 3:54 PM	10-11-2019 12:00 AM	10-17-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR TRANSPHENOIDAL	1	0	8	68	NO	
2089	295425	476764	59	F	B+	10-14-2019 2:40 PM	10-16-2019 12:00 AM	10-21-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR TRANSPHENOIDAL	1	0	7	17	NO	
2090	295504	477386	35	F	B+	10-16-2019 12:17 PM	10-18-2019 12:00 AM	10-24-2019 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR TRANSPHENOIDAL	1	0	8	72	NO	
2091	295693	9506760	56	F	O+	10-21-2019 4:32 PM	10-25-2019 12:00 AM	10-31-2019 5:10 PM	CEREBROSPINAL FLUID LEAK	REPAIR TRANSPHENOIDAL	1	0	10	4	NO	
2092	295687	475106	34	F	O+	10-21-2019 4:40 PM	10-22-2019 12:00 AM	10-28-2019 3:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	7	19	NO	
2093	299500	363269	36	F	A+	2-10-2020 3:20 PM	2-14-2020 12:00 AM	2-19-2020 6:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	9	75	NO	
2094	300589	484370	53	F	A+	3-12-2020 3:22 PM	3-18-2020 12:00 AM	3-23-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	11	80	NO	
2095	300591	484586	65	F	B+	3-12-2020 4:09 PM	3-17-2020 12:00 AM	3-20-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	8	28	NO	
2096	300742	452560	48	F	B+	4-13-2020 3:48 PM	4-27-2020 12:00 AM	5-5-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	22	65	NO	
2097	301214	258028	33	M	B+	5-27-2020 4:30 PM	5-29-2020 12:00 AM	7-8-2020 6:00 PM	CEREBROSPINAL FLUID LEAK	RE-EXPLORATION BRAIN	4	3	42	411	NO	
2098	301642	477386	36	F	B+	6-20-2020 6:22 PM	6-22-2020 12:00 AM	6-29-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	9	46	NO	
2099	301736	485201	61	F	O+	6-25-2020 3:18 PM	6-26-2020 12:00 AM	7-2-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	7	28	NO	
2100	301992	486212	34	F	O+	7-9-2020 3:32 PM	7-21-2020 12:00 AM	7-23-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	14	26	NO	
2101	303602	488517	34	F	A+	11-5-2020 3:51 PM	11-9-2020 12:00 AM	11-18-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	13	48	NO	
2102	304054	343472	46	F	A+	11-27-2020 9:04 PM	12-3-2020 12:00 AM	12-7-2020 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	0	0	10	2	NO	
2103	304455	490198	65	F	A+	12-14-2020 3:49 PM	12-18-2020 12:00 AM	12-24-2020 7:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	2	0	10	4	NO	
2104	304781	491252	41	F	O+	12-28-2020 5:42 PM	12-31-2020 12:00 AM	1-6-2021 5:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	2	0	9	3	NO	
2105	305709	457656	52	F	B+	1-29-2021 4:05 PM	2-2-2021 12:00 AM	2-9-2021 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	11	141	NO	
2106	305812	384490	34	M	O+	2-2-2021 2:55 PM	2-9-2021 12:00 AM	2-12-2021 4:00 PM	CEREBROSPINAL FLUID LEAK	CRANIOTOMY REPAIR OF ANTERIOR CRANIAL FOSSA WITH GRAFT.	1	0	10	8	NO	
2107	306852	495318	34	F	B+	3-8-2021 4:36 PM	3-15-2021 12:00 AM	3-20-2021 4:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	1	0	12	40	NO	
2108	307095	9900653	57	F	B+	3-16-2021 6:24 PM	3-29-2021 12:00 AM	4-1-2021 3:00 PM	CEREBROSPINAL FLUID LEAK	REPAIR FOR CSF RHINORRHOEA - ENDOSCOPIC	4	0	16	36		

2123	276316	442832	35	F	A-	4-2-2018 5:38 PM	4-9-2018 12:00 AM	4-12-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	10	20	NO	
2124	276557	448685	45	M	B+	4-9-2018 5:05 PM	4-11-2018 12:00 AM	4-16-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	7	40	NO	
2125	276832	446291	30	M	B+	4-17-2018 3:39 PM	4-19-2018 12:00 AM	4-24-2018 4:10 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	1	7	64	NO	
2126	277051	447976	48	F	A+	4-23-2018 5:23 PM	4-25-2018 12:00 AM	4-30-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION ON ASTROCYTOMA	2	0	7	23	NO	
2127	277354	445055	45	F	A+	5-2-2018 5:18 PM	5-9-2018 12:00 AM	5-17-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	15	70	NO	
2128	277895	237814	40	F	O+	5-17-2018 5:30 PM	5-28-2018 12:00 AM	6-4-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	18	23	YES	
2129	278564	443068	39	F	A+	6-4-2018 5:01 PM	6-8-2018 12:00 AM	6-11-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	7	4	7	65	NO	
2130	278913	452711	18	M	B+	6-14-2018 5:43 PM	6-19-2018 12:00 AM	7-16-2018 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	32	196	NO	
2131	280900	290347	42	F	B+	8-8-2018 5:01 PM	8-10-2018 12:00 AM	9-3-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	0	0	26	241	NO	
2132	281657	455004	20	F	O+	9-3-2018 6:23 PM	9-6-2018 12:00 AM	9-13-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY AND DECOMPRESSION ON ASTROCYTOMA	2	0	10	116	NO	
2133	282166	451000	37	M	O+	9-17-2018 5:20 PM	9-19-2018 12:00 AM	9-24-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	0	0	7	44	NO	
2134	282177	453048	65	M	B+	9-17-2018 5:41 PM	9-18-2018 12:00 AM	9-26-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	9	176	NO	
2135	282158	450528	32	M	O+	9-17-2018 7:01 PM	9-24-2018 12:00 AM	10-4-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	17	68	NO	
2136	282765	349652	33	F	B+	10-4-2018 4:46 PM	10-8-2018 12:00 AM	10-11-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	7	16	NO	
2137	283133	449522	27	M	B+	10-15-2018 5:19 PM	10-17-2018 12:00 AM	10-27-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	RE-EXPLORATION BRAIN	2	0	12	110	NO	
2138	283356	355212	33	M	B+	10-22-2018 6:55 PM	10-23-2018 12:00 AM	11-12-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	21	191	NO	
2139	288468	375962	26	M	B+	3-18-2019 6:35 PM	3-27-2019 12:00 AM	4-1-2019 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	14	21	NO	
2140	288979	467458	45	F	A+	4-1-2019 5:39 PM	4-3-2019 12:00 AM	4-8-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	7	20	NO	
2141	290875	467145	35	F	AB+	5-27-2019 6:23 PM	6-3-2019 12:00 AM	6-20-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	4	2	24	137	NO	
2142	291432	468638	22	M	B+	6-13-2019 4:43 PM	6-17-2019 12:00 AM	6-24-2019 4:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	RE-EXPLORATION BRAIN	1	0	11	18	NO	
2143	292936	472226	27	M	O+	7-24-2019 4:36 PM	7-29-2019 12:00 AM	8-4-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	11	23	NO	
2144	294496	475488	18	M	B+	9-16-2019 5:32 PM	9-20-2019 12:00 AM	9-23-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	7	48	NO	
2145	294641	462481	36	F	B+	9-19-2019 5:43 PM	9-24-2019 12:00 AM	9-30-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	11	17	NO	
2146	295267	477017	34	F	A+	10-9-2019 4:20 PM	10-11-2019 12:00 AM	10-17-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	1	0	8	7	NO	
2147	295416	472385	40	M	B+	10-14-2019 5:29 PM	10-15-2019 12:00 AM	10-21-2019 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY LOBECTOMY TEMPORAL	2	0	7	18	NO	
2148	296450	477952	25	M	AB+	11-11-2019 3:26 PM	11-18-2019 12:00 AM	11-25-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	14	114	NO	
2149	297177	478923	38	F	O+	12-2-2019 6:22 PM	12-5-2019 12:00 AM	12-12-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY EXCISION ASTROCYTOMA	2	0	10	113	NO	
2150	299742	483452	37	M	A+	2-17-2020 2:47 PM	2-20-2020 12:00 AM	3-5-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	4	0	17	45	NO	
2151	301954	486126	20	M	A+	7-7-2020 2:41 PM	7-8-2020 12:00 AM	8-7-2020 4:00 PM	MALIGNANT NEOPLASM OF CEREBRAL VENTRICLE	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	31	139	NO	
2152	302092	486535	25	F	B+	7-21-2020 2:33 PM	8-3-2020 12:00 AM	8-17-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	27	44	NO	
2153	302149	486381	49	F	O+	7-27-2020 3:46 PM	8-5-2020 12:00 AM	8-10-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	14	20	NO	
2154	302344	486692	30	M	B+	8-17-2020 4:01 PM	8-25-2020 12:00 AM	8-28-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	11	7	NO	
2155	302419	485350	24	M	A+	8-21-2020 4:33 PM	9-3-2020 12:00 AM	9-8-2020 2:45 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	18	117	NO	
2156	302681	487724	23	M	B+	9-11-2020 3:15 PM	9-29-2020 12:00 AM	10-12-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	31	142	NO	
2157	303582	482595	49	F	B+	11-4-2020 5:40 PM	11-6-2020 12:00 AM	11-10-2020 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	RE-EXPLORATION BRAIN	2	1	6	21	NO	
2158	303732	488570	23	M	O+	11-11-2020 5:06 PM	11-19-2020 12:00 AM	11-24-2020 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY DECOMPRESSION ASTROCYTOMA VERMIAN	2	0	13	19	NO	
2159	304379	287385	58	M	B+	12-10-2020 3:59 PM	12-17-2020 12:00 AM	12-24-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIECTOMY EXCISION ASTROCYTOMA	2	1	14	18	NO	
2160	305994	494097	20	M	AB+	2-8-2021 4:52 PM	2-15-2021 12:00 AM	2-19-2021 2:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION ASTROBLASTOMA	1	0	11	28	NO	
2161	307261	349652	36	F	B+	3-22-2021 3:41 PM	3-24-2021 12:00 AM	4-11-2021 1:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	20	22	NO	
2162	308900	493734	62	M	B+	6-9-2021 5:02 PM	6-10-2021 12:00 AM	6-30-2021 6:00 AM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	3	1	21	187	NO	
2163	309248	499263	22	F	O+	6-24-2021 2:51 PM	6-25-2021 12:00 AM	7-1-2021 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF OTHER SPECIFIED SITES	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	2	0	7	64	NO	
2164	309416	499481	46	M	B+	6-30-2021 6:03 PM	7-5-2021 12:00 AM	7-8-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	3	0	8	20	NO	
2165	310985	204092	26	F	AB+	8-27-2021 6:46 PM	8-31-2021 12:00 AM	9-6-2021 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION ASTROCYTOMA	4	1	10	80	NO	
2166	274118	433753	61	F	A-	1-30-2018 3:50 PM	2-6-2018 12:00 AM	2-8-2018 4:00 PM	CLONIC HEMIFACIAL SPASM, UNSPECIFIED	CRANIOTOMY DECOMPRESSION NERVE TRIGIMINAL AND FACIAL	2	1	9	22	NO	
2167	275315	443357	68	M	O+	3-5-2018 4:27 PM	3-7-2018 12:00 AM	3-12-2018 5:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION & RELEASE OF NERVE	0	0	7	23	NO	
2168	275313	444380	62	F	AB+	3-5-2018 5:12 PM	3-12-2018 12:00 AM	3-15-2018 4:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	10	23	NO	
2169	276813	448080	32	M	AB+	4-16-2018 5:05 PM	4-23-2018 12:00 AM	4-25-2018 3:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	9	17	NO	
2170	276922	434135	60	F	O+	4-19-2018 4:13 PM	4-24-2018 12:00 AM	4-30-2018 6:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	4	0	11	20	NO	
2171	277407	444990	43	F	A+	5-3-2018 5:48 PM	5-15-2018 12:00 AM	5-21-2018 5:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	0	0	18	21	NO	
2172	277534	448949	52	M	O+	5-7-2018 5:24 PM	5-16-2018 12:00 AM	5-21-2018 5:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	14	26	NO	
2173	277530	449501	28	M	A+	5-7-2018 5:50 PM	5-16-2018 12:00 AM	5-21-2018 5:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	0	0	14	21	NO	
2174	278788	407772	72	F	O-	6-11-2018 6:03 PM	6-21-2018 12:00 AM	6-25-2018 4:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	14	23	NO	
2175	280840	448761	57	F	O+	8-6-2018 5:12 PM	8-14-2018 12:00 AM	8-20-2018 2:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	14	25	NO	
2176	281166	454052	44	F	B+	8-16-2018 5:07 PM	8-24-2018 12:00 AM	8-27-2018 2:00 PM	CLONIC HEMIFACIAL SPASM, UNSPECIFIED	DECOMPRESSION NERVE ROOT	1	0	11	22	NO	
2177	285128	458657	55	F	O+	12-11-2018 5:39 PM	12-17-2018 12:00 AM	12-21-2018 4:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	10	38	NO	
2178	286776	460530	51	F	O+	1-28-2019 4:58 PM	1-31-2019 12:00 AM	2-4-2019 2:30 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	7	28	NO	
2179	289239	447762	47	M	AB+	4-8-2019 5:34 PM	4-10-2019 12:00 AM	4-16-2019 5:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	8	23	NO	
2180	289535	467856	42	F	AB-	4-20-2019 2:23 PM	4-22-2019 12:00 AM	4-25-2019 6:00 PM	UNSPECIFIED DISORDER OF EYE AND ADNEXA	DECOMPRESSION NERVE OPTIC ENDOSCOPIC	0	0	5	52	NO	
2181	290866	463177	44	M	O+	5-27-2019 6:31 PM	5-30-2019 12:00 AM	6-3-2019 6:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	7	22	NO	
2182	291704	392705	62	F	A+	6-20-2019 5:46 PM	6-25-2019 12:00 AM	6-28-2019 4:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	8	25	NO	
2183	292595	429977	60	M	B+	7-15-2019 3:24 PM	7-18-2019 12:00 AM	7-29-2019 4:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	2	0	14	25	NO	
2184	293293	463290	58	M	A+	8-5-2019 3:44 PM	8-9-2019 12:00 AM	8-13-2019 4:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	8	69	NO	
2185	293762	471453	51	M	B+	8-19-2019 5:25 PM	8-27-2019 12:00 AM	8-31-2019 4:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	0	0	12	39	NO	
2186	293957	420715	65	F	A+	8-26-2019 2:30 PM	8-28-2019 12:00 AM	9-2-2019 4:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	0	0	7	21	NO	
2187	294108	431943	50	M	O+	8-29-2019 10:06 PM	9-2-2019 12:00 AM	9-7-2019 3:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	0	0	9	33	NO	
2188	294491	473113	57	M	O+	9-16-2019 6:32 PM	9-17-2019 12:00 AM	9-23-2019 5:50 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	7	23	NO	
2189	294640	452954	59	M	B+	9-19-2019 6:14 PM	9-25-2019 12:00 AM	9-30-2019 5:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	11	26	NO	
2190	297418	479556	19	F	B+	12-9-2019 3:05 PM	12-17-2019 12:00 AM	12-19-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY						

2205	309884	495635	59	M	A+	7-18-2021 11:33 AM	7-19-2021 12:00 AM	7-21-2021 6:00 PM	TRIGEMINAL NEURALGIA	CRANIECTOMY AND DECOMPRESSION OF TRIGEMINAL NERVE	0	0	3	20	NO	
2206	309908	499267	59	F	A+	7-19-2021 2:45 PM	7-22-2021 12:00 AM	7-29-2021 6:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY DECOMPRESSION NERVE TRIGEMINAL	1	0	10	53	YES	
2207	310289	431943	52	M	O+	8-2-2021 5:52 PM	8-5-2021 12:00 AM	8-9-2021 5:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	7	3	NO	
2208	311102	456825	26	F	A+	9-1-2021 4:58 PM	9-6-2021 12:00 AM	9-17-2021 5:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	1	0	16	5	NO	
2209	311917	496648	56	M	A+	9-28-2021 4:20 PM	10-5-2021 12:00 AM	10-7-2021 5:00 PM	TRIGEMINAL NEURALGIA	DECOMPRESSION MICROVASCULAR FOR NEURALGIA	0	0	9	23	NO	
2210	279523	453616	57	M	B+	7-2-2018 4:37 PM	7-9-2018 12:00 AM	7-12-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	0	0	10	39	NO	
2211	281669	453548	50	F	AB+	9-3-2018 5:53 PM	9-6-2018 12:00 AM	9-13-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	3	0	10	111	NO	
2212	287040	463591	72	F	AB+	2-4-2019 6:02 PM	2-13-2019 12:00 AM	2-18-2019 6:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BRAIN, INFRATENTORIAL	TRANSNASAL APPROACH,DECOMPRESSION OF TUMOUR	1	0	14	22	NO	
2213	287370	454034	24	F	A+	2-14-2019 4:20 PM	2-23-2019 12:00 AM	2-26-2019 3:00 PM	OTH CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	CRANIOTOMY EXCISION LESION BRAIN	3	2	12	62	NO	
2214	307245	479179	39	F	O+	3-22-2021 12:19 PM	3-23-2021 12:00 AM	4-25-2021 2:00 PM	TEMPORAL SCLEROSIS	LOBECTOMY TEMPORAL ANTERIOR WITH AMYGDAHIPPOCAMPECTOMY	2	1	34	498	NO	
2215	274605	432378	19	F	A+	2-12-2018 5:08 PM	2-26-2018 12:00 AM	3-5-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	LOBECTOMY TEMPORAL ANTERIOR WITH AMYGDAHIPPOCAMPECTOMY	1	0	21	23	NO	
2216	279532	432902	34	M	O+	7-2-2018 4:18 PM	7-9-2018 12:00 AM	7-12-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	AMYGDALOHIPPOCAMPECTOMY	0	0	10	17	NO	
2217	283511	449710	30	F	O+	10-26-2018 2:05 PM	10-30-2018 12:00 AM	11-5-2018 5:00 PM	GANGLIOGLIOMA	AMYGDALOHIPPOCAMPECTOMY	2	0	10	21	NO	
2218	284079	336535	20	M	O+	11-12-2018 5:17 PM	11-19-2018 12:00 AM	11-26-2018 2:00 PM	MALIGNANT NEOPLASM OF CEREBRUM, EXCEPT LOBES AND VENTRICLES	LOBECTOMY TEMPORAL ANTERIOR WITH AMYGDAHIPPOCAMPECTOMY	0	0	14	53	NO	
2219	284426	438985	20	F	B+	11-22-2018 4:50 PM	11-27-2018 12:00 AM	11-30-2018 4:00 PM	GANGLIOGLIOMA	LOBECTOMY TEMPORAL ANTERIOR WITH AMYGDAHIPPOCAMPECTOMY	1	0	8	11	NO	
2220	288836	433465	35	F	A+	3-28-2019 1:50 PM	3-29-2019 12:00 AM	4-1-2019 3:00 PM	LOCAL-REL SYMPTC EPI W CMLPX PARTIAL SEIZ, NTRCT, W STAT EPI	LOBECTOMY TEMPORAL ANTERIOR WITH AMYGDAHIPPOCAMPECTOMY	1	0	4	21	NO	
2221	300509	425270	29	F	A+	3-10-2020 2:40 PM	3-11-2020 12:00 AM	3-19-2020 4:00 PM	TEMPORAL SCLEROSIS	LOBECTOMY TEMPORAL ANTERIOR WITH AMYGDAHIPPOCAMPECTOMY	1	0	9	138	NO	
2222	304790	485230	37	M	A+	12-28-2020 6:10 PM	1-4-2021 12:00 AM	1-11-2021 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	LOBECTOMY TEMPORAL ANTERIOR WITH AMYGDAHIPPOCAMPECTOMY	2	0	14	21	NO	
2223	305175	490345	60	F	O+	1-11-2021 5:45 PM	1-18-2021 12:00 AM	1-21-2021 5:00 PM	MALIGNANT NEOPLASM OF TEMPORAL LOBE	CRANIOTOMY DECOMPRESSION MASS BRAIN	2	0	10	18	NO	
2224	275318	446310	62	M	B-	3-5-2018 4:32 PM	3-15-2018 12:00 AM	3-15-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY	2	0	10	63	NO	
2225	275852	448140	47	F	O+	3-19-2018 6:02 PM	3-23-2018 12:00 AM	3-28-2018 2:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION MASS BRAIN	2	0	9	66	NO	
2226	276561	444208	39	F	O+	4-9-2018 5:27 PM	4-12-2018 12:00 AM	4-16-2018 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	2	0	7	29	NO	
2227	276706	449101	56	M	O+	4-13-2018 4:16 PM	4-17-2018 12:00 AM	4-23-2018 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	1	0	10	24	NO	
2228	280846	340284	42	M	O+	8-6-2018 6:03 PM	8-9-2018 12:00 AM	8-13-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	1	0	7	17	NO	
2229	284330	460160	62	M	O+	11-19-2018 4:42 PM	11-23-2018 12:00 AM	11-27-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	0	8	28	NO	
2230	285768	457833	34	F	A+	12-31-2018 6:06 PM	1-4-2019 12:00 AM	1-11-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	3	1	11	68	NO	
2231	288192	455948	26	M	O+	3-11-2019 5:01 PM	3-19-2019 12:00 AM	3-25-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	1	0	14	21	NO	
2232	295001	470282	47	M	O+	9-30-2019 5:27 PM	10-11-2019 12:00 AM	10-24-2019 4:00 PM	EPIDERMAL CYST	CRANIOTOMY EXCISION LESION BRAIN	2	0	24	74	NO	
2233	296755	340565	48	F	AB+	11-20-2019 3:27 PM	11-26-2019 12:00 AM	12-2-2019 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY LOBECTOMY DECOMPRESSION TUMOUR	2	1	12	20	NO	
2234	303539	487927	72	F	AB+	11-3-2020 4:17 PM	11-6-2020 12:00 AM	11-9-2020 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION MASS BRAIN	2	0	6	15	NO	
2235	310933	348283	46	M	B+	8-25-2021 4:10 PM	9-1-2021 12:00 AM	9-4-2021 5:00 PM	EPIDERMAL CYST	LAMINOTOMY AND DECOMPRESSION OF TUMOR	2	0	10	15	NO	
2236	273370	439479	62	M	B-	1-8-2018 5:43 PM	1-19-2018 12:00 AM	1-22-2018 1:00 PM	CYST AND MUCOCELE OF NOSE AND NASAL SINUS	CRANIOTOMY	1	0	14	71	NO	
2237	276101	426532	33	F	O+	3-26-2018 6:06 PM	4-3-2018 12:00 AM	4-9-2018 3:00 PM	EPIDERMAL CYST	DECOMPRESSION CYST BRAIN	2	0	14	65	NO	
2238	277063	432919	28	F	O+	4-23-2018 5:16 PM	4-25-2018 12:00 AM	4-30-2018 6:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	4	4	7	22	NO	
2239	277541	448796	57	M	B+	5-7-2018 6:09 PM	5-18-2018 12:00 AM	6-11-2018 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	6	2	35	111	NO	
2240	277528	415103	55	F	B+	5-7-2018 6:11 PM	5-18-2018 12:00 AM	5-24-2018 4:00 PM	EPIDERMAL CYST	CRANIOTOMY EXCISION EPIDERMOID	6	4	17	65	NO	
2241	278035	404574	52	F	B+	5-21-2018 5:32 PM	5-24-2018 12:00 AM	6-7-2018 4:00 PM	TRIGEMINAL NEURALGIA	CRANIOTOMY EXCISION CYST	1	0	17	92	NO	
2242	278411	452194	22	F	A+	5-31-2018 5:22 PM	6-1-2018 12:00 AM	6-4-2018 2:00 PM	CEREBRAL CYSTS	CRANIOTOMY AND EXCISION OF CYST	2	2	4	57	NO	
2243	278800	411891	41	F	A+	6-11-2018 6:58 PM	6-22-2018 12:00 AM	10-6-2018 11:30 AM	EPIDERMAL CYST	DECOMPRESSION CYST BRAIN	3	2	117	###	YES	
2244	280828	338383	43	M	AB+	8-6-2018 5:19 PM	8-21-2018 12:00 AM	8-24-2018 4:00 PM	EPIDERMAL CYST	CRANIOTOMY EXCISION EPIDERMOID	2	2	18	54	NO	
2245	280821	333502	30	F	B+	8-6-2018 5:22 PM	8-9-2018 12:00 AM	8-13-2018 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BONE/ARTIC CARTL	EXCISION TRACT SINUS	1	0	7	6	NO	
2246	281918	449937	32	F	B+	9-10-2018 6:36 PM	9-11-2018 12:00 AM	9-17-2018 5:00 PM	EPIDERMAL CYST	CRANIOTOMY AND DECOMPRESSION OF CYST BRAIN	3	0	7	26	NO	
2247	282025	374303	47	F	O+	9-13-2018 2:47 PM	9-17-2018 12:00 AM	9-24-2018 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	1	0	11	20	NO	
2248	282155	449920	54	F	B+	9-17-2018 6:13 PM	9-18-2018 12:00 AM	9-24-2018 6:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST	3	0	7	74	NO	
2249	282365	400932	40	F	A+	9-24-2018 6:37 PM	10-1-2018 12:00 AM	10-8-2018 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	2	0	14	40	NO	
2250	283610	457426	27	M	O+	10-29-2018 4:33 PM	11-7-2018 12:00 AM	11-15-2018 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST	2	1	17	60	NO	
2251	283603	282701	39	F	B+	10-29-2018 5:07 PM	11-5-2018 12:00 AM	11-12-2018 4:00 PM	EPIDERMAL CYST	CRANIOTOMY EXCISION EPIDERMOID	1	0	14	24	NO	
2252	283691	454037	53	F	O+	10-31-2018 4:30 PM	11-2-2018 12:00 AM	11-5-2018 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	2	0	5	68	NO	
2253	286055	458671	57	F	B+	1-7-2019 6:38 PM	1-8-2019 12:00 AM	1-14-2019 2:30 PM	EPIDERMAL CYST	CRANIOTOMY EXCISION EPIDERMOID	4	1	7	19	NO	
2254	286785	464300	21	F	O+	1-28-2019 4:54 PM	1-30-2019 12:00 AM	2-4-2019 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST	1	0	7	22	NO	
2255	288191	464662	72	F	O+	3-11-2019 6:01 PM	3-14-2019 12:00 AM	3-21-2019 6:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION CYST	1	0	10	108	NO	
2256	288742	275657	46	M	AB-	3-25-2019 6:32 PM	4-2-2019 12:00 AM	4-8-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	DECOMPRESSION ENDOSCOPIC CYST RATHKES-PITUITARY	2	0	14	19	NO	
2257	289457	461424	47	M	AB+	4-16-2019 5:50 PM	4-29-2019 12:00 AM	5-2-2019 4:00 PM	OTHER DISORDERS OF PITUITARY GLAND	CRANIOTOMY EXCISION CYST	2	0	16	22	NO	
2258	289663	457524	23	M	B+	4-24-2019 5:38 PM	5-10-2019 12:00 AM	5-15-2019 4:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	3	0	21	26	NO	
2259	291568	469683	31	M	O-	6-17-2019 4:47 PM	6-20-2019 12:00 AM	6-27-2019 4:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION CYST	2	0	10	92	NO	
2260	291823	468019	52	M	A+	6-24-2019 5:49 PM	6-27-2019 12:00 AM	7-4-2019 3:30 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	2	2	10	139	NO	
2261	291859	471841	50	M	O-	6-25-2019 3:49 PM	7-2-2019 12:00 AM	7-8-2019 2:00 PM	OTHER DISORDERS OF PITUITARY GLAND	DECOMPRESSION ENDOSCOPIC CYST RATHKES-PITUITARY	1	0	13	36	NO	
2262	292328	472290	47	F	A+	7-8-2019 3:59 PM	7-16-2019 12:00 AM	7-22-2019 4:00 PM	EPIDERMAL CYST	CRANIOTOMY EXCISION EPIDERMOID	2	0	14	33	NO	
2263	292577	471445	49	M	O+	7-15-2019 4:48 PM	7-24-2019 12:00 AM	8-1-2019 6:00 PM	BENIGN NEOPLASM OF CRANIAL NERVES	CRANIOTOMY EXCISION CYST	4	0	17	19	NO	
2264	292902	451184	47	M	O-	7-23-2019 5:00 PM	7-30-2019 12:00 AM	8-5-2019 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	EXCISION SINUS SPHENOIDAL	2	0	13	52	NO	
2265	294017	349942	37	F	B+	8-27-2019 5:18 PM	9-4-2019 12:00 AM	9-10-2019 5:00 PM	CEREBRAL CYSTS	RE-EXPLORATION BRAIN	1	0	14	22	NO	
2266	294476	404404	35	F	AB+	9-16-2019 5:26 PM	9-20-2019 12:00 AM	9-30-2019 5:00 PM	CEREBRAL CYSTS	RE-EXPLORATION BRAIN AND DRAINAGE CYST BRAIN	1	0	14	70	NO	
2267	294679	451633	51	M	O+	9-20-2019 5:09 PM	9-25-2019 12:00 AM	9-30-2019 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY EXCISION EPIDERMOID	2	0	10	40	NO	
2268	295006	475969	58	F	A+	9-30-2019 4:37 PM	10-4-2019 12:00 AM	10-10-2019 3:00 PM	CEREBRAL CYSTS	CRANIOTOMY & MARSUPIALISATION OF CYST	1	0	10	114	NO	
2269	295024	473113	57	M	O+	9-30-2019 5:03 PM	10-3-2019 12:00 AM	10-14-2019 3:00 PM	CEREBRAL CYSTS	E-EXPLORATION BRAIN AND DECOMPRESSION OF CYST BRAIN	2	0	14	18	NO	
2270	295035	474750	32	M	B+	9-30-2019 6:30 PM	10-3-2019 12:00 AM	10-9-2019 4:00 PM	EPIDERMAL CYST	LAMINECTOMY EXCISION OF EPIDERMOID	1	0	9	36	NO	
2271	295976	403138	23	M	A+	10-29-2019 2:39 PM	10-30-2019 12:00 AM	11-4-2019 5:00 PM		CRANIOTOMY EXCISION CYST	1	1	6	21	NO	
2272	296210	226848	51	F	B+	11-4-2019 3:51 PM	11-5-2019 12:00 AM	11-11-2019 4:30 PM	CEREBRAL CYSTS	RE-EXPLORATION BRAIN	3	0	7	9	NO	
2273	296215	477821	29	M	O+	11-4-2019 4:08 PM	11-6-2019 12:00 AM	11-13-2019 3:30 PM	CEREBRAL CYSTS	CRANIOTOMY EX						

2287	307737	450836	47	F	B+	4-8-2021 3:17 PM	4-20-2021 12:00 AM	4-26-2021 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	DECOMPRESSION CYST BRAIN	2	1	18	20	NO	
2288	307871	492788	19	F	A+	4-13-2021 3:36 PM	4-20-2021 12:00 AM	4-26-2021 5:00 PM	EPIDERMAL CYST	LAMINECTOMY EXCISION OF CYST	0	0	13	11	NO	
2289	307869	353149	44	M	A+	4-13-2021 3:37 PM	4-21-2021 12:00 AM	5-3-2021 4:00 PM	OTHER DISORDERS OF PITUITARY GLAND	ENDOSCOPY BRAIN AND EXCISION OF CYST	1	0	20	170	NO	
2290	307957	493948	69	F	O+	4-16-2021 12:21 PM	4-26-2021 12:00 AM	4-28-2021 4:00 PM	MALIGNANT NEOPLASM OF BONES OF SKULL AND FACE	DECOMPRESSION CYST BRAIN	2	1	12	20	NO	
2291	308492	497542	35	M	O+	5-18-2021 2:47 PM	5-25-2021 12:00 AM	5-26-2021 3:30 PM	CYST OF ORBIT	CRANIOTOMY & MARSUPIALISATION OF CYST	2	0	8	22	NO	
2292	308631	498139	35	F	B+	5-26-2021 4:41 PM	5-28-2021 12:00 AM	6-1-2021 4:00 PM	EPIDERMAL CYST	CRANIOTOMY EXCISION EPIDERMOID	2	0	6	65	NO	
2293	308859	493513	32	F	B+	6-8-2021 3:45 PM	6-10-2021 12:00 AM	6-16-2021 4:00 PM	OTHER DISORDERS OF PITUITARY GLAND	MARSUPIALIZATION SINUS MUCOCELE	2	0	8	21	NO	
2294	310149	500172	52	F	A+	7-27-2021 4:20 PM	7-30-2021 12:00 AM	8-3-2021 6:30 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BRAIN, INFRATENTORIAL	CRANIECTOMY AND DECOMPRESSION OF CYST	2	0	7	27	NO	
2295	310708	498639	28	M	O+	8-16-2021 4:34 PM	8-18-2021 12:00 AM	8-23-2021 6:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	LAMINECTOMY EXCISION OF CYST	2	1	7	3	NO	
2296	310832	502099	63	F	O+	8-23-2021 4:09 PM	8-25-2021 12:00 AM	8-29-2021 5:00 PM	CEREBRAL CYSTS	CRANIOTOMY & DECOMPRESSION ARACHNOID CYST	2	0	6	26	NO	
2297	275085	434211	26	F	B+	2-26-2018 4:16 PM	3-1-2018 12:00 AM	3-7-2018 4:00 PM	ANEURYSM OF CAROTID ARTERY	CRANIOPLASTY	5	0	9	38	NO	
2298	275861	429856	18	F	B+	3-19-2018 5:39 PM	3-21-2018 12:00 AM	3-26-2018 3:00 PM	INFECTION FOLLOWING A PROCEDURE, OTHER SURGICAL SITE, INIT	CRANIOPLASTY	3	2	7	23	NO	
2299	275571	219177	46	M	O+	3-22-2018 5:16 PM	3-23-2018 12:00 AM	4-5-2018 5:00 PM	BENIGN NEOPLASM OF CEREBRAL MENINGES	CRANIOPLASTY	4	0	14	25	NO	
2300	276095	430168	53	F	O+	3-26-2018 5:01 PM	4-2-2018 12:00 AM	4-5-2018 5:00 PM	POST OPERATIVE CASE NEURO	CRANIOPLASTY	1	0	10	24	NO	
2301	276921	424576	57	M	B+	4-19-2018 5:31 PM	4-26-2018 12:00 AM	4-30-2018 6:00 PM	CONGENITAL MALFORMATION OF SKULL AND FACE BONES, UNSPECIFIED	CRANIOPLASTY	2	0	11	4	NO	
2302	277061	9902347	38	M	O+	4-23-2018 4:38 PM	4-27-2018 12:00 AM	5-3-2018 5:00 PM	CONGENITAL MALFORMATION OF SKULL AND FACE BONES, UNSPECIFIED	CRANIOPLASTY	1	0	10	66	NO	
2303	279108	451300	60	M	A+	6-20-2018 4:11 PM	6-27-2018 12:00 AM	7-2-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOPLASTY	4	0	12	29	NO	
2304	279265	272539	53	M	B+	6-25-2018 5:49 PM	7-3-2018 12:00 AM	7-9-2018 3:00 PM	CEREB INFRC DUE TO UNSP OCCLS OR STENOS OF UNSP CEREB ARTERY	CRANIOPLASTY	2	0	14	23	NO	
2305	282030	451746	68	M	B+	9-13-2018 3:29 PM	9-17-2018 12:00 AM	9-19-2018 3:00 PM	NONTRAUMATIC INTRACRANIAL HEMORRHAGE, UNSPECIFIED	CRANIOPLASTY	1	0	6	25	NO	
2306	282381	453042	38	M	B+	9-24-2018 5:38 PM	9-26-2018 12:00 AM	10-1-2018 4:00 PM	POST OPERATIVE CASE NEURO	CRANIOPLASTY	1	0	7	23	NO	
2307	287540	431107	39	F	A+	2-19-2019 3:17 PM	2-25-2019 12:00 AM	2-28-2019 3:00 PM	CEREBRAL ANEURYSM, NONRUPTURED	CRANIOPLASTY	2	0	9	19	NO	
2308	287929	355978	71	M	O+	3-2-2019 4:30 PM	3-11-2019 12:00 AM	3-14-2019 4:00 PM	NONTRAUMATIC INTRACRANIAL HEMORRHAGE, UNSPECIFIED	CRANIOPLASTY	1	0	12	25	NO	
2309	290205	437046	47	M	A+	5-9-2019 3:21 PM	5-14-2019 12:00 AM	5-17-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOPLASTY	1	0	8	26	NO	
2310	293761	454696	45	F	A+	8-19-2019 6:48 PM	8-21-2019 12:00 AM	8-26-2019 4:00 PM	POST OPERATIVE CASE NEURO	RE-EXPLORATION BRAIN	4	0	7	40	NO	
2311	300240	467145	35	F	AB+	3-2-2020 2:54 PM	3-5-2020 12:00 AM	3-11-2020 6:18 PM	OTHER POSTPROCEDURAL STATES	CRANIOPLASTY	1	0	9	26	NO	
2312	301114	479738	40	M	B+	5-21-2020 3:25 PM	5-25-2020 12:00 AM	5-29-2020 4:00 PM	CEREB INFRC DUE TO UNSP OCCLS OR STENOS OF UNSP CEREB ARTERY	CRANIOPLASTY	1	0	8	2	NO	
2313	301396	474203	25	M	O+	6-8-2020 5:01 PM	6-11-2020 12:00 AM	6-19-2020 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOPLASTY	2	0	11	3	NO	
2314	301877	484795	55	M	O+	7-2-2020 4:32 PM	7-9-2020 12:00 AM	7-23-2020 4:00 PM	ARTERIOVENOUS MALFORMATION OF CEREBRAL VESSELS	RE-EXPLORATION BRAIN	2	0	21	113	NO	
2315	280831	417017	27	F	B+	8-6-2018 5:35 PM	8-8-2018 12:00 AM	8-13-2018 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION LESION BRAIN	2	0	7	27	NO	
2316	275312	447494	6	M	B+	3-5-2018 5:16 PM	3-8-2018 12:00 AM	3-23-2018 12:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND DECOMPRESSION OF EPENDYMOMA	4	3	18	128	NO	
2317	280594	451778	26	F	AB+	7-30-2018 4:50 PM	8-6-2018 12:00 AM	8-21-2018 6:00 AM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY AND DECOMPRESSION OF EPENDYMOMA	6	6	22	351	YES	
2318	281658	452879	73	M	O+	9-3-2018 6:28 PM	9-10-2018 12:00 AM	11-8-2018 9:40 PM	MALIGNANT NEOPLASM OF CEREBRAL VENTRICLE	CRANIOTOMY AND DECOMPRESSION OF EPENDYMOMA	6	3	66	###	YES	
2319	289842	465647	59	F	O+	4-29-2019 4:49 PM	5-14-2019 12:00 AM	5-14-2019 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	LAMINECTOMY EXCISION OF EPENDYMOMA	2	1	15	38		
2320	289866	418619	41	M	A+	4-30-2019 3:16 PM	5-13-2019 12:00 AM	5-20-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	LAMINECTOMY EXCISION OF EPENDYMOMA	1	0	20	63	NO	
2321	291492	471139	54	M	O+	6-15-2019 4:15 PM	6-21-2019 12:00 AM	6-26-2019 7:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY AND DECOMPRESSION OF EPENDYMOMA	2	0	11	77	NO	
2322	291950	464137	61	F	B+	6-27-2019 5:22 PM	7-1-2019 12:00 AM	8-9-2019 3:00 PM	DISEASE OF SPINAL CORD, UNSPECIFIED	CRANIOTOMY EXCISION ARCH OF ATLAS (C1)	3	2	43	85	NO	
2323	295304	259189	21	M	A+	10-10-2019 5:24 PM	10-15-2019 12:00 AM	10-23-2019 4:00 PM	MALIGNANT NEOPLASM OF CEREBRAL VENTRICLE	CRANIECTOMY AND DECOMPRESSION OF EPENDYMOMA	5	3	13	47	NO	
2324	302253	485480	53	F	B+	8-10-2020 3:39 PM	8-20-2020 12:00 AM	8-28-2020 4:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	LAMINECTOMY EXCISION OF EPENDYMOMA	2	0	18	21	NO	
2325	303312	401941	18	M	O+	10-20-2020 3:44 PM	10-21-2020 12:00 AM	12-6-2020 7:00 AM	MALIGNANT NEOPLASM OF CEREBRAL VENTRICLE	CRANIECTOMY AND DECOMPRESSION OF EPENDYMOMA	2	0	47	628	NO	
2326	304460	490476	22	F	O+	12-14-2020 4:16 PM	12-17-2020 12:00 AM	12-19-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY AND DECOMPRESSION OF EPENDYMOMA	2	0	5	24	NO	
2327	306770	494413	65	M	B+	3-5-2021 3:03 PM	3-9-2021 12:00 AM	3-17-2021 5:00 PM	MALIGNANT NEOPLASM OF SPINAL CORD	LAMINECTOMY EXCISION OF EPENDYMOMA	2	0	12	70	NO	
2328	280449	454364	49	F	AB+	7-26-2018 4:48 PM	7-27-2018 12:00 AM	8-6-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION LESION BRAIN	0	0	11	142	NO	
2329	286300	456577	20	M	B+	1-14-2019 4:06 PM	1-22-2019 12:00 AM	1-28-2019 3:30 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY LOBECTOMY TEMPORAL	2	0	14	29	NO	
2330	275334	437046	45	M	A+	3-5-2018 5:41 PM	3-9-2018 12:00 AM	3-19-2018 6:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	14	70	NO	
2331	275382	275481	50	M	B+	3-6-2018 5:08 PM	3-16-2018 12:00 AM	3-28-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	3	0	22	180	NO	
2332	275576	447670	55	F	B+	3-12-2018 5:58 PM	3-19-2018 12:00 AM	3-26-2018 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	1	0	14	22	NO	
2333	276294	436911	28	M	B+	4-2-2018 5:43 PM	4-10-2018 12:00 AM	4-13-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	3	0	11	24	NO	
2334	277055	448199	40	M	O+	4-23-2018 4:55 PM	4-25-2018 12:00 AM	5-3-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	10	17	NO	
2335	277305	408545	37	F	AB-	4-30-2018 5:27 PM	5-8-2018 12:00 AM	5-18-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	18	108	NO	
2336	277352	393252	45	M	B+	5-2-2018 5:15 PM	5-10-2018 12:00 AM	5-28-2018 2:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	RE-EXPLORATION BRAIN	2	0	26	41	NO	
2337	278196	446769	41	M	O-	5-25-2018 4:06 PM	5-29-2018 12:00 AM	6-1-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	7	19	NO	
2338	278284	445431	36	M	B+	5-28-2018 5:24 PM	6-4-2018 12:00 AM	6-11-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	1	0	14	25	NO	
2339	282641	456778	42	M	A+	10-1-2018 4:53 PM	10-10-2018 12:00 AM	10-15-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	14	18	NO	
2340	282636	448734	49	M	B+	10-1-2018 6:43 PM	10-8-2018 12:00 AM	10-15-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	14	59	NO	
2341	282889	383892	43	M	O+	10-8-2018 4:03 PM	10-10-2018 12:00 AM	10-23-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	3	0	15	21	NO	
2342	282931	342085	41	M	O+	10-9-2018 3:38 PM	10-12-2018 12:00 AM	11-12-2018 4:00 PM	HYDROCEPHALUS, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	4	1	34	292	NO	
2343	283948	455586	51	F	A+	11-8-2018 4:27 PM	11-12-2018 12:00 AM	11-15-2018 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	7	24	NO	
2344	284684	459344	42	F	A+	11-29-2018 5:31 PM	12-3-2018 12:00 AM	12-12-2018 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	1	0	13	180	NO	
2345	285336	461970	38	M	AB+	12-17-2018 6:17 PM	12-19-2018 12:00 AM	12-28-2018 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	1	0	11	22	NO	
2346	288595	457153	32	M	B+	3-21-2019 6:31 PM	3-25-2019 12:00 AM	4-4-2019 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	4	3	14	126	NO	
2347	292381	472324	28	F	B+	7-9-2019 5:13 PM	7-23-2019 12:00 AM	7-29-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	4	0	20	26	NO	
2348	294634	464753	38	M	B+	9-19-2019 5:32 PM	9-23-2019 12:00 AM	9-30-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	11	35	NO	
2349	296213	432437	22	F	O+	11-4-2019 4:40 PM	11-6-2019 12:00 AM	12-13-2019 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	1	0	39	18	NO	
2350	296921	479314	45	F	O+	11-25-2019 4:36 PM	11-28-2019 12:00 AM	12-9-2019 5:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	14	21	NO	
2351	299984	478012	71	M	O+	2-24-2020 6:08 PM	3-2-2020 12:00 AM	3-11-2020 4:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	16	27	NO	
2352	302290	487010	47	M	B+	8-12-2020 4:17 PM	8-21-2020 12:00 AM	8-24-2020 3:30 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	12	72	NO	
2353	302719	236506	50	M	B+	9-14-2020 3:37 PM	9-30-2020 12:00 AM	10-6-2020 3:00 PM	MALIGNANT NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY DECOMPRESSION OLIGODENDROGLIOMA	2	0	22	22	NO	
2354	303941	489380	34	M	B+	11-23-2020 3:41 PM	11-30-2020 12:00 AM	12-5-202								

2369	292329	471919	37	M	O+	7-8-2019 4:19 PM	7-17-2019 12:00 AM	7-23-2019 11:45 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION CRANIOPHARYNGIOMA	2	0	15	62	YES	
2370	293073	469175	32	M	A+	7-29-2019 2:37 PM	8-13-2019 12:00 AM	8-26-2019 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	CRANIOTOMY EXCISION CRANIOPHARYNGIOMA	2	0	28	126	NO	
2371	293538	459240	65	F	O+	8-12-2019 3:42 PM	8-20-2019 12:00 AM	9-6-2019 12:10 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	CRANIOTOMY EXCISION CRANIOPHARYNGIOMA	0	0	25	210	NO	
2372	294088	469185	20	M	A+	8-29-2019 5:47 PM	9-6-2019 12:00 AM	9-23-2019 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	CRANIOTOMY EXCISION CRANIOPHARYNGIOMA	2	0	25	233	NO	
2373	302002	484381	60	F	A+	7-10-2020 3:14 PM	7-15-2020 12:00 AM	7-18-2020 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	CRANIOTOMY EXCISION CRANIOPHARYNGIOMA	2	0	8	19	NO	
2374	302193	486458	43	F	AB+	8-3-2020 3:19 PM	8-11-2020 12:00 AM	8-17-2020 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	CRANIOTOMY DECOMPRESSION CRANIOPHARYNGIOMA	2	1	14	40	NO	
2375	302237	486565	40	F	O+	8-7-2020 2:54 PM	8-19-2020 12:00 AM	8-28-2020 2:20 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	EXCISION CRANIOPHARYNGIOMA TRANSSPENOIDAL	2	0	21	212	NO	
2376	302604	485333	15	M	O+	9-7-2020 5:19 PM	9-9-2020 12:00 AM	9-21-2020 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	EXCISION CRANIOPHARYNGIOMA TRANSSPENOIDAL	2	1	14	161	NO	
2377	302682	475042	10	M	O+	9-11-2020 2:55 PM	9-30-2020 12:00 AM	10-4-2020 2:00 AM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	CRANIOTOMY EXCISION CRANIOPHARYNGIOMA	2	1	23	44	NO	
2378	306705	491475	35	M	O+	3-3-2021 4:51 PM	3-9-2021 12:00 AM	3-15-2021 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	DECOMPRESSION TRANS SPHENOIDAL CRANIOPHARYNGIOMA	2	0	12	63	NO	
2379	307255	473109	32	M	A+	3-22-2021 4:45 PM	3-24-2021 12:00 AM	3-29-2021 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	EXCISION CRANIOPHARYNGIOMA TRANSSPENOIDAL	2	0	7	17	NO	
2380	307636	494339	23	F	A+	4-5-2021 4:18 PM	4-12-2021 12:00 AM	4-15-2021 4:00 PM	OTHER DISORDERS OF PITUITARY GLAND	DECOMPRESSION TRANS SPHENOIDAL CRANIOPHARYNGIOMA	2	0	10	19	NO	
2381	309885	499266	49	M	B+	7-18-2021 1:36 PM	7-19-2021 12:00 AM	7-25-2021 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	EXCISION CRANIOPHARYNGIOMA TRANSSPENOIDAL	2	1	7	43	NO	
2382	311130	493692	52	M	A+	9-2-2021 5:24 PM	9-6-2021 12:00 AM	9-13-2021 7:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CRANIOPHARYNGEAL DUCT	EXCISION CRANIOPHARYNGIOMA TRANSSPENOIDAL	1	0	11	23	NO	
2383	288732	298363	30	M	O-	3-25-2019 7:12 PM	3-28-2019 12:00 AM	4-1-2019 3:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY DECOMPRESSION TUMOUR BRAIN	2	2	7	68	YES	
2384	276309	36216	47	M	A+	4-2-2018 4:54 PM	4-4-2018 12:00 AM	4-27-2018 3:00 PM	NONTRAUMATIC INTRACRANIAL HEMORRHAGE, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	6	1	25	399	NO	
2385	276310	228169	35	F	A+	4-2-2018 4:57 PM	4-10-2018 12:00 AM	4-16-2018 6:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	14	39	NO	
2386	277197	314923	39	F	AB+	4-26-2018 4:52 PM	5-2-2018 12:00 AM	5-7-2018 2:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	11	27	NO	
2387	278033	449369	26	F	A+	5-21-2018 4:57 PM	5-23-2018 12:00 AM	5-28-2018 2:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	7	20	NO	
2388	278186	353138	38	F	AB+	5-24-2018 6:23 PM	5-29-2018 12:00 AM	6-6-2018 5:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	13	24	NO	
2389	279115	447863	27	M	A+	6-20-2018 4:28 PM	6-26-2018 12:00 AM	7-2-2018 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	12	27	NO	
2390	281791	379205	22	M	O+	9-6-2018 6:08 PM	9-14-2018 12:00 AM	9-24-2018 6:00 PM	BENIGN NEOPLASM OF BRAIN, SUPRATENTORIAL	CRANIOTOMY EXCISION CAVERNOMA	4	0	18	62	NO	
2391	281912	440215	58	M	O+	9-10-2018 5:13 PM	9-12-2018 12:00 AM	9-17-2018 3:30 PM	HEMANGIOMA UNSPECIFIED SITE	CRANIOTOMY EXCISION CAVERNOMA	2	0	7	17	NO	
2392	282154	402251	28	M	O+	9-17-2018 5:37 PM	9-21-2018 12:00 AM	9-24-2018 5:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	7	36	NO	
2393	282380	329588	30	F	O+	9-24-2018 5:33 PM	9-27-2018 12:00 AM	10-1-2018 6:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	7	22	NO	
2394	285338	366281	21	M	A+	12-17-2018 6:20 PM	12-18-2018 12:00 AM	12-21-2018 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	4	23	NO	
2395	287044	233442	34	F	B+	2-4-2019 6:53 PM	2-7-2019 12:00 AM	2-11-2019 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	7	21	NO	
2396	287268	451342	54	F	O+	2-11-2019 4:47 PM	2-12-2019 12:00 AM	2-18-2019 6:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	7	20	NO	
2397	287978	460426	23	F	AB+	3-5-2019 4:24 PM	3-7-2019 12:00 AM	3-11-2019 3:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	6	37	NO	
2398	288024	459982	34	F	B+	3-6-2019 3:11 PM	2-18-2019 12:00 AM	3-21-2019 6:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	15	21	NO	
2399	288025	464975	28	F	B+	3-6-2019 5:17 PM	3-12-2019 12:00 AM	3-15-2019 3:30 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	9	15	NO	
2400	289342	460151	42	M	B+	4-11-2019 5:07 PM	4-22-2019 12:00 AM	4-25-2019 2:15 AM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	4	0	14	55	NO	
2401	290207	468055	23	F	O+	5-9-2019 3:56 PM	5-13-2019 12:00 AM	5-20-2019 5:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION CAVERNOMA	2	0	11	22	NO	
2402	294636	470145	63	F	A+	9-19-2019 3:40 PM	9-24-2019 12:00 AM	9-30-2019 5:00 PM	HEMANGIOMA UNSPECIFIED SITE	LAMINECTOMY EXCISION CAVERNOMA	4	0	11	22	NO	
2403	295945	476819	48	F	B+	10-28-2019 2:49 PM	10-29-2019 12:00 AM	11-7-2019 4:00 PM	BENIGN NEOPLASM OF SPINAL CORD	LAMINECTOMY EXCISION CAVERNOMA	2	0	10	46	NO	
2404	296069	469251	25	M	O+	10-31-2019 4:00 PM	11-5-2019 12:00 AM	11-7-2019 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	7	23	NO	
2405	296445	463090	45	M	O+	11-11-2019 2:59 PM	11-20-2019 12:00 AM	11-22-2019 3:00 PM	HEMANGIOMA UNSPECIFIED SITE	CRANIOTOMY EXCISION CAVERNOMA	2	0	11	27	NO	
2406	299037	469087	25	F	B+	1-27-2020 2:56 PM	1-29-2020 12:00 AM	2-3-2020 3:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	3	1	7	22	NO	
2407	300239	477440	23	M	O+	3-2-2020 3:08 PM	3-6-2020 12:00 AM	3-11-2020 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	9	50	NO	
2408	301395	485171	22	F	B+	6-8-2020 12:54 PM	6-15-2020 12:00 AM	6-29-2020 4:00 PM	HEMANGIOMA OF INTRACRANIAL STRUCTURES	CRANIOTOMY EXCISION CAVERNOMA	3	1	21	45	NO	
2409	301399	474429	46	F	B+	6-8-2020 1:11 PM	6-9-2020 12:00 AM	6-12-2020 3:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	4	23	NO	
2410	301969	481090	46	M	A+	7-8-2020 3:11 PM	7-17-2020 12:00 AM	7-21-2020 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	13	97	NO	
2411	302090	486301	24	F	O+	7-21-2020 2:59 PM	7-29-2020 12:00 AM	8-4-2020 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	14	17	NO	
2412	303538	487075	52	M	B+	11-3-2020 2:56 PM	11-5-2020 12:00 AM	11-10-2020 2:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	7	91	NO	
2413	304351	418267	46	F	AB+	12-9-2020 3:35 PM	12-21-2020 12:00 AM	12-29-2020 5:00 PM	HEMANGIOMA UNSPECIFIED SITE	CRANIOTOMY EXCISION CAVERNOMA	2	1	20	99	NO	
2414	305379	491575	28	M	O+	1-18-2021 2:46 PM	1-22-2021 12:00 AM	1-25-2021 2:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	7	67	NO	
2415	306042	473854	24	M	O+	2-9-2021 6:47 PM	2-23-2021 12:00 AM	2-26-2021 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	17	20	NO	
2416	307303	494653	19	M	B+	3-23-2021 3:34 PM	3-30-2021 12:00 AM	4-2-2021 3:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	10	19	NO	
2417	309164	498204	39	M	AB+	6-21-2021 3:20 PM	6-23-2021 12:00 AM	6-25-2021 5:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	4	6	NO	
2418	309165	496166	55	F	B-	6-21-2021 3:25 PM	6-24-2021 12:00 AM	6-28-2021 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	7	19	NO	
2419	311129	501560	30	M	A+	9-2-2021 4:17 PM	9-8-2021 12:00 AM	9-13-2021 7:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	1	0	11	20	NO	
2420	311919	503539	35	M	O+	9-28-2021 3:59 PM	10-5-2021 12:00 AM	10-8-2021 4:00 PM	NEOPLASM OF UNSPECIFIED BEHAVIOR OF BRAIN	CRANIOTOMY EXCISION CAVERNOMA	2	0	10	16	NO	
2421	311921	346277	20	M	A+	9-28-2021 4:28 PM	10-4-2021 12:00 AM	10-6-2021 4:00 PM	BENIGN NEOPLASM OF BRAIN, UNSPECIFIED	CRANIOTOMY EXCISION CAVERNOMA	2	0	8	20	NO	
2422	277067	415866	42	M	O+	4-23-2018 4:53 PM	4-30-2018 12:00 AM	5-3-2018 5:00 PM	CONGENITAL MALFORMATION OF SKULL AND FACE BONES, UNSPECIFIED	REPLACEMENT BONE-FLAP	0	0	10	8	NO	
2423	277418	439858	59	F	A+	5-4-2018 12:17 PM	5-5-2018 12:00 AM	5-14-2018 6:00 PM	INFECTION FOLLOWING A PROCEDURE, OTHER SURGICAL SITE, INIT	RE-EXPLORATION BRAIN	1	0	10	25	NO	
2424	278324	443528	35	M	A+	5-29-2018 9:30 AM	5-30-2018 12:00 AM	7-8-2018 8:45 PM	INFECTION FOLLOWING A PROCEDURE, UNSPECIFIED, INIT	RE-EXPLORATION BRAIN	5	2	40	827	YES	
2425	280820	9807162	37	M	B+	8-6-2018 5:00 PM	8-7-2018 12:00 AM	8-16-2018 5:00 PM	INFECTION FOLLOWING A PROCEDURE, OTHER SURGICAL SITE, INIT	REMOVAL BONE FLAP	0	0	10	18	NO	
2426	281167	36621	64	M	O+	8-16-2018 5:23 PM	8-20-2018 12:00 AM	8-23-2018 3:00 PM	OTHER ACUTE OSTEOMYELITIS, UNSPECIFIED SITE	REMOVAL BONE FLAP	0	0	7	16	NO	
2427	281504	443925	43	M	AB+	8-30-2018 3:16 PM	8-31-2018 12:00 AM	9-4-2018 5:00 PM	INFECTION FOLLOWING A PROCEDURE, UNSPECIFIED, INIT	REMOVAL BONE FLAP	2	0	5	0	NO	
2428	283602	440976	41	F	B+	10-29-2018 5:42 PM	10-30-2018 12:00 AM	11-5-2018 5:00 PM	DISRUPTION OF WOUND, UNSPECIFIED, INITIAL ENCOUNTER	REMOVAL BONE FLAP	1	1	7	1	NO	
2429	285219	444208	39	F	O+	12-14-2018 2:45 PM	12-15-2018 12:00 AM	12-18-2018 3:30 PM	INFECTION FOLLOWING A PROCEDURE, UNSPECIFIED, INIT	REMOVAL BONE FLAP	0	0	4	1	NO	
2430	291299	457794	54	F	AB+	6-10-2019 6:02 PM	6-13-2019 12:00 AM	6-17-2019 6:00 PM	POST OPERATIVE CASE NEURO	REPLACEMENT BONE-FLAP	1	0	7	28	NO	
2431	293304	8603648	52	M	O+	8-5-2019 5:44 PM	8-12-2019 12:00 AM	8-16-2019 4:00 PM	POST OPERATIVE CASE NEURO	RE-EXPLORATION BRAIN	1	0	11	27	NO	
2432	293750	464518	22	M	O+	8-19-2019 5:14 PM	8-21-2019 12:00 AM	8-29-2019 4:30 PM	INFECTION FOLLOWING A PROCEDURE, UNSPECIFIED, INIT	REMOVAL BONE FLAP	1	0	10	8	NO	
2433	301660	472226	28	M	O+	6-22-2020 1:47 PM	6-24-2020 12:00 AM	6-29-2020 3:00 AM	INFECTION FOLLOWING A PROCEDURE, UNSPECIFIED, INIT	REMOVAL BONE FLAP	1	0	7	22	NO	
2434	305888	490596	49	F	O+	2-4-2021 3:06 PM	2-5-2021 12:00 AM	2-8-2021 12:30 PM	OTHER SPECIFIED POSTPROCEDURAL STATES	RE-EXPLORATION BRAIN	0	0	4	66	NO	
2435	306273	340586	44	F	A+	2-16-2021 3:42 PM	2-19-2021 12:00 AM	2-25-2021 3:00 PM	NONTRAUMATIC INTRACEREBRAL HEMORRHAGE, UNSPECIFIED	REPLACEMENT BONE-FLAP	1	1	9	0	NO	
2436	306683	489518	29	F	B+	3-2-2021 6:05 PM	3-3-2021 12:00 AM	3-6-2021 4								

2451	304294	488771	26	F	O+	12-7-2020 7:22 PM	12-11-2020 12:00 AM	12-15-2020 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	LAMINECTOMY EXCISION OF HAEMANGIOMA	2	0	8	8	NO	
2452	308790	497742	43	F	B+	6-4-2021 4:01 PM	6-8-2021 12:00 AM	6-14-2021 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	OSTEOTOMY	4	2	10	20	NO	
2453	283508	458500	34	F	O+	10-26-2018 3:09 PM	11-7-2018 12:00 AM	11-19-2018 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	3	3	24	127	NO	
2454	286088	436543	25	F	O+	1-8-2019 4:19 PM	1-10-2019 12:00 AM	1-15-2019 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	2	0	7	28	NO	
2455	290329	464686	46	M	O+	5-13-2019 3:20 PM	5-16-2019 12:00 AM	5-20-2019 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	4	1	7	15	NO	
2456	293459	474064	45	M	A+	8-9-2019 2:17 PM	8-13-2019 12:00 AM	8-16-2019 4:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BRAIN, INFRATENTORIAL	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	2	0	7	23	NO	
2457	302035	471312	33	M	A+	7-13-2020 4:22 PM	7-24-2020 12:00 AM	8-30-2020 12:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	6	2	48	321	NO	
2458	302061	438012	53	F	B+	7-16-2020 1:03 PM	7-22-2020 12:00 AM	7-27-2020 6:00 PM	HEMANGIOMA OF INTRACRANIAL STRUCTURES	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	3	0	11	26	NO	
2459	302176	485228	21	F	O+	7-30-2020 4:05 PM	8-12-2020 12:00 AM	8-17-2020 5:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIECTOMY EXCISION HAEMANGIO BLASTOMA	4	2	18	24	NO	
2460	308301	205334	41	M	A+	5-4-2021 4:51 PM	5-6-2021 12:00 AM	5-12-2021 3:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	LAMINECTOMY EXCISION OF HAEMANGIOBLASTOMA	2	0	8	20	NO	
2461	308403	254651	44	F	O+	5-11-2021 3:06 PM	5-19-2021 12:00 AM	5-21-2021 6:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF BRAIN, INFRATENTORIAL	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	4	1	10	23	NO	
2462	310707	501200	35	M	O-	8-16-2021 4:55 PM	8-18-2021 12:00 AM	8-25-2021 6:00 PM	NEOPLASM OF UNCERTAIN BEHAVIOR OF CONNCTV/SOFT TISS	CRANIOTOMY AND EXCISION OF HAEMANGIOBLASTOMA	2	0	9	21	NO	



DATA OF PROSPECTIVE STUDY PERIOD															
SERIAL NO	MRD NO	HOSPITAL NO	AGE	GENDER	BLOOD GROUP	DATE OF ADMISSION	DATE OF SURGERY	DATE OF DISCHARGE	DIAGNOSIS	PROCEDURE	CROSSMATCHED UNITS	TRANSFUSED UNITS	IP DAYS	ICU HOURS	MORTALITY
1	313518	504842	50	F	A+	11-22-2021 11:30 PM	26-11-2021 00:00:00	12-3-2021 6:40 AM	RT ACF LESION ? MENINGIOMA	BIFRONTAL CRANIOTOMY AND TRANSNASAL EXCISION	3	1	10	155	NO
2	315362	507834	28	F	A+	2-1-2022 6:25 PM	03-02-2022 00:00:00	2-7-2022 5:00 PM	RIGHT PARIETAL CONVEXITY LESION ? MENINGIOMA	CRANIOTOMY AND EXCISION	2	0	6	20	NO
3	315515	507261	36	M	A+	2-8-2022 6:32 PM	10-02-2022 00:00:00	2-16-2022 5:00 PM	LEFT FRONTAL CONVEXITY LESION ?MENINGIOMA	CRANIOTOMY AND EXCISION	2	0	8	23	NO
4	313555	503786	56	F	B+	11-23-2021 4:17 PM	18-12-2021 00:00:00	12-24-2021 3:55 PM	VENTRAL CERVICO MEDULLARY MENINGIOMA	FAR LATERAL APPROACH AND EXCISION	4	4	31	692	NO
5	315708	510297	46	M	O+	2-15-2022 5:28 PM	18-02-2022 00:00:00	2-27-2022 5:00 PM	LEFT FRONTAL LESION - ?GLIOMA / CYSTIC MENINGIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	5	4	12	122	NO
6	316336	291384	70	F	B+	3-7-2022 6:27 PM	10-03-2022 00:00:00	3-15-2022 6:00 PM	LEFT FRONTAL MENINGIOMA	LEFT FRONTAL CRANIOTOMY AND EXCISION	2	0	8	84	NO
7	316732	508633	62	F	B+	3-18-2022 5:53 PM	24-03-2022 00:00:00	3-30-2022 5:00 PM	LEFT FRONTAL LESION ? MENINGIOMA	LEFT FRONTAL CRANIOTOMY AND EXCISION	3	3	12	90	NO
8	321725	516812	67	M	B+	8-19-2022 4:03 PM	25-08-2022 00:00:00	9-1-2022 4:00 PM	B/L ANTERIOR 1/3RD PARASAGGITAL MENINGIOMA (LT>RT)	LEFT FRONTAL CRANIOTOMY AND EXCISION	2	1	13	88	NO
9	319044	510877	54	F	B+	5-30-2022 4:03 PM	02-06-2022 00:00:00	6-6-2022 7:00 PM	LEFT PARIETAL CONVEXITY MENINGIOMA	LEFT FRONTO PARIETAL CRANIOTOMY AND DECOMPRESSION	3	1	7	20	NO
10	317924	502970	45	M	O+	4-26-2022 4:50 PM	28-04-2022 00:00:00	5-1-2022 4:30 PM	LEFT FRONTO PARIETAL CONVEXITY MENINGIOMA	LEFT FRONTO PARIETAL CRANIOTOMY AND EXCISION	5	3	5	19	NO
11	313800	506846	60	F	O+	12-1-2021 6:15 PM	09-12-2021 00:00:00	12-22-2021 6:00 PM	LEFT FRONTO TEMPORAL LESION - ?MENINGIOMA	LEFT FRONTO TEMPORAL CRANIOTOMY AND EXCISION	4	3	21	187	NO
12	315486	509760	58	M	B+	2-7-2022 5:15 PM	11-02-2022 00:00:00	2-15-2022 4:00 PM	LEFT FRONTO TEMPORAL CONVEXITY LESION ?MENINGIOMA	LEFT FRONTO TEMPORAL CRANIOTOMY AND EXCISION	2	0	8	75	NO
13	318464	511256	37	M	B+	5-13-2022 5:12 PM	17-05-2022 00:00:00	5-21-2022 6:30 PM	LEFT FRONTO TEMPORAL CONVEXITY MENINGIOMA	LEFT FRONTO TEMPORAL CRANIOTOMY AND EXCISION	2	0	8	96	YES
14	311919	503539	35	M	O+	9-28-2021 3:59 PM	05-10-2021 00:00:00	10-8-2021 4:00 PM	LEFT CAVERNOUS SINUS MENINGIOMA	NTOTEMPORAL CRANIOTOMY (EXTENDED MIDDLE CRANIAL FOSSA APPROACH AND	2	0	10	16	NO
15	317591	509703	47	F	O+	4-17-2022 3:30 PM	18-04-2022 00:00:00	4-21-2022 4:00 PM	LEFT MEDIAL TENTORIAL MENINGIOMA	LEFT FRONTOTEMPORAL CRANIOTOMY AND EXCISION	3	1	4	52	NO
16	316562	511422	27	F	O+	3-14-2022 4:26 PM	23-03-2022 00:00:00	3-28-2022 6:00 PM	LEFT CAVERNOUS SINUS LESION ? MENINGIOMA	FRONTOTEMPORAL CRANIOTOMY AND EXCISION (EXTENDED MIDDLE FOSSA APPRCH	2	1	14	19	NO
17	320584	517406	42	F	A+	7-13-2022 3:51 PM	19-07-2022 00:00:00	7-25-2022 5:00 PM	LEFT TEMPORAL MENINGIOMA	LEFT FRONTOTEMPORAL CRANIOTOMY AND EXCISION OF LESION	2	0	12	17	NO
18	322343	517628	38	F	AB+	9-12-2022 3:28 PM	19-09-2022 00:00:00	9-26-2022 5:00 PM	LEFT MEDIAL PETROSAL INFRATENTORIAL MENINGIOMA	NTOTEMPORAL CRANIOTOMY, EXTENDED MIDDLE CRANIAL FOSSA APPROACH AND	2	2	14	18	NO
19	314042	502673	60	F	B+	12-9-2021 4:12 PM	14-12-2021 00:00:00	12-17-2021 6:00 PM	LEFT PARIETO OCCIPITAL CONVEXITY MENINGIOMA	LEFT PARIETAL CRANIOTOMY AND EXCISION	2	0	8	16	NO
20	312677	503637	55	F	B+	10-25-2021 4:56 PM	01-11-2021 00:00:00	11-10-2021 5:00 PM	INTRAVENTRICULAR MENINGIOMA	LEFT PARIETO OCCIPITAL CRANIOTOMY AND EXCISION	2	0	16	23	NO
21	317069	512357	45	F	O+	3-29-2022 5:09 PM	04-04-2022 00:00:00	4-8-2022 5:00 PM	LEFT TENTORIAL SOL - ? MENINGIOMA	LEFT PARIETO OCCIPITAL CRANIOTOMY AND EXCISION	2	1	10	45	NO
22	321821	518976	53	M	B+	8-22-2022 5:57 PM	26-08-2022 00:00:00	9-1-2022 4:00 PM	LEFT MID 1/3RD PARASAGGITAL MENINGIOMA	LEFT PARIETO OCCIPITAL CRANIOTOMY AND EXCISION	2	0	10	65	NO
23	314742	506078	53	F	A+	1-3-2022 5:43 PM	10-01-2022 00:00:00	1-14-2022 4:30 PM	LEFT ANTERIOR AND MID 1/3RD PARASAGGITAL MENINGIOMA	LEFT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	2	0	11	8	NO
24	316605	508576	66	F	B+	3-15-2022 2:57 PM	21-03-2022 00:00:00	3-23-2022 5:00 PM	LEFT FRONTAL MENINGIOMA	LEFT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	2	0	8	22	NO
25	317291	510194	66	F	O+	4-5-2022 4:19 PM	18-04-2022 00:00:00	4-25-2022 5:00 PM	LEFT PARAFALCINE MENINGIOMA	LEFT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	3	0	20	23	NO
26	319539	515412	45	F	AB-	6-13-2022 6:03 PM	20-06-2022 00:00:00	6-24-2022 5:00 PM	LEFT ANTERIOR 1/3RD AND MIDDLE 1/3RD FALCINE MENINGIOMA	LEFT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	2	1	11	21	NO
27	314946	368911	46	F	O+	1-10-2022 4:27 PM	11-01-2022 00:00:00	1-18-2022 4:00 PM	RECURRENT LEFT PETROCLIVAL MENINGIOMA	LEFT PETROMASTOID CRANIOTOMY AND DECOMPRESSION WITH LEFT TARSORRAPHY	4	3	8	51	NO
28	322341	322638	57	F	B+	9-12-2022 4:43 PM	19-09-2022 00:00:00	9-22-2022 5:00 PM	NT TUBERCULUM SELLA MENINGIOMA + RT PARASAGGITAL MENINGIOMA	PTERIONAL CRANIOTOMY AND DECOMPRESSION OF TUBERCULUM SELLA MENINGIOMA	2	0	10	18	NO
29	313260	504825	48	M	B+	11-15-2021 11:31 AM	17-11-2021 00:00:00	11-22-2021 5:00 PM	LEFT BASIFRONTAL MENINGIOMA	LEFT PTERIONAL CRANIOTOMY AND EXCISION	2	0	7	18	NO
30	316693	429903	31	M	A+	3-17-2022 5:06 PM	24-03-2022 00:00:00	3-31-2022 5:00 PM	RECURRENT LEFT SIDED MULTIPLE SUPRATENTORIAL MENINGIOMA	LEFT PTERIONAL CRANIOTOMY AND EXCISION	2	1	14	126	NO
31	317084	510363	57	M	AB+	3-29-2022 5:35 PM	07-04-2022 00:00:00	4-11-2022 3:00 PM	LEFT BASIFRONTAL MENINGIOMA	LEFT PTERIONAL CRANIOTOMY AND EXCISION	2	2	13	18	NO
32	318833	514507	47	F	A+	5-24-2022 6:35 PM	24-06-2022 00:00:00	7-6-2022 8:00 PM	RECURRENT LEFT SPHENOID WING ATYPICAL MENINGIOMA	LEFT PTERIONAL CRANIOTOMY AND EXCISION	2	2	43	405	NO
33	322396	518143	65	F	A+	9-13-2022 5:46 PM	22-09-2022 00:00:00	9-30-2022 4:00 PM	LEFT CLINOIDAL MENINGIOMA	LEFT PTERIONAL CRANIOTOMY AND EXCISION	2	2	17	92	NO
34	319076	501470	48	F	O+	5-31-2022 4:48 PM	08-06-2022 00:00:00	6-13-2022 4:00 PM	LEFT PARACAVERNOUS LESION ? MENINGIOMA	PTERIONAL CRANIOTOMY AND PRETEMPORAL PARACAVERNOUS APPROACH AND EX	2	1	13	21	NO
35	315893	508853	45	F	A+	2-21-2022 6:50 PM	25-02-2022 00:00:00	3-2-2022 5:00 PM	LEFT CP ANGLE LESION ? MENINGIOMA	LEFT RSSO CRANIOTOMY AND EXCISION	4	0	9	68	NO
36	315952	509652	39	M	B+	2-22-2022 5:35 PM	02-03-2022 00:00:00	3-5-2022 3:00 PM	LEFT CP ANGLE LESION ?MENINGIOMA	LEFT RSSO CRANIOTOMY AND EXCISION	3	0	11	20	NO
37	317879	510346	38	F	A+	4-25-2022 4:25 PM	29-04-2022 00:00:00	5-4-2022 4:00 PM	LEFT CP ANGLE LESION ? MENINGIOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	0	9	66	NO
38	321182	513830	69	F	A+	8-1-2022 6:59 PM	08-08-2022 00:00:00	8-19-2022 6:00 PM	LEFT CP ANGLE MENINGIOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	1	18	42	NO
39	321414	515975	48	F	B+	8-8-2022 4:44 PM	17-08-2022 00:00:00	8-22-2022 5:00 PM	LEFT POSTERIOR PETROUS MENINGIOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	0	14	38	NO
40	317880	510196	43	F	AB-	4-25-2022 5:02 PM	29-04-2022 00:00:00	5-9-2022 4:00 PM	RIGHT TENTORIAL MENINGIOMA	MLSO CRANIOTOMY AND EXCISION (SUPRASellar APPROACH)	2	1	14	142	NO
41	322429	519665	65	F	B+	9-14-2022 5:38 PM	22-09-2022 00:00:00	9-30-2022 4:00 PM	FALCOTENTORIAL MENINGIOMA	OCCIPITAL CRANIOTOMY AND DECOMPRESSION	5	4	16	90	NO
42	312455	503635	48	F	O+	10-18-2021 6:12 PM	01-11-2021 00:00:00	11-6-2021 6:30 PM	PLANUM SPHENOIDALE MENINGIOMA	PTERIONAL CRANIOTOMY AND EXCISION	5	4	19	20	NO
43	316209	507086	61	F	O+	3-3-2022 4:25 PM	09-03-2022 00:00:00	3-14-2022 5:00 PM	PLANUM SPHENOIDAL MENINGIOMA	PTERIONAL CRANIOTOMY AND EXCISION	2	2	11	18	NO
44	320564	513351	45	F	A+	7-12-2022 4:28 PM	21-07-2022 00:00:00	7-25-2022 5:00 PM	RECURRENT LEFT PARIETAL MENINGIOMA	REEXPLORATION AND DECOMPRESSION	4	2	13	22	NO
45	319046	451995	38	F	A+	5-30-2022 5:32 PM	10-06-2022 00:00:00	6-14-2022 4:00 PM	RIGHT OPTIC NERVE SHEATH MENINGIOMA	REEXPLORATION AND EXCISION	4	1	15	139	NO
46	314578	404151	59	M	O	12-28-2021 4:18 PM	03-01-2022 00:00:00	1-10-2022 6:00 PM	RECURRENT RIGHT FRONTO PARIETAL MENINGIOMA	REEXPLORATION AND EXCISION OF TUMOUR	3	0	13	42	NO
47	320587	517567	28	M	A+	7-13-2022 3:51 PM	21-07-2022 00:00:00	8-5-2022 5:00 PM	RECURRENT RIGHT MIDDLE 1/3RD FLAX MENINGIOMA	REEXPLORATION AND EXCISION OF TUMOUR	2	1	23	89	NO
48	312241	337795	51	F	A+	10-11-2021 5:38 PM	13-10-2021 00:00:00	10-22-2021 4:00 PM	RECURRENT LEFT SPHENOID WING MENINGIOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	5	2	11	70	NO
49	316164	370435	47	F	B+	3-2-2022 5:38 PM	08-03-2022 00:00:00	3-15-2022 5:30 PM	RECURRENT OLFATORY GROOVE MENINGIOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	4	2	13	40	NO
50	319622	513022	40	M	O+	6-15-2022 6:33 PM	23-06-2022 00:00:00	6-27-2022 4:00 PM	LEFT RECURRENT SPHENOPETROCLIVAL MENINGIOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	2	0	12	19	NO
51	312144	503021	34	M	O-	10-5-2021 4:10 PM	08-10-2021 00:00:00	10-13-2021 4:00 PM	RECURRENT ANTERIOR PARASAGGITAL MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	2	0	8	63	NO
52	315360	342334	51	M	O+	2-1-2022 7:00 PM	07-02-2022 00:00:00	2-14-2022 6:30 PM	RECURRENT LEFT MEDIAL SPHENOID WING MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	3	0	13	66	NO
53	316008	507393	29	M	B+	2-24-2022 4:03 PM	02-03-2022 00:00:00	3-7-2022 5:00 PM	BIFRONTAL CONVEXITY MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	3	2	11	46	NO
54	317385	494546	52	F	O+	4-7-2022 5:51 PM	12-04-2022 00:00:00	4-17-2022 4:00 PM	RECURRENT LEFT TEMPORAL CONVEXITY MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	3	0	10	20	NO
55	317737	505570	26	F	B+	4-25-2022 3:39 PM	05-05-2022 00:00:00	5-12-2022 4:00 PM	LEFT RECURRENT INTRAORBITAL MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	2	2	17	144	NO

56	319683	391506	54	M	A+	6-17-2022 6:17 PM	21-06-2022 00:00:00	6-23-2022 5:00 PM	RECURRENT RT SPHENOID WING MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	2	1	6	61	NO
57	321199	349092	39	F	AB+	8-1-2022 4:25 PM	05-08-2022 00:00:00	9-4-2022 3:00 PM	RECURRENT MID 1/3RD B?L PARASAGGITAL MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	2	1	34	207	NO
58	322256	353943	41	F	O+	9-9-2022 4:11 PM	14-09-2022 00:00:00	9-19-2022 5:00 PM	RECURRENT LEFT SPHENOID WING MENINGIOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	2	1	10	24	NO
59	318410	337726	50	F	A+	5-11-2022 4:03 PM	18-05-2022 00:00:00	5-25-2022 5:00 PM	RECURRENT OLFACTORY GROOVE MENINGIOMA	RE-EXPLORATORY CRANIOTOMY AND EXCISION	2	0	14	46	NO
60	313948	379867	61	M	NEC	12-6-2021 6:07 PM	08-12-2021 00:00:00	1-1-2022 6:00 PM	CURRENT RESIDUAL LEFT PETROCLIVAL TENTORIAL MENINGIOMA	REEXPLORATORY CRANIOTOMY AND SUBTEMPORAL APPROACH AND EXCISION	3	1	26	280	NO
61	312772	259929	62	F	O+	10-28-2021 4:46 PM	03-11-2021 00:00:00	11-11-2021 8:00 PM	RECURRENT LEFT FRONTAL MENINGIOMA	REEXPLORATORY LEFT FRONTAL CRANIOTOMY AND EXCISION	3	0	14	48	NO
62	318876	434622	63	M	O+	5-25-2022 4:08 PM	31-05-2022 00:00:00	6-6-2022 7:00 PM	RECURRENT LEFT FRONTAL INTRAOSSEOUS MENINGIOMA	REEXPLORATORY LEFT FRONTAL CRANIOTOMY AND EXCISION	2	0	12	21	NO
63	316816	506535	59	F	O+	3-21-2022 5:50 PM	24-03-2022 00:00:00	3-30-2022 5:00 PM	RIGHT ANTERIOR 1/3RD PARAFALCINE MENINGIOMA	RIGHT FRONTAL CRANIOTOMY AND EXCISION	2	1	9	94	NO
64	318462	512734	37	F	B+	5-13-2022 3:39 PM	17-05-2022 00:00:00	5-19-2022 5:00 PM	RIGHT FRONTAL CONVEXITY MENINGIOMA	RIGHT FRONTAL CRANIOTOMY AND EXCISION	2	0	6	18	NO
65	318594	512345	62	M	O+	5-17-2022 8:06 PM	25-05-2022 00:00:00	5-30-2022 5:00 PM	RIGHT FRONTAL CONVEXITY MENINGIOMA	RIGHT FRONTAL CRANIOTOMY AND EXCISION	2	1	13	24	NO
66	313980	503059	47	F	NEC	12-7-2021 4:33 PM	13-12-2021 00:00:00	12-20-2021 4:00 PM	RIGHT LATERAL SPHENOID WING MENINGIOMA	RIGHT FRONTO TEMPORAL CRANIOTOMY AND EXCISION	2	1	13	22	NO
67	317831	451578	69	M	O+	4-23-2022 3:29 PM	26-04-2022 00:00:00	4-29-2022 4:00 PM	RIGHT FRONTO TEMPORAL CONVEXITY MENINGIOMA	RIGHT FRONTO TEMPORAL CRANIOTOMY AND EXCISION	2	1	6	24	NO
68	316333	510065	62	F	A+	3-7-2022 6:28 PM	10-03-2022 00:00:00	3-18-2022 5:00 PM	RIGHT MID PARASAGGITAL MENINGIOMA	RIGHT FRONTOPIRIETAL CRANIOTOMY AND EXCISION	2	1	11	33	NO
69	317481	510231	46	F	O+	4-11-2022 5:55 PM	20-04-2022 00:00:00	4-25-2022 4:00 PM	RIGHT PARIETAL CONVEXITY MENINGIOMA	RIGHT FRONTOPIRIETAL CRANIOTOMY AND EXCISION	4	1	14	42	NO
70	317650	504875	64	F	B+	4-18-2022 6:19 PM	25-04-2022 00:00:00	5-2-2022 5:00 PM	RIGHT FRONTAL PARASAGGITAL MENINGIOMA	RIGHT FRONTOPIRIETAL PARASAGGITAL CRANIOTOMY AND EXCISION	2	2	14	60	NO
71	319858	516308	56	M	A+	6-22-2022 5:33 PM	24-06-2022 00:00:00	6-29-2022 5:00 PM	RIGHT SPHENOID WING MENINGIOMA	RIGHT FRONTOTEMPORAL CRANIOTOMY AND DECOMPRESSION	2	0	7	69	NO
72	319924	244826	53	F	B+	6-24-2022 3:08 PM	30-06-2022 00:00:00	7-4-2022 4:00 PM	RECURRENT LEFT ANTERIOR CLINOIDAL MENINGIOMA	RIGHT FRONTOTEMPORAL CRANIOTOMY AND EXCISION	2	1	10	21	NO
73	320934	516827	68	F	O-	7-23-2022 6:00 PM	27-07-2022 00:00:00	8-5-2022 5:00 PM	RIGHT FRONTOTEMPORAL CONVEXITY MENINGIOMA	RIGHT FRONTOTEMPORAL CRANIOTOMY AND EXCISION	2	2	13	139	NO
74	319544	512681	70	M	O+	6-13-2022 6:16 PM	16-06-2022 00:00:00	6-20-2022 6:00 PM	RIGHT FALCOTENTORIAL MENINGIOMA	RIGHT OCCIPITOPARIETAL CRANIOTOMY AND EXCISION	2	1	7	21	NO
75	320334	517565	52	M	O+	7-5-2022 6:12 PM	11-07-2022 00:00:00	7-21-2022 6:00 PM	RIGHT PARASAGGITAL MENINGIOMA	RIGHT PARASAGGITAL CRANIOTOMY AND EXCISION	3	0	16	88	NO
76	318819	515063	57	F	O+	5-23-2022 6:44 PM	30-05-2022 00:00:00	6-2-2022 5:00 PM	RIGHT MIDDLE 1/3RD PARASAGGITAL MENINGIOMA	RIGHT PARIETAL CRANIOTOMY AND EXCISION	2	2	10	23	NO
77	315659	509757	68	M	B+	2-14-2022 4:39 PM	16-02-2022 00:00:00	2-21-2022 6:00 PM	RIGHT POSTERIOR MID 1/3RD PARASAGGITAL LESION ? MENINGIOMA	RIGHT PARIETO - OCCIPITAL CRANIOTOMY AND EXCISION	3	2	7	78	NO
78	313970	487857	53	M	B+	12-7-2021 4:05 PM	13-12-2021 00:00:00	12-16-2021 4:00 PM	RIGHT PARIETAL CONVEXITY LESION - ? MENINGIOMA	RIGHT PARIETO OCCIPITAL CRANIOTOMY AND EXCISION	2	0	9	5	NO
79	319558	500548	36	M	O+	6-14-2022 5:46 PM	21-06-2022 00:00:00	6-24-2022 5:00 PM	B/L VS AND ANT AND MID 1/3RD PARASAGGITAL MENINGIOMA I	RIGHT PERIOTORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	2	1	10	19	NO
80	321819	518861	38	M	O+	8-22-2022 5:57 PM	29-08-2022 00:00:00	9-1-2022 5:00 PM	RIGHT MID 1/3RD PARASAGGITAL MENINGIOMA	RIGHT POST CORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	2	0	10	17	NO
81	314753	461108	68	F	O+	1-3-2022 6:19 PM	07-01-2022 00:00:00	1-11-2022 6:00 PM	RECURRENT RIGHT SPHENOID WING MENINGIOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION	2	2	8	66	NO
82	315340	509844	37	F	B+	1-31-2022 4:34 PM	02-02-2022 00:00:00	2-4-2022 4:00 PM	RIGHT CLINOIDAL LESION ?MENINGIOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION	2	0	4	17	NO
83	318353	513005	55	F	B+	5-10-2022 4:36 PM	17-05-2022 00:00:00	5-20-2022 5:30 PM	OLFACTORY GROOVE MENINGIOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION	2	1	10	20	NO
84	318818	514667	74	M	AB+	5-23-2022 5:15 PM	30-05-2022 00:00:00	6-3-2022 4:00 PM	OLFACTORY GROOVE MENINGIOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION	3	3	11	45	NO
85	319052	512924	61	F	O+	5-30-2022 6:55 PM	02-06-2022 00:00:00	6-6-2022 6:00 PM	PLANUM SPHENOIDAL MENINGIOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION	2	0	7	20	NO
86	319042	467863	28	F	A+	5-30-2022 5:17 PM	07-06-2022 00:00:00	6-13-2022 4:00 PM	RIGHT CAVERNOUS SINUS MENINGIOMA	RIGHT PTERIONAL CRANIOTOMY AND LIGATION OF ICA + RESECTION	4	4	14	22	NO
87	316825	509787	58	M	A+	3-21-2022 5:58 PM	28-03-2022 00:00:00	3-31-2022 5:00 PM	RIGHT RECURRENT FRONTO PARIETAL CONVEXITY MENINGIOMA	RIGHT REEXPLORATORY CRANIOTOMY AND EXCISION	2	1	10	18	NO
88	314950	503856	57	F	AB+	1-10-2022 5:43 PM	24-01-2022 00:00:00	1-31-2022 4:00 PM	RIGHT CP ANGLE MENINGIOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	21	28	NO
89	315485	503483	55	F	AB+	2-7-2022 5:15 PM	09-02-2022 00:00:00	2-14-2022 4:00 PM	RIGHT CP ANGLE LESION ? MENINGIOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	2	7	45	NO
90	316099	504855	56	.	O+	2-28-2022 5:09 PM	07-03-2022 00:00:00	3-14-2022 5:00 PM	RIGHT CP ANGLE LESION ?MENINGIOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	14	28	NO
91	320586	515956	41	F	A+	7-13-2022 3:34 PM	20-07-2022 00:00:00	7-25-2022 5:00 PM	RIGHT CP ANGLE MENINGIOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	3	2	12	20	NO
92	320771	517708	42	F	A+	7-18-2022 5:30 PM	01-08-2022 00:00:00	8-8-2022 5:00 PM	FORAMEN MAGNUM MENINGIOMA	RIGHT SIDED FAR LATERAL APPROACH	4	3	21	27	NO
93	317932	513099	27	F	O+	4-26-2022 6:17 PM	28-04-2022 00:00:00	5-4-2022 4:00 PM	RIGHT TENTORIAL MENINGIOMA WITH HCP	RIGHT TEMPORAL CRANIOTOMY, SUBTEMPORAL APPROACH AND EXCISION	3	1	8	59	NO
94	321817	518295	60	F	B+	8-22-2022 4:58 PM	25-08-2022 00:00:00	8-29-2022 5:00 PM	RIGHT PARIETAL MID CONVEXITY MENINGIOMA	RIGHT TEMPORO PARIETAL CRANIOTOMY AND EXCISION	2	0	7	21	NO
95	318411	511247	57	F	A-	5-11-2022 6:11 PM	20-05-2022 00:00:00	5-24-2022 5:00 PM	OLFACTORY GROOVE MENINGIOMA	RIGHTB PTERIONAL CRANIOTOMY AND EXCISION	2	0	13	65	NO
96	313264	469909	43	M	A+	11-15-2021 11:22 AM	18-11-2021 00:00:00	11-22-2021 6:00 PM	RT FRONTAL CYSTIC MENINGIOMA	RT FRONTAL CRANIOTOMY AND EXCISION	2	0	7	17	NO
97	313333	505027	48	M	B+	11-24-2021 9:49 AM	29-11-2021 00:00:00	12-2-2021 6:00 PM	RT FRONTAL CONVEXITY MENINGIOMA	RT FRONTAL CRANIOTOMY AND EXCISION	2	0	8	4	NO
98	322650	520723	52	F	O+	9-21-2022 4:05 PM	29-09-2022 00:00:00	10-3-2022 5:00 PM	RT SPHENOID WING MENINGIOMA	RT FRONTO TEMPORAL CRANIOTOMY AND EXCISION	2	1	12	17	NO
99	322686	519486	38	F	B+	9-22-2022 4:52 PM	30-09-2022 00:00:00	10-17-2022 4:00 PM	RT CP ANGLE LESION ? MENINGIOMA	TO TEMPORAL CRANIOTOMY, EXTENDED MIDDLE CRANIAL FOSSA APPROACH AND I	4	2	25	65	NO
100	322222	257396	66	F	A+	9-5-2022 3:37 PM	12-09-2022 00:00:00	9-19-2022 6:00 PM	ECURRENT RT PETROCLIVAL MENINGIOMA WITH MCF EXTENTIO	ONTO TEMPORAL CRANIOTOMY, MIDDLE CRANIAL FOSSA APPROACH AND DECOMPR	2	2	14	66	NO
101	313258	500480	69	M	O+	11-15-2021 11:09 AM	19-11-2021 00:00:00	11-29-2021 5:00 PM	RT MIDDLE 1/3RD PARASAGGITAL MENINGIOMA	RT PARASAGGITAL CRANIOTOMY AND EXCISION	4	0	14	23	NO
102	313626	502802	58	F	B+	11-26-2021 2:31 PM	30-11-2021 00:00:00	12-3-2021 4:00 PM	RT CLINOIDAL MENINGIOMA	RT PTERIONAL CRANIOTOMY AND EXCISION	2	1	7	26	NO
103	312452	474232	47	M	A+	10-18-2021 4:00 PM	26-10-2021 00:00:00	11-2-2021 4:40 PM	RECURRENT PLANUM SPHENOIDAL MENINGIOMA	TRANSNASAL APPROACH AND EXCISION	2	1	15	122	NO
104	322223	519733	62	M	O+	9-5-2022 3:45 PM	12-09-2022 00:00:00	9-14-2022 3:00 PM	RT CAVERNOUS SINUS MENINGIOMA	ENDOSCOPIC TNTS BIOPSY/ DECOMPRESSION	2	0	9	21	NO
105	314875	506737	54	F	B+	1-7-2022 4:53 PM	14-01-2022 00:00:00	1-19-2022 3:00 PM	TUBERCULUM SELLA MENINGIOMA	ENDOSCOPIC TNTS EXCISION	1	0	12	43	NO
106	314948	508153	45	F	B+	1-10-2022 5:59 PM	18-01-2022 00:00:00	1-24-2022 4:00 PM	TUBERCULUM SELLA MENINGIOMA	ENDOSCOPIC TNTS EXCISION	1	0	14	6	NO
107	315339	509708	46	M	B+	1-31-2022 4:29 PM	04-02-2022 00:00:00	2-8-2022 4:00 PM	SUPRASSELLAR LESION ?MENINGIOMA	ENDOSCOPIC TNTS EXCISION	2	0	8	68	NO
108	315602	504391	46	F	A+	2-11-2022 5:30 PM	21-02-2022 00:00:00	2-27-2022 4:00 PM	PLANUM SPHENOIDAL MENINGIOMA	ENDOSCOPIC TNTS EXCISION	2	0	16	44	NO
109	313770	506831	42	F	O+	11-30-2021 6:23 PM	08-12-2021 00:00:00	12-10-2021 6:00 PM	LEFT SPHENOORBITAL LESION - ? MENINGIOMA	T PTERIONAL CRANIOTOMY AND ANTERIOR CLINOID PROCESS DRILLING AND EXCIS	2	2	10	18	NO
110	322595	520164	29	F	A+	9-19-2022 6:28 PM	28-09-2022 00:00:00	9-30-2022 3:00 PM	TUBERCULUM SELLA MENINGIOMA	UPRABROW MINI CRANIOTOMY . ENDOSCOPIC OR MICROSCOPIC APPROACH AND EX	2	0	11	22	NO
111	314782	507173	23	M	A+	1-4-2022 4:25 PM	12-01-2022 00:00:00	1-16-2022 2:00 AM	HT PETROUS LESION ? MENINGIOMA WITH POSTERIOR FOSSA AN	RIGHT PTERIONAL CRANIOTOMY WITH EXTENDED MIDDLE FOSSA APPROACH	0	0	11	15	NO
112	317043	511656	61	F	AB+	3-28-2022 4:03 PM	06-04-2022 00:00:00	4-8-2022 5:00 PM	IT CLINOIDAL MENINGIOMA + LEFT IAC INTRACANALICULAR SM	RIGHT SUPRAORBITAL KEY HOLE APPROACH	1	1	11	14	NO
113	319051	509271	62	F	B+	5-30-2022 6:31 PM	03-06-2022 00:00:00	6-6-2022 6:00 PM	TUBERCULUM SELLA MENINGIOMA	RIGHT SUPRAORBITAL KEY HOLE APPROACH AND EXCISION	0	0	7	26	NO
114	316161	404512	63	F	O+	3-2-2022 4:39 PM	14-03-2022 00:00:00	3-17-2022 4:00 PM	OLFACTORY GROOVE MENINGIOMA	SUPRA ORBITAL KEY HOLE APPROACH AND EXCISION	0	0	15	39	NO
115	320768	516421	68	F	A+	7-18-2022 5:22 PM	25-07-2022 00:00:00	7-27-2022 4:00 PM	PLANUM SPHENOIDALE MENINGIOMA	SUPRAORBITAL KEYHOLE APPROACH AND EXCISION OF TUMOUR	0	0	9	23	NO
116	313536	506713	48	F	A+	11-22-2021 8:48 PM	23-11-2021 00:00:00	11-30-2021 4:00 PM	ACOM ANEURYSM - BLEED	CRANIOTOMY AND CLIPPING	2	1	8	89	NO
117	316025	511177	52	M	B+	2-25-2022 2:46 PM	28-02-2022 00:00:00	3-11-2022 5:00 PM	LEFT ACA-ACOM JUNCTION ANEURYSM	CRANIOTOMY AND CLIPPING	1	1	14	159	NO
118	317172	512856	59	F	O+	4-10-2022 5:49 PM	12-04-2022 00:00:00	4-19-2022 5:00 PM	LTIPLE INTRACRANIAL ANEURYSMS- ACOM AND ICA CAROTID C.	CRANIOTOMY AND CLIPPING	2	1	9	109	NO
119	320919	516491	55	F	B+	7-22-2022 5:20 PM	29-07-2022 00:00:00	8-3-2022 4:00 PM	A COMMUNICATING SEGMENT AND LEFT SUPRACLENOID ANEUR	CRANIOTOMY AND CLIPPING	1	0	12	70	NO
120	318832	490807	57	M	A+	5-24-2022 6:37 PM	31-05-2022 00:00:00	6-8-2022 4:00 PM	LTIPLE INTRACRANIAL ANEURYSMS- ACOM AND ICA CAROTID C.	EXPLORATORY CRANIOTOMY AND CLIPPING OF DACA ANEURYSM	1	0	15	143	NO
121	317483	513317	53	F	B+	4-11-2022 4:49 PM	13-04-2022 00:00:00	4-19-2022 5:00 PM	RIGHT DACA + LEFT PCOM ANEURYSM	LEFT FRONTO TEMPORAL CRANIOTOMY AND CLIPPING	2	1	8	43	NO

122	317401	512935	43	M	A+	4-8-2022 5:21 PM	13-04-2022 00:00:00	4-19-2022 5:00 PM	ACOM ANEURYSM	LEFT FRONTOTEMPORAL CRANIOTOMY AND CLIPPING	1	0	11	109	NO
123	312458	503323	65	F	B+	10-18-2021 5:52 PM	22-10-2021 00:00:00	11-3-2021 4:00 PM	LEFT PROXIMAL A1 ACA ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	3	1	16	116	NO
124	312483	505024	61	M	O+	10-19-2021 10:23 AM	21-10-2021 00:00:00	11-1-2021 4:00 PM	LEFT MCA M1 ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	2	2	13	138	NO
125	314053	507700	46	F	AB+	12-10-2021 1:51 PM	13-12-2021 00:00:00	12-20-2021 4:00 PM	SAH - ACOM ANEURYSM - BLED	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	2	1	10	99	NO
126	316022	511080	49	M	B+	2-25-2022 3:36 PM	02-03-2022 00:00:00	3-22-2022 5:00 PM	LEFT MCA AND ACOM ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	2	0	25	215	NO
127	316100	484759	75	F	B+	2-28-2022 5:14 PM	03-03-2022 00:00:00	3-21-2022 4:00 PM	MCA BIFURCATION ANEURYSM - LEFT SIDE	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	21	101	NO
128	316114	511273	66	F	B+	2-28-2022 6:38 PM	03-03-2022 00:00:00	3-7-2022 5:00 PM	LEFT ACOM ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	7	14	NO
129	318162	512923	50	F	O+	5-4-2022 4:10 PM	09-05-2022 00:00:00	5-11-2022 4:00 PM	LEFT MCA BIFURCATION ANEURYSM (UNBLED)	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	2	1	7	20	NO
130	318377	514733	74	F	A+	5-10-2022 6:00 PM	12-05-2022 00:00:00	5-20-2022 5:00 PM	LEFT PCOM ANEURYSM WITH SAH	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	4	3	10	152	NO
131	318557	515021	55	F	B+	5-16-2022 5:46 PM	18-05-2022 00:00:00	5-30-2022 4:00 PM	LEFT A2 ACOM ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	2	1	14	168	NO
132	321774	519684	42	M	O+	8-21-2022 4:37 AM	24-08-2022 00:00:00	8-30-2022 4:00 PM	LEFT PARA PCOM ANEURYSM + RIGHT A1 ACA ANEURYSM (BLED)	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	9	67	NO
133	317264	504189	32	F	B+	4-4-2022 6:16 PM	08-04-2022 00:00:00	4-12-2022 3:00 PM	LEFT ICA COMMUNICATING SEGMENT SACCULAR ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING	2	1	8	68	NO
134	316115	511227	54	M	O+	2-28-2022 9:01 PM	04-03-2022 00:00:00	3-16-2022 6:00 PM	LEFT ICA - PARACLINOID AND CAROTID CAVE ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING (NECK CONTROL)	1	0	16	115	NO
135	317183	512762	25	F	B+	4-1-2022 9:04 PM	13-05-2022 00:00:00	5-31-2022 5:00 PM	LEFT M1 MCA DISSECTING SACCULAR ANEURYSM (BLED)	LEFT PTERIONAL CRANIOTOMY AND CLIPPING +/- BYPASS	2	1	60	235	NO
136	312907	505809	60	F	O-	11-2-2021 1:28 PM	03-11-2021 00:00:00	11-10-2021 5:30 PM	SAH WITH LEFT MCA ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING OF ANEURYSM	1	0	8	116	NO
137	320218	516737	45	F	O+	7-3-2022 5:10 AM	05-07-2022 00:00:00	7-8-2022 5:00 PM	LEFT ICA COMMUNICATING SEGMENT ANEURYSM	LEFT PTERIONAL CRANIOTOMY AND CLIPPING OF ANEURYSM	3	1	5	67	NO
138	321249	518275	57	M	A+	8-2-2022 4:17 PM	10-08-2022 00:00:00	8-19-2022 5:00 PM	RIGHT A1 ACA + RIGHT ICA C7 + LEFT CAROTID CAVE ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING OF CAROTID CAVE ANEURYSM +/- LEFT STA MC	4	3	17	23	NO
139	312382	504933	19	M	A+	10-14-2021 6:58 AM	20-10-2021 00:00:00	10-25-2021 3:00 PM	OCO ACOM ANEURYSM (BLED)	REEXPLORATION AND CLIPPING WITH BONE FLAP REPLACEMENT	1	0	11	246	NO
140	317087	512712	29	M	B+	3-29-2022 11:09 PM	04-04-2022 00:00:00	4-12-2022 4:00 PM	RIGHT A2 BLISTER ANEURYSM WITH SAH	T FRONTAL CRANIOTOMY AND CLIPPING OF ANEURYSM (INTERHEMISPHERIC APPR	1	0	14	198	NO
141	319310	483235	32	F	O+	6-6-2022 7:07 PM	13-06-2022 00:00:00	6-16-2022 6:00 PM	RIGHT MIDDLE HIPPOCAMPAL AVM SM GRADE 3	RIGHT FRONTOTEMPORAL CRANIOTOMY AND EXCISION	1	0	10	42	NO
142	318808	510219	44	F	A+	5-23-2022 4:34 PM	01-06-2022 00:00:00	6-6-2022 6:00 PM	RIGHT PARIETAL AVM - BLED	RIGHT PARIETAL CRANIOTOMY AND EXCISION	1	0	14	25	NO
143	316912	507336	40	F	A+	3-23-2022 5:50 PM	24-03-2022 00:00:00	3-26-2022 6:00 PM	LEFT DACA ANEURYSM	RIGHT PERICORONAL PARASAGGITAL CRANIOTOMY AND CLIPPING OF ANEURYSM	2	1	3	16	NO
144	318977	230271	36	F	B+	5-27-2022 7:46 PM	01-06-2022 00:00:00	6-16-2022 6:00 PM	RIGHT MCA ANEURYSM	RIGHT PTAERIONAL CRANIOTOMY AND CLIPPING	2	2	20	258	NO
145	313947	507444	52	M	A+	12-6-2021 7:16 PM	10-12-2021 00:00:00	12-20-2021 4:00 PM	SAH IN RIGHT MCA ANEURYSM (BLED)	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	2	2	14	205	NO
146	314750	508807	35	F	O+	1-3-2022 6:00 PM	05-01-2022 00:00:00	1-12-2022 5:00 PM	RIGHT MCA ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	2	1	9	118	NO
147	315717	510465	62	F	O+	2-15-2022 9:46 PM	19-02-2022 00:00:00	2-24-2022 5:00 PM	RIGHT MCA BIFURCATION ANEURYSM - BLED	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	3	1	9	128	NO
148	315891	510869	41	M	O+	2-21-2022 7:41 PM	23-02-2022 00:00:00	3-1-2022 2:15 PM	RIGHT ICA BIFURCATION ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	8	153	NO
149	316561	509386	56	M	O+	3-14-2022 3:51 PM	16-03-2022 00:00:00	3-21-2022 2:20 PM	RESIDUAL ACOM ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	7	117	NO
150	316658	511748	56	F	B+	3-16-2022 4:01 PM	18-03-2022 00:00:00	3-25-2022 7:00 PM	SAH WITH ACOM ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	9	109	NO
151	316650	508801	67	F	B+	3-16-2022 5:45 PM	18-03-2022 00:00:00	3-24-2022 4:00 PM	RIGHT PARACLINOID ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	2	1	8	71	NO
152	317876	513967	53	F	O+	4-25-2022 2:29 PM	27-04-2022 00:00:00	5-5-2022 5:00 PM	ACOM ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	10	117	NO
153	321818	518275	57	M	A+	8-22-2022 5:15 PM	29-08-2022 00:00:00	9-2-2022 6:00 PM	RIGHT ACOM + RIGHT C7 + LEFT CAROTID CAVE ANEURYSM (CLIPP	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	2	2	11	17	NO
154	322033	520099	47	M	O+	8-29-2022 11:32 AM	30-08-2022 00:00:00	9-5-2022 5:00 PM	RIGHT MCA BIFURCATION ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	7	76	NO
155	322086	520174	58	F	O+	8-30-2022 3:15 PM	02-09-2022 00:00:00	9-11-2022 5:00 PM	ACOM ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	12	160	NO
156	315270	509340	33	M	AB+	1-27-2022 5:07 PM	31-01-2022 00:00:00	2-7-2022 4:30 PM	ACOM ANEURYSM - BLED	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	11	79	NO
157	317661	513569	56	F	B+	4-18-2022 7:21 PM	19-04-2022 00:00:00	4-25-2022 4:00 PM	RIGHT M1 MCA ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	7	51	NO
158	317046	512301	46	M	O+	3-28-2022 4:33 PM	30-03-2022 00:00:00	4-5-2022 4:00 PM	ACOM ANEURYSM S/P COILING	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING / VASCULAR RECON OF ANEURYSM AND DECO	3	3	8	19	NO
159	321044	515590	50	M	O-	7-27-2022 3:12 PM	04-08-2022 00:00:00	8-8-2022 5:00 PM	RESIDUAL RIGHT M1 BIFURCATION ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING +/- STA MCA BYPASS	1	0	12	17	NO
160	312885	505467	57	M	O+	11-1-2021 4:30 PM	03-11-2021 00:00:00	11-6-2021 5:00 PM	SAH WITH RIGHT MCA ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING OF ANEURYSM	1	0	5	38	NO
161	314540	508472	36	F	O+	12-27-2021 6:38 PM	28-12-2021 00:00:00	1-4-2022 4:00 PM	SAH IN RIGHT A1 ACA ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING OF ANEURYSM	1	0	8	42	NO
162	314542	508473	59	F	O+	12-27-2021 8:15 PM	29-12-2021 00:00:00	1-3-2022 4:00 PM	RIGHT A1 ACA - ACOM ANEURYSM WITH SAH	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING OF ANEURYSM	1	0	7	76	NO
163	315941	496757	68	M	B+	2-22-2022 5:22 PM	25-02-2022 00:00:00	3-2-2022 5:00 PM	RIGHT TRIGEMINAL ICA ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING OF ANEURYSM	1	0	8	68	NO
164	317101	512761	41	F	B+	3-30-2022 2:51 PM	01-04-2022 00:00:00	4-8-2022 4:45 PM	SAH WITH RT ICA - PCOM JUNCTION ANEURYSM	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING OF ANEURYSM	1	0	9	135	NO
165	321748	517408	67	F	A+	8-20-2022 1:51 PM	24-08-2022 00:00:00	9-2-2022 5:00 PM	MULTIPLE INTRACRANIAL ANEURYSMS - RIGHT ACA AND MCA , LEFT	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING OF RIGHT MCA BIFURCATION ANEURYSM +/- M	1	0	13	187	NO
166	319466	513623	52	F	B+	6-10-2022 4:49 PM	15-06-2022 00:00:00	6-18-2022 5:00 PM	RIGHT CAVERNOUS ICA GIANT ANEURYSM UNBLED	RIGHT PTERIONAL CRANIOTOMY AND PROXIMAL LIGATION OF ICA WITH IMA-MCA BYP	2	2	8	38	NO
167	319545	516206	61	F	O+	6-13-2022 6:46 PM	15-06-2022 00:00:00	6-18-2022 5:00 PM	RIGHT MCA BIFURCATION ANEURYSM (BLED) WFNS GRADE 1 HH	RIGHT PTERIONAL CRANIOTOMY AND CLIPPING	1	0	5	19	NO
168	321912	517192	41	F	B+	8-24-2022 4:53 PM	26-08-2022 00:00:00	8-30-2022 5:00 PM	RIGHT A1-ACOM ACA FUSISACCULAR ANEURYSM	RIGHT STA - A3 BYPASS +/- TRAPPING OR EXCISION	5	3	6	60	NO
169	320391	513855	29	M	AB+	7-7-2022 3:06 PM	18-07-2022 00:00:00	7-22-2022 5:00 PM	LEFT FRONTOTEMPORAL SOL ? GLIOMA	AWAKE LEFT FRONTO TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	15	19	NO
170	315393	509405	21	M	O+	2-2-2022 4:56 PM	04-02-2022 00:00:00	2-9-2022 3:00 PM	RIGHT INSULAR LESION ?GLIOMA	CRANIOTOMY AND DECOMPRESSION	1	0	7	63	NO
171	315536	507088	27	M	O+	2-9-2022 3:00 PM	10-02-2022 00:00:00	2-14-2022 6:15 PM	RIGHT FRONTAL LOBE LESION ?GLIOMA	CRANIOTOMY AND EXCISION	1	0	5	17	NO
172	315341	506995	60	M	B+	1-31-2022 4:37 PM	01-02-2022 00:00:00	2-3-2022 3:30 PM	LEFT PARIETAL LESION ? GLIOMA	CRANIOTOMY AND IMAGE GUIDED EXCISION	1	0	3	19	NO
173	314204	505109	20	M	AB+	12-15-2021 5:04 PM	21-12-2021 00:00:00	12-27-2021 6:00 PM	LEFT FRONTAL LESION - ? GLIOMA	LEFT FRONTAL AWAKE CRANIOTOMY AND DECOMPRESSION	2	1	12	21	NO
174	313556	505005	28	M	A+	11-23-2021 3:50 PM	24-11-2021 00:00:00	11-29-2021 4:00 PM	LEFT FRONTAL GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	2	1	6	20	NO
175	314371	507061	31	M	A+	12-20-2021 6:28 PM	24-12-2021 00:00:00	12-28-2021 5:00 PM	LEFT FRONTAL LESION - ? GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	2	0	8	78	NO
176	314519	507176	24	M	O+	12-27-2021 5:18 PM	29-12-2021 00:00:00	12-31-2021 5:00 PM	LEFT FRONTAL LESION - ? GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	4	20	NO
177	315669	509146	35	M	O+	2-14-2022 5:22 PM	16-02-2022 00:00:00	2-23-2022 6:00 PM	LEFT FRONTAL LOBE LESION ? GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	9	139	NO
178	315889	506934	57	M	O+	2-21-2022 7:42 PM	23-02-2022 00:00:00	3-7-2022 5:00 PM	BIFRONTAL AND CORPUS CALLOSUM LESION - ?HGG	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	14	47	NO
179	315951	508372	52	M	B+	2-22-2022 4:47 PM	28-02-2022 00:00:00	3-3-2022 5:30 PM	LEFT FRONTAL LESION ?GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	9	47	NO
180	320040	513851	39	M	B+	6-28-2022 3:04 PM	04-07-2022 00:00:00	7-6-2022 5:00 PM	DIFFUSE INFILTRATING LEFT FRONTAL GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	8	22	NO
181	321634	515134	19	F	B+	8-16-2022 6:17 PM	22-08-2022 00:00:00	8-24-2022 4:00 PM	LEFT MIDDLE FRONTAL GYRUS LESION ? GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	8	23	NO
182	322334	514254	22	M	O-	9-12-2022 5:31 PM	13-09-2022 00:00:00	9-16-2022 4:00 PM	LEFT FRONTAL GLIOMA	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	4	13	NO
183	317294	509815	26	M	O+	4-5-2022 4:13 PM	11-04-2022 00:00:00	4-17-2022 4:00 PM	LEFT FRONTAL LESION ? GLIOMA	LEFT FRONTAL CRANIOTOMY AND EXCISION	1	0	12	21	NO
184	316236	510803	46	M	O+	3-4-2022 5:51 PM	08-03-2022 00:00:00	3-14-2022 5:00 PM	LEFT FRONTO PARIETAL LESION ?HGG	LEFT FRONTO PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	10	16	NO
185	318023	512800	57	M	B+	4-29-2022 5:24 PM	09-05-2022 00:00:00	5-17-2022 5:00 PM	LEFT FRONTO CALLOSAL GLIOMA	LEFT FRONTO PARIETAL CRANIOTOMY AND DECOMPRESSION	0	0	18	21	NO
186	319070	510752	35	M	B+	5-31-2022 3:00 PM	06-06-2022 00:00:00	6-15-2022 5:00 PM	LEFT POSTERIOR FRONTAL REGION LGG	LEFT FRONTO PARIETAL CRANIOTOMY AND EXCISION	1	0	15	25	NO
187	314744	508052	32	M	O+	1-3-2022 5:43 PM	07-01-2022 00:00:00	1-11-2022 5:00 PM	LEFT FTP GLIOMA	LEFT FRONTO TEMPORAL AWAKE CRANIOTOMY AND DECOMPRESSION	1	0	8	72	NO

188	314146	262957	49	F	O+	12-13-2021 4:38 PM	17-12-2021 00:00:00	12-24-2021 4:00 PM	LEFT INSULAR LESION - ? GLIOMA	LEFT FRONTO TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	11	66	NO
189	317386	509874	34	F	NEC	4-7-2022 7:24 PM	13-04-2022 00:00:00	4-20-2022 5:00 PM	LEFT FRONTO PARIETAL LESION ? GLIOMA	LEFT FRONTO TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	13	44	NO
190	312746	503284	35	M	A+	10-27-2021 4:20 PM	05-11-2021 00:00:00	11-9-2021 4:00 PM	LEFT FRONTO TEMPORAL GLIOMA	LEFT FRONTO TEMPORAL CRANIOTOMY AND DECOMPRESSION OF LESION	1	0	13	72	NO
191	319179	515229	32	M	O+	6-2-2022 6:25 PM	09-06-2022 00:00:00	6-13-2022 4:00 PM	LEFT INSULAR GLIOMA	LEFT FRONTOPARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	11	23	NO
192	312451	504447	45	M	B+	10-18-2021 5:39 PM	22-10-2021 00:00:00	10-27-2021 4:00 PM	LEFT TEMPORAL HGG	LEFT FRONTOTEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	9	64	NO
193	320882	517960	36	F	O+	7-21-2022 5:14 PM	26-07-2022 00:00:00	7-30-2022 4:00 PM	LEFT TEMPORAL GLIOMA	LEFT FRONTOTEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	9	3	NO
194	317654	512637	41	M	B+	4-18-2022 6:21 PM	21-04-2022 00:00:00	4-24-2022 5:00 PM	LEFT PARIETO OCCIPITAL ICSOL ? HGG	LEFT OCCIPITAL CRANIOTOMY AND DECOMPRESSION	1	0	6	20	NO
195	317610	497457	27	F	B+	4-18-2022 11:59 AM	19-04-2022 00:00:00	4-25-2022 7:00 PM	LEFT POSTERIOR TEMPORAL LOBE LESION - ? GANGLIOGLIOMA	LEFT OCCIPITO TEMPORAL CRANIOTOMY AND LESIONECTOMY	1	0	7	17	NO
196	319378	456987	18	M	O+	6-8-2022 2:03 PM	09-06-2022 00:00:00	6-15-2022 5:00 PM	LEFT OCCIPITOPARIETAL GLIOSIS	LEFT OCCIPITOPARIETAL CRANIOTOMY AND EXCISION	0	0	7	24	NO
197	313332	502817	27	M	O+	11-16-2021 4:51 PM	18-11-2021 00:00:00	11-26-2021 6:00 PM	LEFT FRONTAL GLIOMA	LEFT PARASAGGITAL CRANIOTOMY AND DECOMPRESSION	1	0	10	24	NO
198	317736	512645	39	M	O+	4-20-2022 5:17 PM	26-04-2022 00:00:00	4-29-2022 5:30 PM	LEFT PARIETAL LOBE LESION ?HGG	LEFT PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	9	21	NO
199	318463	489008	34	M	O+	5-13-2022 4:15 PM	19-05-2022 00:00:00	5-24-2022 5:00 PM	LEFT PARIETAL GLIOMA	LEFT PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	11	20	NO
200	319386	466079	27	M	O+	6-8-2022 4:57 PM	14-06-2022 00:00:00	6-20-2022 7:00 PM	LEFT POSTERIOR FRONTAL GLIOMA	LEFT PERICORONAL PARASAGGITAL AWAKE CRANIOTOMY AND DECOMPRESSION	1	0	12	51	NO
201	318356	511721	37	M	O+	5-10-2022 7:49 PM	19-05-2022 00:00:00	5-25-2022 2:50 PM	LEFT THALAMIC GLIOMA	ORONAL PARASAGGITAL CRANIOTOMY AND DECOMPRESSION (INTERHEMISPHERIC	1	0	15	121	YES
202	318553	514034	24	M	A+	5-16-2022 5:23 PM	23-05-2022 00:00:00	5-25-2022 5:00 PM	LEFT INSULAR GLIOMA	LEFT PTERIONAL CRANIOTOMY AND DECOMPRESSION	1	0	9	19	NO
203	317065	484043	38	F	O+	3-29-2022 4:58 PM	04-04-2022 00:00:00	4-7-2022 4:30 PM	LEFT TEMPORAL LESION ?LGG	LEFT PTERIONAL CRANIOTOMY AND DECOMPRESSION OF LESION	1	0	9	41	NO
204	313558	505472	67	F	B+	11-23-2021 4:29 PM	29-11-2021 00:00:00	12-2-2021 6:00 PM	LEFT TRIGONAL HGG	LEFT TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	9	16	NO
205	315966	509478	58	F	NEC	2-23-2022 3:02 PM	24-02-2022 00:00:00	3-2-2022 5:00 PM	LEFT TEMPORAL LESION ?GLIOMA	LEFT TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	7	102	NO
206	319541	511713	42	F	A-	6-13-2022 6:23 PM	21-06-2022 00:00:00	6-24-2022 5:00 PM	LEFT TEMPORAL HGG	LEFT TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	11	27	NO
207	321469	519011	46	M	B-	8-10-2022 4:09 PM	22-08-2022 00:00:00	8-24-2022 4:00 PM	LEFT TEMPORAL LGG	LEFT TEMPORAL CRANIOTOMY AND DECOMPRESSION	0	0	14	25	NO
208	313323	490941	25	M	O+	11-16-2021 4:13 PM	17-11-2021 00:00:00	11-25-2021 5:00 PM	LEFT TEMPORAL GANGLIOGLIOMA	LEFT TEMPORAL CRANIOTOMY AND EXCISION	1	0	9	5	NO
209	319194	509759	29	M	AB+	6-3-2022 3:34 PM	09-06-2022 00:00:00	6-13-2022 4:00 PM	LEFT TEMPORAL GLIOMA	LEFT TEMPORAL CRANIOTOMY AND EXCISION	1	0	10	17	NO
210	322338	518425	62	M	O+	9-12-2022 5:11 PM	14-09-2022 00:00:00	9-17-2022 6:30 PM	LEFT TEMPORO PARIETAL LESION ? HGG	LEFT TEMPORO PARIETAL CRANIOTOMY AND DECOMPRESSION	2	2	5	69	YES
211	322613	519721	56	F	A+	9-20-2022 4:31 PM	27-09-2022 00:00:00	10-14-2022 5:00 PM	LEFT TEMPORO OCCIPITAL LESION ?HGG	LEFT TEMPORO PARIETO OCCIPITAL CRANIOTOMY AND DECOMPRESSION	2	2	24	44	NO
212	317066	508445	25	M	A+	3-29-2022 5:58 PM	05-04-2022 00:00:00	4-11-2022 4:00 PM	LEFT POSTERIOMEDIAL TEMPORAL LESION ? LGG	LEFT TEMPORO-PARIETO-OCCIPITAL CRANIOTOMY AND DECOMPRESSION	1	0	13	11	NO
213	318020	510857	30	M	O-	4-29-2022 5:29 PM	04-05-2022 00:00:00	5-9-2022 4:00 PM	LEFT TEMPORAL LOBE LESION ? DNET / GANGLIOGLIOMA	LEFTY TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	10	22	NO
214	314605	501884	30	F	A+	12-29-2021 3:49 PM	30-12-2021 00:00:00	1-3-2022 4:00 PM	RIGHT CEREBELLAR DIFFUSE LESION - ? GLIOMA	MLSO CRANIOTOMY AND BIOPSY/DECOMPRESSION +/- CSF DIVERSION PROCEDURE	1	0	5	24	NO
215	319074	490614	27	F	O-	5-31-2022 6:20 PM	07-06-2022 00:00:00	6-10-2022 5:00 PM	RECURRENT LEFT FRONTAL GLIOMA	REEXPLORATION AND DECOMPRESSION	1	0	10	19	NO
216	318814	436147	27	F	A+	5-23-2022 4:36 PM	26-05-2022 00:00:00	5-30-2022 4:30 PM	RECURRENT RIGHT FRONTO PARIETAL GLIOMA	REEXPLORATION FRONTO PARIETAL CRANIOTOMY AND DECOMPRESSION	2	1	7	13	NO
217	317145	385979	43	M	AB+	3-31-2022 7:49 PM	08-04-2022 00:00:00	4-20-2022 5:00 PM	RECURRENT RIGHT PARIETAL GLIOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	1	0	20	64	NO
218	319594	345096	46	M	B+	6-14-2022 10:37 PM	21-06-2022 00:00:00	6-30-2022 5:00 PM	RECURRENT LEFT TEMPORO PARIETAL GLIOBLA S/P RT	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	1	0	16	41	NO
219	321191	476602	51	M	O+	8-1-2022 5:42 PM	04-08-2022 00:00:00	8-8-2022 5:00 PM	RECURRENT LEFT PARIETAL GLIOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	1	0	7	25	NO
220	317590	512958	42	M	A+	4-17-2022 4:02 PM	23-04-2022 00:00:00	5-8-2022 4:15 PM	RECURRENT LEFT TEMPORO PARIETAL GLIOBLASTOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	2	2	21	424	YES
221	314052	507186	21	M	O+	12-10-2021 1:47 PM	13-12-2021 00:00:00	12-16-2021 4:00 PM	STRUCTIVE HCP DUE TO TECTAL PLATE GLIOMA + CSF RHINORRHOEA	EXPLORATORY ENDOSCOPIC TRANSNASAL CSF RHINORRHEA REPAIR + PROGRAMMABLE V	1	0	6	7	NO
222	321518	327343	45	M	A+	8-11-2022 3:36 PM	16-08-2022 00:00:00	8-24-2022 4:00 PM	RIGHT FRONTAL LOW GRADE GLIOMA	RIGHT FRONTAL AWAKE CRANIOTOMY AND DECOMPRESSION	0	0	13	64	NO
223	312560	501738	43	M	O+	10-21-2021 3:45 PM	02-11-2021 00:00:00	11-4-2021 4:00 PM	RIGHT FRONTAL GLIOMA	RIGHT FRONTAL CRANIOTOMY AND BIOPSY/DECOMPRESSION OF LESION	1	0	14	6	NO
224	312176	502512	62	M	O-	10-6-2021 5:19 PM	11-10-2021 00:00:00	10-13-2021 4:00 PM	RIGHT FRONTAL GLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	7	19	NO
225	315657	501081	31	M	A+	2-14-2022 4:32 PM	15-02-2022 00:00:00	2-18-2022 5:00 PM	RIGHT MEDIAL FRONTAL LESION ?GLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	2	1	4	20	NO
226	315970	507616	26	M	A+	2-23-2022 5:37 PM	28-02-2022 00:00:00	3-4-2022 5:00 PM	RIGHT FRONTAL LESION ? GLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	9	49	NO
227	316191	330100	31	M	AB+	3-3-2022 4:27 PM	08-03-2022 00:00:00	3-11-2022 5:00 PM	RIGHT FRONTAL LESION ?GLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	8	20	NO
228	317335	500735	31	M	A+	4-6-2022 5:48 PM	12-04-2022 00:00:00	4-15-2022 4:00 PM	RIGHT FRONTO CALLOSAL GLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	9	19	NO
229	317962	485225	37	F	O+	4-27-2022 4:34 PM	05-05-2022 00:00:00	5-10-2022 5:00 PM	RIGHT MEDIAL FRONTAL GLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	13	21	NO
230	317987	496199	42	M	O+	4-28-2022 3:12 PM	05-05-2022 00:00:00	5-9-2022 4:00 PM	RIGHT FRONTAL GLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	11	18	NO
231	317144	510000	25	M	A+	3-31-2022 7:53 PM	11-04-2022 00:00:00	4-17-2022 4:00 PM	FRONTO CALLOSAL GLIOMA	RIGHT FRONTAL CRANIOTOMY AND EXCISION	1	0	17	17	NO
232	322713	518355	37	F	A+	9-23-2022 3:18 PM	29-09-2022 00:00:00	10-7-2022 4:00 PM	RT FRONTAL LESION /GLIOMA	RIGHT FRONTAL CRANIOTOMY AND EXCISION	5	3	14	92	NO
233	318105	468727	23	M	B+	5-4-2022 3:56 PM	10-05-2022 00:00:00	5-17-2022 5:15 PM	RIGHT RECURRENT FRONTAL GLIOMA	RIGHT FRONTO PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	13	20	NO
234	314951	420580	40	M	NEC	1-10-2022 4:54 PM	20-01-2022 00:00:00	1-24-2022 4:00 PM	RIGHT INSULAR GLIOMA	RIGHT FRONTO TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	14	19	NO
235	312319	504633	28	F	O+	10-11-2021 5:23 PM	18-10-2021 00:00:00	10-22-2021 4:00 PM	RIGHT FRONTOTEMPORO OCCIPITAL HGG	RIGHT FRONTOPARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	11	37	NO
236	321948	518816	50	M	O+	8-25-2022 5:03 PM	30-08-2022 00:00:00	9-6-2022 4:00 PM	RIGHT FRONTO PARIETAL GLIOMA	RIGHT FRONTOPARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	12	137	NO
237	312520	314948	46	F	O+	10-20-2021 3:39 PM	26-10-2021 00:00:00	11-6-2021 6:00 PM	RECURRENT RIGHT FRONTO LOBE GLIOMA	RIGHT FRONTOTEMPORAL CRANIOTOMY AND DECOMPRESSION	2	1	17	27	NO
238	319559	516076	43	M	O+	6-14-2022 4:24 PM	20-06-2022 00:00:00	6-23-2022 5:00 PM	RIGHT FRONTAL GLIOMA	RIGHT FRONTOTEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	9	22	NO
239	321276	518327	62	M	B+	8-3-2022 4:29 PM	08-08-2022 00:00:00	8-20-2022 4:00 PM	RIGHT FRONTAL GLIOMA	RIGHT FRONTOTEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	17	46	NO
240	321829	515319	62	M	O+	8-22-2022 6:08 PM	26-08-2022 00:00:00	9-1-2022 4:00 PM	RIGHT SUPERIOR TEMPORAL GYRUS LESION ? GLIOMA	RIGHT TEMPORAL CRANIOTOMY AND DECOMPRESSION	0	0	10	62	NO
241	318332	453387	41	M	B+	5-9-2022 8:24 PM	16-05-2022 00:00:00	5-19-2022 5:00 PM	RIGHT TEMPORAL GLIOMA	RIGHT TEMPORAL CRANIOTOMY AND EDECOMPRESSION	1	0	10	25	NO
242	321458	512997	19	F	A+	8-10-2022 5:41 PM	11-08-2022 00:00:00	8-15-2022 2:30 PM	RIGHT MEDIAL TEMPORAL GANGLIOGLIOMA	RIGHT TEMPORAL CRANIOTOMY AND RIGHT MTL	0	0	5	18	NO
243	314751	503639	46	M	A+	1-3-2022 6:08 PM	05-01-2022 00:00:00	1-10-2022 5:00 PM	RIGHT TEMPORAL GLIOMA	RIGHT TEMPORO PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	7	23	NO
244	320767	515064	31	M	B-	7-18-2022 5:53 PM	25-07-2022 00:00:00	7-27-2022 4:00 PM	RIGHT PARIETAL GLIOMA	RIGHT TEMPOROPARIETAL AWAKE CRANIOTOMY AND DECOMPRESSION OF TUMOUR	1	0	9	6	NO
245	322466	520391	50	M	O+	9-15-2022 5:22 PM	20-09-2022 00:00:00	9-26-2022 5:00 PM	RT FRONTAL GLIOMA	RT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	11	43	NO
246	314579	507471	54	F	O+	12-28-2021 5:43 PM	30-12-2021 00:00:00	1-3-2022 4:00 PM	LEFT FRONTAL LESION - ? METASTASIS FROM CA BREAST	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	6	21	NO
247	321723	495460	57	M	B+	8-19-2022 5:27 PM	23-08-2022 00:00:00	8-29-2022 5:00 PM	LEFT FRONTAL METASTASES IN KCO CA LUNG	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	10	10	NO
248	316163	506778	61	M	NEC	3-2-2022 5:51 PM	04-03-2022 00:00:00	3-8-2022 6:00 PM	RT FRONTAL CONVEXITY DURAL BASED LESION K/C/O CA PROSTATE	LEFT FRONTAL CRANIOTOMY AND EXCISION	1	0	6	108	NO
249	319075	514078	49	F	O+	5-31-2022 4:08 PM	06-06-2022 00:00:00	6-9-2022 4:00 PM	LEFT FRONTAL METASTATIC LESION	LEFT FRONTAL CRANIOTOMY AND EXCISION	1	0	9	19	NO
250	314234	388785	69	F	O+	12-16-2021 4:38 PM	20-12-2021 00:00:00	12-27-2021 5:00 PM	LEFT FRONTO PARIETAL METASTASIS IN OCO RIGHT CA BREAST	LEFT FRONTO PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	11	3	NO
251	314149	507169	64	F	A+	12-13-2021 4:47 PM	15-12-2021 00:00:00	12-27-2021 8:30 PM	LEFT TRIGONAL LESION - ? METASTASIS	FRONTO OCCIPITAL CRANIOTOMY , POSTERIOR INTERHEMISPHERIC APPROACH AND DECC	2	1	14	164	NO
252	314144	505435	57	M	A+	12-13-2021 5:06 PM	15-12-2021 00:00:00	12-17-2021 6:00 PM	LEFT CEREBELLAR LESION - ? METASTASIS	LEFT RSSO CRANIOTOMY AND DECOMPRESSION	1	0	4	21	NO
253	318355	514377	57	F	B+	5-10-2022 3:53 PM	11-05-2022 00:00:00	5-15-2022 4:00 PM	LEFT ANTERIOR TEMPORAL LESON ? METASTASIS	LEFT TEMPORAL CRANIOTOMY AND EXCISION	1	0	5	37	NO

254	313588	505440	70	F	A+	11-24-2021 4:04 PM	29-11-2021 00:00:00	12-4-2021 8:00 PM	POSTERIOR FOSSA METASTATIC LESION	MLSO CRANIOTOMY AND DECOMPRESSION	2	1	10	18	NO
255	315969	509931	60	M	B+	2-23-2022 3:02 PM	28-02-2022 00:00:00	3-3-2022 5:30 PM	CEREBELLAR VERMIAN LESION ? METASTASES	MLSO CRANIOTOMY AND DECOMPRESSION	1	0	8	42	NO
256	316692	503559	52	M	AB+	3-17-2022 5:09 PM	25-03-2022 00:00:00	4-5-2022 4:00 PM	SOLITARY CEREBELLAR LESION ? METS	MLSO CRANIOTOMY AND DECOMPRESSION	1	0	19	71	NO
257	315237	388785	69	F	O+	1-24-2022 6:05 PM	28-01-2022 00:00:00	2-1-2022 5:00 PM	LEFT CEREBELLAR METS IN OCO RIGHT CA BREAST	MLSO CRANIOTOMY AND EXCISION	2	1	8	9	NO
258	319463	514028	62	F	A+	6-10-2022 5:10 PM	13-06-2022 00:00:00	6-17-2022 4:00 PM	CEREBELLAR METASTASIS IN OCO LEFT BREAST CARCINOMA	MLSO CRANIOTOMY AND EXCISION	2	1	7	16	NO
259	313771	506904	49	F	O+	11-30-2021 5:16 PM	10-12-2021 00:00:00	12-13-2021 6:00 PM	MULTIPLE CEREBRAL METASTASES IN K/C/O CA BREAST	MULTIPLE CRANIOTOMY AND DECOMPRESSION OF METASTATIC LESIONS	1	0	13	21	NO
260	318576	510864	53	M	B+	5-17-2022 4:32 PM	20-05-2022 00:00:00	5-24-2022 5:00 PM	RIGHT TEMPORAL LOBE LESION WITH RECURRENT METASTASIS	REEXPLORATION CRANIOTOMY AND DECOMPRESSION	1	0	7	61	NO
261	321722	518939	34	F	A+	8-19-2022 5:02 PM	23-08-2022 00:00:00	8-29-2022 5:00 PM	RIGHT FRONTAL LOBE LESION ? METASTASIS	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	0	10	24	NO
262	322126	519496	57	F	B+	9-1-2022 4:02 PM	05-09-2022 00:00:00	9-7-2022 5:00 PM	RIGHT FRONTO PARIETAL CORTICAL LESION ? METS IN K/C/O CA OVARY	RIGHT FRONTO PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	6	19	NO
263	320562	517091	61	M	A+	7-12-2022 3:05 PM	18-07-2022 00:00:00	7-25-2022 5:00 PM	RIGHT FRONTOPARIETAL LESION ? METS / HGG	RIGHT FRONTOPARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	13	17	NO
264	314517	506832	57	F	A+	12-27-2021 5:05 PM	28-12-2021 00:00:00	1-1-2022 4:00 PM	RIGHT PARIETAL LESION - ?METASTASIS FROM CA BREAST	RIGHT PARIETAL CRANIOTOMY AND EXCISION	1	0	5	24	NO
265	319826	516178	55	F	B+	6-21-2022 3:15 PM	23-06-2022 00:00:00	6-28-2022 3:30 PM	RIGHT CEREBELLAR METASTATIC LESION IN OCO KCO CA OVARY	RIGHT SUBOCCIPITAL CRANIOTOMY AND DECOMPRESSION	1	0	7	108	NO
266	322055	519485	50	F	A+	8-29-2022 5:47 PM	02-09-2022 00:00:00	9-6-2022 4:00 PM	RIGHT TEMPORAL LESION IN OCO RIGHT CA BREAST ? METS	RIGHT TEMPORAL CRANIOTOMY AND DECOMPRESSION	1	0	8	65	NO
267	314270	506088	25	M	O+	12-17-2021 4:52 PM	24-12-2021 00:00:00	12-28-2021 12:20 PM	RIGHT TRIGEMINAL NERVE LESION - ? SCHWANNOMA	ENDOSCOPIC TRANSNASAL TRANSPTERYGOID APPROACH AND EXCISION	2	0	11	93	NO
268	319543	516100	20	F	B+	6-13-2022 6:42 PM	20-06-2022 00:00:00	6-22-2022 5:00 PM	NF2 WITH TYPE C RIGHT TRIGEMINAL SCHWANNOMA	EXTENDED MIDDLE CRANIAL FOSSA APPROACH AND DECOMPRESSION	2	1	9	22	NO
269	319540	513823	22	F	O+	6-13-2022 6:37 PM	17-06-2022 00:00:00	6-27-2022 4:00 PM	CERVICOMEDULLARY SCHWANNOMA	FAR LATERAL APPROACH AND EXCISION	3	2	14	59	NO
270	320987	502167	23	F	O+	7-25-2022 5:57 PM	05-08-2022 00:00:00	8-9-2022 4:00 PM	LEFT TRIGEMINAL SCHWANNOMA	LEFT FRONTOTEMPORAL CRANIOTOMY + mcf APPROACH + EXCISION	2	1	15	24	NO
271	315573	507226	49	M	O+	2-10-2022 4:08 PM	16-02-2022 00:00:00	2-18-2022 2:50 PM	TRIGEMINAL SCHWANNOMA - LEFT SIDE	LEFT PTERIONAL CRANIOTOMY AND INTERDURAL EXCISION	2	0	8	45	NO
272	321913	516473	36	M	B+	8-24-2022 5:26 PM	01-09-2022 00:00:00	9-7-2022 5:00 PM	LEFT TRIGEMINAL SCHWANNOMA	LEFT PTERIONAL CRANIOTOMY AND MCF APPROACH AND EXCISION	2	0	14	125	NO
273	317771	512359	43	M	B+	4-21-2022 7:33 PM	28-04-2022 00:00:00	5-1-2022 4:30 PM	LEFT CP ANGLE LESION ? VESTIBULAR SCHWANNOMA	LEFT RSSO CRANIOTOMY AND DECOMPRESSION	2	0	10	20	NO
274	315163	507089	64	M	B+	1-19-2022 11:30 AM	27-01-2022 00:00:00	1-31-2022 5:00 PM	LEFT CP ANGLE SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	0	12	17	NO
275	315426	509227	30	M	A+	2-5-2022 2:47 PM	08-02-2022 00:00:00	2-11-2022 6:00 PM	LEFT CP ANGLE LESION ?SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	0	6	25	NO
276	315454	508927	43	F	AB+	2-5-2022 5:07 PM	10-02-2022 00:00:00	2-14-2022 4:00 PM	LEFT CP ANGLE LESION ?SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	1	9	21	NO
277	317334	510010	20	F	B+	4-6-2022 3:14 PM	13-04-2022 00:00:00	4-17-2022 4:00 PM	LEFT CP ANGLE LESION ? SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	2	11	43	NO
278	317770	511965	18	M	A+	4-21-2022 3:12 PM	25-04-2022 00:00:00	5-4-2022 4:00 PM	B/L VESTIBULAR SCHWANNOMA IN KCO NF2 (L>R)	LEFT RSSO CRANIOTOMY AND EXCISION	3	3	13	161	NO
279	318877	512013	49	M	O+	5-25-2022 3:50 PM	31-05-2022 00:00:00	6-6-2022 6:00 PM	LEFT CYSTIC VESTIBULAR SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	1	12	47	NO
280	319464	515433	31	F	A+	6-10-2022 4:46 PM	27-06-2022 00:00:00	7-4-2022 4:00 PM	LEFT VESTIBULAR SCHWANNOMA S/P RIGHT VP SHUNT	LEFT RSSO CRANIOTOMY AND EXCISION	2	2	24	76	NO
281	321125	516831	57	F	B+	7-30-2022 3:57 PM	03-08-2022 00:00:00	8-10-2022 5:00 PM	LEFT CP ANGLE VESTIBULAR SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	0	11	115	NO
282	322289	518509	66	M	O+	9-11-2022 3:36 PM	13-09-2022 00:00:00	9-17-2022 6:45 PM	LEFT CP ANGLE LESION ?SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	1	6	19	NO
283	322574	516732	39	M	O+	9-19-2022 6:02 PM	27-09-2022 00:00:00	9-30-2022 3:00 PM	LEFT CP ANGLE LESION ?VESTIBULAR SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	0	11	16	NO
284	312999	483295	37	F	B+	11-5-2021 4:59 PM	08-11-2021 00:00:00	11-30-2021 5:17 PM	LEFT VESTIBULAR SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION OF LESION	2	0	25	90	NO
285	320419	515069	49	F	A+	7-21-2022 7:14 PM	27-07-2022 00:00:00	8-2-2022 5:00 PM	LEFT VESTIBULAR SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION OF TUMOUR	2	0	12	22	NO
286	319312	513521	54	M	B+	6-6-2022 5:53 PM	14-06-2022 00:00:00	6-20-2022 6:00 PM	LEFT CP ANGLE SCHWANNOMA	LEFT RSSO CRANIOTOMY AND EXCISION	2	1	14	44	NO
287	316380	370091	54	M	AB+	3-8-2022 5:42 PM	22-03-2022 00:00:00	3-30-2022 4:00 PM	RECURRENT RIGHT CP ANGLE SCHWANNOMA	REEXPLORATION AND DECOMPRESSION OF LESION	2	0	22	46	NO
288	320268	513750	48	F	A+	7-4-2022 6:00 PM	12-07-2022 00:00:00	7-15-2022 6:00 PM	RECURRENT LEFT CP ANGLE TUMOUR ? SCHWANNOMA	REEXPLORATION AND EXCISION	2	0	11	21	NO
289	315043	501736	41	M	A+	1-12-2022 6:23 PM	13-01-2022 00:00:00	1-15-2022 5:00 PM	B/L CP ANGLE SCHWANNOMA IN KCO NFII	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	2	1	3	38	NO
290	316815	487951	39	F	B+	3-21-2022 5:30 PM	29-03-2022 00:00:00	4-1-2022 5:00 PM	LEFT RECURRENT VESTIBULAR SCHWANNOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	2	0	11	23	NO
291	317295	200798	40	F	O+	4-5-2022 4:01 PM	12-04-2022 00:00:00	4-17-2022 4:00 PM	RIGHT RECURRENT VESTIBULAR SCHWANNOMA	REEXPLORATORY CRANIOTOMY AND EXCISION	2	0	12	24	NO
292	322500	362760	44	F	B+	9-16-2022 4:30 PM	26-09-2022 00:00:00	9-30-2022 4:00 PM	RIGHT RECURRENT TRIGEMINAL SCHWANNOMA	EXPLORATORY CRANIOTOMY, MIDDLE CRANIAL FOSSA APPROACH AND DECOMPRESSION	2	2	14	19	NO
293	317986	509203	35	M	A+	4-28-2022 4:30 PM	05-05-2022 00:00:00	5-9-2022 2:00 PM	RIGHT TRIGEMINAL SCHWANNOMA	RIGHT FRONTO TEMPORAL CRANIOTOMY AND DECOMPRESSION	2	2	11	18	NO
294	311825	502667	27	M	AB+	9-26-2021 1:08 PM	04-10-2021 00:00:00	10-11-2021 4:00 PM	RIGHT TRIGEMINAL SCHWANNOMA	RIGHT FRONTOTEMPORAL CRANIOTOMY AND EXTENDED MIDDLE CRANIAL FOSSA APPROACH	2	0	15	13	NO
295	321314	517174	59	M	B+	8-4-2022 7:32 PM	10-08-2022 00:00:00	8-14-2022 11:00 AM	RIGHT TRIGEMINAL SCHWANNOMA	RIGHT PTERIONAL CRANIOTOMY + MCF APPROACH + EXCISION	2	0	10	18	NO
296	317300	508817	35	M	B+	4-5-2022 7:43 PM	12-04-2022 00:00:00	4-17-2022 4:00 PM	RECURRENT RIGHT TRIGEMINAL SCHWANNOMA	CRANIAL CRANIOTOMY + TEMPORAL LOBECTOMY AND DECOMPRESSION (EXTRADURAL)	2	0	12	16	NO
297	321632	512160	38	M	AB+	8-19-2022 4:10 PM	26-08-2022 00:00:00	9-5-2022 5:00 PM	RIGHT VESTIBULAR SCHWANNOMA	RIGHT RMSO CRANIOTOMY AND EXCISION	2	0	17	138	NO
298	312317	499809	36	F	A-	10-11-2021 5:33 PM	18-10-2021 00:00:00	10-22-2021 4:00 PM	RIGHT CP ANGLE LESION - SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND DECOMPRESSION	2	1	11	43	NO
299	319203	515534	29	F	A+	6-3-2022 5:41 PM	13-06-2022 00:00:00	6-16-2022 6:00 PM	RIGHT VESTIBULAR SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND DECOMPRESSION	2	1	13	27	NO
300	322221	519842	20	F	B+	9-5-2022 5:08 PM	12-09-2022 00:00:00	9-15-2022 5:00 PM	RT CP ANGLE LESION ? VESTIBULAR SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND DECOMPRESSION	2	0	10	22	NO
301	314170	506410	23	M	O+	12-14-2021 6:48 PM	21-12-2021 00:00:00	12-27-2021 6:00 PM	RIGHT CP ANGLE LESION - ? SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	1	13	18	NO
302	314232	505794	53	F	A+	12-16-2021 3:13 PM	22-12-2021 00:00:00	12-27-2021 5:00 PM	RIGHT CP ANGLE LESION - ? SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	11	18	NO
303	314332	507078	33	F	O+	12-19-2021 4:38 PM	24-12-2021 00:00:00	12-29-2021 4:00 PM	RIGHT CP ANGLE LESION - ? VESTIBULAR SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	10	92	NO
304	315302	508805	44	M	O+	1-29-2022 3:19 PM	02-02-2022 00:00:00	2-7-2022 5:00 PM	RIGHT CP ANGLE LESION ?SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	9	18	NO
305	315310	507762	60	F	O+	1-30-2022 4:01 PM	01-02-2022 00:00:00	2-4-2022 4:00 PM	RIGHT CP ANGLE SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	2	5	23	NO
306	315620	505917	53	M	O+	2-13-2022 12:03 PM	16-02-2022 00:00:00	2-21-2022 6:00 PM	RIGHT CP ANGLE LESION ? SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	8	42	NO
307	318436	511126	55	F	O+	5-12-2022 4:26 PM	23-05-2022 00:00:00	5-27-2022 5:00 PM	RIGHT CP ANGLE SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	15	24	NO
308	319828	512684	48	M	A+	6-21-2022 2:59 PM	28-06-2022 00:00:00	6-30-2022 4:00 PM	RIGHT CP SHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	2	0	9	24	NO
309	319999	514984	19	M	O+	6-27-2022 3:56 PM	04-07-2022 00:00:00	7-7-2022 6:00 PM	RIGHT CP ANGLE SCHWANNOMA	RIGHT RSSO CRANIOTOMY AND EXCISION	4	2	10	17	NO
310	321331	517514	53	M	B+	8-5-2022 3:56 PM	12-08-2022 00:00:00	8-19-2022 4:00 PM	RIGHT CP ANGLE SCHWANNOMA WITH HCP	RIGHT RSSO CRANIOTOMY AND EXCISION	4	3	14	42	NO
311	321333	514511	53	M	O+	8-5-2022 5:36 PM	22-08-2022 00:00:00	8-29-2022 5:00 PM	RIGHT CP ANGLE SCHWANNOMA WITH HCP	RIGHT RSSO CRANIOTOMY AND EXCISION +/- EVD	4	2	24	24	NO
312	320002	515318	26	F	B+	6-27-2022 5:23 PM	05-07-2022 00:00:00	7-9-2022 4:00 PM	RIGHT CP ANGLE TUMOUR (? VESTIBULAR SCHWANNOMA)	RIGHT RSSO CRANIOTOMY AND EXCISION OF LESION	2	0	12	24	NO
313	320270	515262	55	F	O+	7-4-2022 5:02 PM	11-07-2022 00:00:00	7-19-2022 4:00 PM	RIGHT CP ANGLE TUMOUR ?SCHWANNOMA ? METASTASIS	RIGHT RSSO CRANIOTOMY AND EXCISION OF LESION	2	0	15	25	NO
314	312101	501559	30	M	A+	10-4-2021 4:33 PM	12-10-2021 00:00:00	10-18-2021 4:00 PM	LEFT CP ANGLE LESION ? SCHWANNOMA	RSSO CRANIOTOMY AND DECOMPRESSION	2	2	14	86	NO
315	313331	504388	58	F	B+	11-16-2021 5:23 PM	19-11-2021 00:00:00	11-25-2021 6:00 PM	RT VESTIBULAR SCHWANNOMA	RT RSSO CRANIOTOMY AND EXCISION	2	0	9	49	NO
316	313773	476844	31	M	O+	11-30-2021 4:54 PM	14-12-2021 00:00:00	12-21-2021 5:00 PM	CHIARI - I MALFORMATION WITH BASILAR INVAGINATION	FMD WITH C1-C2 DISTRACTION AND FUSION	2	2	21	66	NO
317	317957	510165	36	M	B+	4-27-2022 4:50 PM	04-05-2022 00:00:00	5-9-2022 4:00 PM	CHIARI I MALFORMATION WITH SYRINX	FORAMEEN MAGNUM DECOMPRESSION	0	0	12	21	NO
318	312226	501298	43	F	A+	10-7-2021 4:10 PM	13-10-2021 00:00:00	10-18-2021 4:00 PM	CHIARI MALFORMATION WITH SYRINX	FORAMEN MAGNUM DECOMPRESSION	0	0	11	6	NO
319	315141	505123	51	M	A+	1-17-2022 4:39 PM	21-01-2022 00:00:00	1-24-2022 4:00 PM	CHIARI MALFORMATION WITH SYRINX	FORAMEN MAGNUM DECOMPRESSION	0	0	7	54	NO

320	316337	508013	37	M	A+	3-7-2022 6:37 PM	10-03-2022 00:00:00	3-14-2022 5:00 PM	CHIARI MALFORMATION	FORAMEN MAGNUM DECOMPRESSION	0	0	7	23	NO
321	316416	503652	36	M	B+	3-9-2022 6:01 PM	16-03-2022 00:00:00	3-21-2022 4:00 PM	CHIARI 1 MALFORMATION	FORAMEN MAGNUM DECOMPRESSION	0	0	12	13	NO
322	317696	404282	34	F	AB+	4-19-2022 4:23 PM	21-04-2022 00:00:00	4-25-2022 5:00 PM	CHIARI MALFORMATION WITH CERVICAL SYRINX	FORAMEN MAGNUM DECOMPRESSION	0	0	6	14	NO
323	318024	508812	18	M	A+	4-29-2022 5:05 PM	06-05-2022 00:00:00	5-10-2022 5:00 PM	CHIARI MALFORMATION WITH C2 TO D11 SYRINGOHYDROMYELLA	FORAMEN MAGNUM DECOMPRESSION	0	0	11	67	NO
324	320407	508147	18	M	O+	7-7-2022 5:46 PM	18-07-2022 00:00:00	7-21-2022 7:00 PM	COMPLEX CVJ ANOMALY	FORAMEN MAGNUM DECOMPRESSION	0	0	14	4	NO
325	322342	516735	21	F	O+	9-12-2022 3:24 PM	14-09-2022 00:00:00	9-16-2022 4:00 PM	CHIARI MALFORMATION	FORAMEN MAGNUM DECOMPRESSION	0	0	4	4	NO
326	322430	517058	34	F	O+	9-14-2022 4:10 PM	16-09-2022 00:00:00	9-20-2022 4:00 PM	CHIARI MALFORMATION WITH C2-D10 SYRINGOHYDROMYELIA	FORAMEN MAGNUM DECOMPRESSION + LAX DUROPLASTY	0	0	6	64	NO
327	320825	506478	50	F	O+	7-19-2022 5:47 PM	22-07-2022 00:00:00	7-25-2022 5:00 PM	CHIARI 1 MALFORMATION	FORAMEN MAGNUM DECOMPRESSION AND LAX DUROPLASTY	0	0	6	5	NO
328	320988	510054	49	F	O+	7-25-2022 5:24 PM	01-08-2022 00:00:00	8-5-2022 5:00 PM	CHIARI MALFORMATION TYPE 1	FORAMNE MAGNUM DECOMPRESSION	0	0	11	27	NO
329	318164	509388	60	M	O+	5-4-2022 4:06 PM	11-05-2022 00:00:00	5-13-2022 5:00 PM	CERVICAL IVDP WITH COMPRESSIVE MYELOPATHY	ACDF	0	0	9	19	NO
330	315835	503873	47	F	B+	2-19-2022 5:42 PM	22-02-2022 00:00:00	2-25-2022 5:00 PM	CERVICAL COMPRESSIVE MYELOPATHY WITH C5-C6 IVDP	ACDF - C5-6 LEVEL +/- C6-7 DISCECTOMY	0	0	6	18	NO
331	320162	500920	60	F	A-	7-1-2022 5:06 PM	07-07-2022 00:00:00	7-11-2022 5:00 PM	CERVICAL COMPRESSIVE MYELOPATHY	ANTERIOR C5 CORPECTOMY AND FUSION	1	0	10	22	NO
332	320363	515464	45	M	O+	7-6-2022 4:34 PM	12-07-2022 00:00:00	7-15-2022 6:00 PM	C6-7 IVDP WITH OPLL	ANTERIOR CERVICAL C6 CORPECTOMY AND FUSION	0	0	9	15	NO
333	321341	518101	51	F	A+	8-5-2022 5:20 PM	10-08-2022 00:00:00	8-13-2022 4:00 PM	C5-6 IVDP WITH RADICULOPATHY	ANTERIOR CERVICAL DISCECTOMY AND FUSION	0	0	8	12	NO
334	320986	395674	57	M	A+	7-25-2022 6:02 PM	01-08-2022 00:00:00	8-5-2022 5:00 PM	C5-6, C6-7 IVDP	ANTERIOR CERVICAL DISCECTOMY AND FUSION (2 LEVEL)	0	0	11	21	NO
335	316009	507543	56	F	O+	2-24-2022 4:22 PM	04-03-2022 00:00:00	3-7-2022 5:00 PM	CERVICAL COMPRESSIVE MYELOPATHY	ANTERIOR CORPECTOMY AND FUSION	0	0	11	21	NO
336	319887	516314	72	F	A+	6-23-2022 4:36 PM	27-06-2022 00:00:00	7-1-2022 4:00 PM	C1-2 IDEM - MENINGIOMA	C1C2 LAMINECTOMY AND EXCISION	0	0	8	46	NO
337	318545	513398	19	F	B+	5-16-2022 4:47 PM	18-05-2022 00:00:00	5-23-2022 5:00 PM	C1-2 OSTEOLASTOMA WITH CORD COMPRESSION	C1-C2 LAMINECTOMY AND EXCISION	1	0	7	9	NO
338	312954	501130	40	M	AB+	11-3-2021 5:22 PM	08-11-2021 00:00:00	11-12-2021 3:00 PM	C2-3 OPLL	C2-3 LAMINECTOMY AND INSTRUMENTED FUSION	1	0	9	21	NO
339	316347	507913	46	F	B+	3-7-2022 9:32 PM	14-03-2022 00:00:00	3-21-2022 4:00 PM	C3C4 IDEM ? SCHWANNOMA	C3-4 LAMINECTOMY AND EXCISION	0	0	14	18	NO
340	316378	509986	37	M	O+	3-8-2022 4:01 PM	14-03-2022 00:00:00	3-17-2022 4:00 PM	C3-4, C4-5 IVDP WITH COMPRESSIVE MYELOPATHY	C4-5 ACDF	1	0	9	25	NO
341	319313	513334	52	F	O+	6-6-2022 5:46 PM	13-06-2022 00:00:00	6-16-2022 6:00 PM	C4-5 LEFT NEUROFIBROMA	C4-5 LAMINECTOMY AND EXCISION	0	0	10	10	NO
342	318070	512955	63	M	B+	4-30-2022 3:52 PM	09-05-2022 00:00:00	5-11-2022 4:00 PM	C4-C5 IVDP	C4-C5 ACDF	0	0	11	18	NO
343	320985	516884	39	M	O-	7-25-2022 6:07 PM	02-08-2022 00:00:00	8-6-2022 5:00 PM	CERVICAL COMPRESSIVE MYELOPATHY	C4-C5 ACDF	0	0	12	21	NO
344	316331	509999	44	F	A+	3-7-2022 5:50 PM	15-03-2022 00:00:00	3-17-2022 4:00 PM	C5-6 PIVD	C5-6 ACDF	0	0	10	17	NO
345	312709	503294	36	M	A+	10-26-2021 4:15 PM	28-10-2021 00:00:00	10-30-2021 5:00 PM	C6-C7 IVDP	C6-C7 ACDF	0	0	4	1	NO
346	321851	516202	64	M	O+	8-23-2022 4:32 PM	30-08-2022 00:00:00	9-2-2022 5:00 PM	CERVICAL COMPRESSIVE MYELOPATHY - C22-C3 OPLL WITH PVD	CERVICAL DECOMPRESSIVE LAMINECTOMY	1	0	10	46	NO
347	322061	519212	60	M	O+	8-29-2022 5:38 PM	06-09-2022 00:00:00	9-16-2022 6:00 PM	CERVICAL DEGENERATIVE DISC DISEASE	CERVICAL DECOMPRESSIVE LAMINECTOMY	0	0	18	166	NO
348	314831	503354	53	M	O+	1-5-2022 5:58 PM	14-01-2022 00:00:00	1-18-2022 8:30 PM	CERVICAL COMPRESSIVE MYELOPATHY	CERVICAL DECOMPRESSIVE LAMINECTOMY +LATERAL MASS FUSION	0	0	13	104	NO
349	317732	513051	39	M	A-	4-20-2022 4:45 PM	25-04-2022 00:00:00	5-4-2022 4:00 PM	CERVICAL INTRAMEDULLARY LESION ? EPENDYMOMA	CERVICAL LAMINECTOMY AND DECOMPRESSION	0	0	14	69	NO
350	313798	505377	51	M	A+	12-1-2021 3:41 PM	13-12-2021 00:00:00	12-20-2021 4:00 PM	CERVICAL INTRAMEDULLARY LESION WITH SYRINX	CERVICAL LAMINECTOMY AND DECOMPRESSION OF INTRAMEDULLARY LESION	1	0	19	16	NO
351	313377	504778	46	M	O+	11-17-2021 3:45 PM	23-11-2021 00:00:00	12-17-2021 6:00 PM	CERVICOMEDULLARY INTRAMEDULLARY LESION	CERVICAL LAMINECTOMY AND DECOMPRESSION OF LESION	1	0	30	139	NO
352	313147	501259	58	M	B+	11-9-2021 5:11 PM	23-11-2021 00:00:00	11-28-2021 5:50 AM	CERVICO DORSAL DISH	COMY AND INSTRUMENTED LATERAL MASS FUSION WITH DORSAL LAMINECTOMY A	3	1	19	61	NO
353	315504	505033	57	M	B+	2-8-2022 2:55 PM	10-02-2022 00:00:00	2-14-2022 2:50 PM	CERVICAL SPONDYLOTIC MYELOPATHY	CERVICAL LAMINECTOMY AND LATERAL MASS FUSION	1	0	6	95	NO
354	315575	506153	50	M	O+	2-10-2022 4:26 PM	15-02-2022 00:00:00	2-21-2022 7:00 PM	CERVICAL IVDP WITH COMPRESSIVE MYELOPATHY	CERVICAL LAMINECTOMY AND LATERAL MASS FUSION	0	0	11	22	NO
355	318554	512026	59	M	O+	5-16-2022 6:12 PM	24-05-2022 00:00:00	5-27-2022 5:00 PM	C3-C7 CERVICAL DEGENERATIVE DISC DISEASE	CERVICAL LAMINECTOMY AND LATERAL MASS FUSION	0	0	11	4	NO
356	320511	505764	66	M	A-	7-11-2022 7:16 PM	20-07-2022 00:00:00	7-22-2022 6:00 PM	CERVICAL SPONDYLOTIC MYELOPATHY	CERVICAL LAMINECTOMY AND LATERAL MASS FUSION	1	0	11	4	NO
357	321468	516136	57	M	A+	8-10-2022 3:46 PM	16-08-2022 00:00:00	9-13-2022 5:00 PM	CERVICAL SPONDYLOMYELOPATHY (OPLL)	CERVICAL LEMINECTOMY AND LATERAL MASS FUSION	0	0	34	65	NO
358	316559	511351	21	F	A+	3-14-2022 3:43 PM	21-03-2022 00:00:00	3-25-2022 7:00 PM	CERVICODORSAL INTRAMEDULLARY SOL WITH SYRINGOMYELIA	CERVICODORSAL LAMINECTOMY WITH DECOMPRESSION AND BIOPSY	2	2	11	50	NO
359	316676	511302	42	M	O+	3-16-2022 7:50 PM	22-03-2022 00:00:00	3-30-2022 4:00 PM	IDEM LESION AT D10-D11 S/O ? SCHWANNOMA	D10-D11 LAMINECTOMY WITH EXCISION OF LESION	1	0	14	29	NO
360	315359	320734	52	M	O+	2-1-2022 5:35 PM	03-02-2022 00:00:00	2-22-2022 7:00 PM	SPINAL CANAL STENOSIS AT L1-2 AND L2-3 LEVEL WITH DORSAL	D3-D4 AND D10-11 LAMINECTOMY AND D12-L3 INSTRUMENTED FUSION	2	1	21	20	NO
361	316743	510410	59	M	O+	3-18-2022 10:25 PM	31-03-2022 00:00:00	4-6-2022 4:00 PM	D10-D11 INTRAMEDULLARY LESION ? EPENDYMOMA	D9-11 LAMINECTOMY AND DECOMPRESSION / BIOPSY	2	2	19	90	NO
362	320265	506410	24	M	O+	7-4-2022 4:38 PM	14-07-2022 00:00:00	7-19-2022 4:00 PM	L4-5 IVDP WITH L4-5 LISTHESIS	DECOMPRESSION AND FUSION	1	0	15		NO
363	321871	514348	73	M	A-	8-23-2022 5:27 PM	01-09-2022 00:00:00	9-5-2022 5:00 PM	L4-5 LISTHESIS WITH L4 PARS LYSIS	DECOMPRESSION AND INSTRUMENTED FUSION	1	0	13	19	NO
364	313374	501297	40	F	AB+	11-17-2021 4:43 PM	22-11-2021 00:00:00	11-29-2021 4:00 PM	L3 METASTATIC LESION	DECOMPRESSIVE LAMINECTOMY AND INSTRUMENTED FUSION	3	2	12	31	NO
365	314147	505952	32	M	O+	12-13-2021 4:37 PM	16-12-2021 00:00:00	12-20-2021 4:00 PM	L4-L5 SPONDYLOLISTHESIS	DECOMPRESSIVE LAMINECTOMY AND INSTRUMENTED FUSION	1	0	7	20	NO
366	319068	259884	46	M	A+	5-31-2022 4:34 PM	07-06-2022 00:00:00	6-13-2022 5:00 PM	D10 HEMANGIOMA	DECOMPRESSIVE LAMINECTOMY AND INSTRUMENTED FUSION	1	0	13	20	NO
367	315040	502671	67	M	A+	1-12-2022 5:54 PM	17-01-2022 00:00:00	1-28-2022 5:00 PM	CERVICAL COMPRESSIVE MYELOPATHY	DECOMPRESSIVE LAMINECTOMY AND LATERAL MASS FUSION	0	0	16	8	NO
368	312453	502670	39	F	A+	10-18-2021 4:28 PM	22-10-2021 00:00:00	10-25-2021 4:00 PM	DORSAL OLF	DECOMPRESSIVE LAMINECTOMY AND OLF EXCISION	0	0	7	26	NO
369	319794	514783	61	F	A+	6-20-2022 5:54 PM	24-06-2022 00:00:00	6-30-2022 4:00 PM	MULTILEVEL LUMBAR SPONDYLOSIS WITH LISTHESIS	DECOMPRESSIVE LAMINECTOMY AND POPSTERIOR LATERAL FUSION	1	1	10	69	NO
370	320824	507475	18	F	O+	7-19-2022 5:48 PM	25-07-2022 00:00:00	8-3-2022 4:00 PM	RECURRENT LIPOMENINGOCOELE WITH TETHERED CORD	DETETHERING OF CORD	0	0	15	23	NO
371	317031	512573	54	F	O+	3-28-2022 2:46 PM	07-04-2022 00:00:00	4-20-2022 5:00 PM	RRENT D5 ATYPICAL HEMANGIOMA WITH EXTRADURAL COMPO	DORSAL D5 LAMINECTOMY + INSTRUMENTATION + VERTEBROPLASTY	3	1	23	230	NO
372	313099	499541	54	F	O+	11-8-2021 4:58 PM	11-11-2021 00:00:00	11-17-2021 4:00 PM	D9 IDEM LESION WITH CERVICAL DISC PROLAPSE	DORSAL D9 LAMINECTOMY AND EXCISION OF TUMOUR	0	0	9	19	NO
373	320366	517581	49	F	O+	7-6-2022 5:47 PM	08-07-2022 00:00:00	7-19-2022 3:00 PM	D7-8 SPINAL CORD CAVERNOMA	DORSAL LAMINECTOMY AND DECOMPRESSION	1	0	13	70	NO
374	313986	506010	54	F	A+	12-7-2021 8:37 PM	09-12-2021 00:00:00	12-22-2021 8:30 PM	D4-D5 INTRAMEDULLARY TUMOUR	DORSAL LAMINECTOMY AND DECOMPRESSION OF TUMOUR	2	2	15	22	NO
375	313830	506368	74	F	O+	12-2-2021 6:02 PM	08-12-2021 00:00:00	12-13-2021 6:00 PM	D6 IDEM LESION - MENINGIOMA	DORSAL LAMINECTOMY AND EXCISION	1	0	11	20	NO
376	321188	517704	62	F	A+	8-3-2022 4:41 PM	10-08-2022 00:00:00	8-17-2022 5:00 PM	D6 IDEM ? MENINGIOMA	DORSAL LAMINECTOMY AND EXCISION OF IDEM	0	0	14	16	NO
377	312828	505581	51	M	A+	10-30-2021 3:42 PM	05-11-2021 00:00:00	11-11-2021 5:00 PM	CAUDA EQUINA LESION ? SCHWANNOMA	L1-L5 LAMINECTOMY AND EXCISION	1	0	12	64	NO
378	318578	510160	32	F	A+	5-19-2022 3:01 PM	26-05-2022 00:00:00	5-30-2022 5:00 PM	L4 LEVEL IDEM	L3-4 LAMINECTOMY AND EXCISION	0	0	11	4	NO
379	314268	506837	19	F	A+	12-17-2021 4:58 PM	20-12-2021 00:00:00	12-21-2021 5:00 PM	LUMBAR IVDP	L3-L4, L4-L5 MICRODISCECTOMY	0	0	4	2	NO
380	312318	453770	40	M	A+	10-11-2021 5:27 PM	20-10-2021 00:00:00	10-22-2021 4:00 PM	LUMBAR PIVD L4-5	L4-5 DISCECTOMY	0	0	11	23	NO
381	312244	488563	29	M	O+	10-8-2021 3:17 PM	20-10-2021 00:00:00	10-25-2021 4:00 PM	L4-5 IVDP	L4-5 DISCECTOMY AND INSTRUMENTED FUSION	1	0	17	17	NO
382	320634	516192	37	M	B+	7-14-2022 3:22 PM	19-07-2022 00:00:00	7-25-2022 5:00 PM	L4-5, L5-S1 IVDP	L4-5 DISCECTOMY WITH INSTRUMENTATION AND FUSION	4	3	11	14	NO
383	313395	506151	38	M	A+	11-17-2021 9:18 PM	18-11-2021 00:00:00	11-19-2021 1:25 PM	L5 IVDP WITH CAUDA EQUINA LESION	L4-5 LAMINECTOMY AND EXCISION	1	0	2	22	NO
384	322431	519542	66	F	O+	9-14-2022 3:59 PM	16-09-2022 00:00:00	9-19-2022 5:00 PM	L4-5 IDEM	L4-5 LAMINECTOMY AND EXCISION	1	0	5	5	NO
385	313348	505107	24	M	AB+	11-16-2021 7:06 PM	25-11-2021 00:00:00	11-30-2021 4:00 PM	L4-5, L5-S1 IVDP, L4-5 GRADE 1 LISTHESIS	L4-5 LAMINECTOMY AND INSTRUMENTED FUSION	1	0	14	17	NO

386	316874	512364	47	M	O+	3-22-2022 5:48 PM	24-03-2022 00:00:00	3-28-2022 6:00 PM	L4-5 IVDP WITH CAUDA EQUINA SYNDROME	L4-5 MICRODISCECTOMY	0	0	6	61	NO
387	316938	510628	52	M	B+	3-24-2022 4:34 PM	28-03-2022 00:00:00	3-29-2022 3:25 PM	L4-5 PIVD WITH LUMBAR CANAL STENOSIS	L4-5 MICRODISCECTOMY	1	0	5	29	NO
388	319859	515120	41	M	O+	6-22-2022 6:34 PM	24-06-2022 00:00:00	6-25-2022 5:00 PM	L4-5 IVDP	L4-5 MICRODISCECTOMY	0	0	3	4	NO
389	321275	518243	21	F	O+	8-3-2022 4:43 PM	05-08-2022 00:00:00	8-6-2022 4:00 PM	L4-L5 IVDP	L4-5 MICRODISCECTOMY	0	0	3	8	NO
390	316721	399650	69	M	B NE	3-18-2022 4:31 PM	22-03-2022 00:00:00	3-30-2022 4:00 PM	L4-5 LISTHESIS	L4-5 TLIF	0	0	12	19	NO
391	319314	449537	66	M	B+	6-6-2022 5:16 PM	14-06-2022 00:00:00	6-16-2022 6:00 PM	L4-L5 LISTHESIS	L4-5 TLIF	0	0	10	38	NO
392	320042	513335	49	M	A+	6-28-2022 3:34 PM	04-07-2022 00:00:00	7-7-2022 4:00 PM	L4-5 IVDP WITH PARS LYSIS AND CANAL STENOSIS	L4-5 TLIF	1	0	9	15	NO
393	319657	512644	66	F	B+	6-16-2022 4:57 PM	21-06-2022 00:00:00	6-27-2022 4:00 PM	L4-5 LISTHESIS	L4-5 TRANSFORAMINAL LUMBAR INTERBODY FUSION WITH INSTRUMENTATION	1	0	11	21	NO
394	318163	505505	32	F	O+	5-4-2022 5:46 PM	10-05-2022 00:00:00	5-15-2022 4:00 PM	L5-S1 IVDP WITH SPONDYLOLISTHESIS	L5-S1 LAMINECTOMY AND INSTRUMENTED FUSION	1	0	11	19	NO
395	313438	505651	44	F	A-	11-19-2021 3:48 PM	24-11-2021 00:00:00	11-26-2021 5:00 PM	L5-S1 IVDP WITH D5-6 INTRAMEDULLARY LESION	L5-S1 MICRODISCECTOMY	1	0	7	6	NO
396	315538	510058	31	M	O+	2-9-2022 3:42 PM	11-02-2022 00:00:00	2-13-2022 12:50 PM	LUMBAR L5-S1 IVDP WITH RADICULOPATHY	L5-S1 MICRODISCECTOMY	0	0	4	48	NO
397	318108	500646	45	F	A+	5-2-2022 5:46 PM	06-05-2022 00:00:00	5-9-2022 4:00 PM	L5-S1 PIVD	L5-S1 MICRODISCECTOMY	0	0	7	14	NO
398	318166	513372	24	F	A+	5-4-2022 3:58 PM	06-05-2022 00:00:00	5-9-2022 4:25 PM	L5-S1 IVDP	L5-S1 MICRODISCECTOMY	0	0	5	69	NO
399	322254	520144	19	M	O+	9-9-2022 3:55 PM	13-09-2022 00:00:00	9-14-2022 3:00 PM	L5-S1 IVDP (LUMBARISED S1)	L5-S1 MICRODISCECTOMY	0	0	5		NO
400	322689	520598	37	F	O+	9-22-2022 4:30 PM	27-09-2022 00:00:00	9-30-2022 4:00 PM	RECURRENT L5-S1 IVDP WITH ? SUBCLINICAL DISCITIS	L5-S1 PLIF	1	0	8	1	NO
401	320349	508195	28	F	O+	7-6-2022 4:46 PM	08-07-2022 00:00:00	7-12-2022 5:00 PM	LUMBAR IVDP WITH GRADE I LISTHESIS	L5-S1 TLIF	1	0	6	62	NO
402	314745	506461	26	M	A+	1-3-2022 5:43 PM	04-01-2022 00:00:00	1-7-2022 5:00 PM	LUMBAR IVDP - L4-5, L5-S1 WITH RADICULOPATHY	LAMINECTOMY AND DECOMPRESSION	0	0	4	16	NO
403	314786	506529	27	M	O+	1-4-2022 4:19 PM	06-01-2022 00:00:00	1-7-2022 2:50 PM	L5-S1 IVDP WITH RADICULOPATHY	LAMINECTOMY AND DECOMPRESSION	0	0	3	21	NO
404	315337	199143	69	M	B+	1-31-2022 4:25 PM	01-02-2022 00:00:00	2-5-2022 4:00 PM	L5 SCHWANNOMA IN O/C/O D12-L1, L3-L4 SCHWANNOMA	LAMINECTOMY AND DECOMPRESSION	1	0	5	2	NO
405	321519	515831	51	F	A-	8-11-2022 4:04 PM	16-08-2022 00:00:00	8-24-2022 5:00 PM	IDEM D11 - L3 ? MYXOPAPILLARY EPENDYMOMA	LAMINECTOMY AND DECOMPRESSION	1	1	13	21	NO
406	321635	516311	39	M	O+	8-16-2022 4:30 PM	17-08-2022 00:00:00	8-22-2022 4:00 PM	L5-S1 CONUS CAUDA LESION ? BENIGN NERVE SHEATH TUMOUR	LAMINECTOMY AND DECOMPRESSION	0	0	6	45	NO
407	314516	249776	42	M	B+	12-27-2021 5:25 PM	28-12-2021 00:00:00	12-30-2021 4:30 PM	RECURRENT L4-L5 IVDP	LAMINECTOMY AND DISCECTOMY	0	0	3	24	NO
408	312326	504445	82	F	A+	10-11-2021 7:13 PM	13-10-2021 00:00:00	10-15-2021 5:00 PM	D12 IDEM	LAMINECTOMY AND EXCISION	1	0	4	25	NO
409	314564	504932	54	F	AB+	12-28-2021 3:30 PM	31-12-2021 00:00:00	1-13-2022 6:00 PM	D9 IDEM	LAMINECTOMY AND EXCISION	1	0	16	64	NO
410	317292	512730	21	M	O+	4-5-2022 4:30 PM	08-04-2022 00:00:00	4-19-2022 5:00 PM	C6-D1 IDEM ?MPNST WITH EXTRA SPINAL EXTENSION	LAMINECTOMY AND EXCISION	2	1	14	64	NO
411	320164	513601	75	F	O+	7-1-2022 4:07 PM	05-07-2022 00:00:00	7-7-2022 6:00 PM	D5 IDEM ? MENINGIOMA	LAMINECTOMY AND EXCISION	0	0	6	23	NO
412	320992	514993	58	F	B+	7-25-2022 5:56 PM	01-08-2022 00:00:00	8-5-2022 5:00 PM	IDEM L1-L2 (MYXOPAPILLARY EPENDYMOMA)	LAMINECTOMY AND EXCISION	0	0	11	24	NO
413	318328	301857	33	F	B+	5-9-2022 5:29 PM	13-05-2022 00:00:00	5-24-2022 5:00 PM	NF1 WITH NILTIPLE SPINAL IDEM	LAMINECTOMY AND EXCISION OF C1/C2 +- D12 NEUROFIBROMAS	1	1	15	96	NO
414	321185	512029	37	M	O+	8-1-2022 6:12 PM	08-08-2022 00:00:00	8-22-2022 6:00 PM	IDEM C3-6 WITH LUMBAR DISC PROLAPSE	LAMINECTOMY AND EXCISION OF IDEM	0	0	21	41	NO
415	314747	497130	62	M	A+	1-3-2022 6:00 PM	11-01-2022 00:00:00	1-15-2022 4:00 PM	L4-5 PIVD WITH L4-5 LISTHESIS	LAMINECTOMY AND INSTUMENTED FUSION	1	0	12	19	NO
416	321342	514623	43	M	A+	8-16-2022 4:19 PM	19-08-2022 00:00:00	8-23-2022 4:00 PM	L5-S1 CANAL STENOSIS LUMBAR SPONDYLOLYSIS	LAMINECTOMY AND POSTERIOR FUSION	0	0	7	69	NO
417	312671	499479	37	F	B+	10-25-2021 5:01 PM	02-11-2021 00:00:00	11-5-2021 4:00 PM	C6-7 LEFT SIDE NEUROFIBROMA AND C5-6 IVDP	LEFT ANTERIOR APPROACH AND EXCISION OF NEUROFIBROMA AND ACDF	1	0	11	28	NO
418	314784	284247	59	F	B+	1-4-2022 7:11 PM	12-01-2022 00:00:00	1-14-2022 5:30 PM	LEFT TEMPORAL GANGLIOGLIOMA	LEFT ANTERIOR TEMPORAL LOBECTOMY	1	0	10	18	NO
419	317655	504906	46	M	O+	4-18-2022 6:51 PM	21-04-2022 00:00:00	4-27-2022 4:00 PM	L5 SPONDYLOLYSIS WITH CANAL STENOSIS	LUMBAR DECOMPRESSION AND INSTRUMENTED FUSION	1	0	9	29	NO
420	317695	378412	77	M	B+	4-19-2022 4:32 PM	22-04-2022 00:00:00	4-27-2022 4:00 PM	L4-L5 LISTHESIS WITH CANAL STENOSIS	LUMBAR DECOMPRESSION AND INSTRUMENTED FUSION	1	0	8	67	NO
421	322125	519551	42	F	O+	9-1-2022 3:30 PM	05-09-2022 00:00:00	9-12-2022 5:00 PM	L5-S1 LISTHESIS	LUMBAR LAMINECTOMY AND INSTRUMENTED FUSION	1	1	11	87	NO
422	322475	381552	35	M	A+	9-15-2022 5:03 PM	23-09-2022 00:00:00	9-26-2022 5:00 PM	MULTILEVEL LUMBAR IVDP WITH LISTHESIS	LUMBAR LAMINECTOMY AND INSTRUMENTED FUSION	1	0	11	30	NO
423	314493	506839	24	M	NE	12-26-2021 2:14 PM	27-12-2021 00:00:00	12-29-2021 4:00 PM	L4-L5 IVDP	LUMBAR MICRODISCECTOMY	0	0	3	19	NO
424	317480	508569	39	M	A+	4-11-2022 3:58 PM	18-04-2022 00:00:00	4-19-2022 1:00 PM	L4-5 PIVD	MICRODISCECTOMY	0	0	8	24	NO
425	318815	507931	35	F	A+	5-23-2022 6:20 PM	26-05-2022 00:00:00	5-27-2022 5:00 PM	L4-5/L5-S1 IVDP	MICRODISCECTOMY	0	0	4	4	NO
426	318959	509601	41	M	AB+	5-27-2022 4:51 PM	02-06-2022 00:00:00	6-3-2022 4:00 PM	L4-L5 IVDP	MICRODISCECTOMY	0	0	7	2	NO
427	319335	514446	30	M	O+	6-8-2022 5:00 PM	10-06-2022 00:00:00	6-12-2022 3:00 PM	L5-S1 IVDP	MICRODISCECTOMY	0	0	4	44	NO
428	320857	517207	34	M	B+	7-20-2022 6:03 PM	22-07-2022 00:00:00	7-25-2022 5:00 PM	L4-5 IVDP	MICRODISCECTOMY	0	0	5	2	NO
429	322578	488595	33	F	O+	9-19-2022 4:30 PM	23-09-2022 00:00:00	9-26-2022 5:00 PM	L5-S1 IVDP	MICRODISCECTOMY	0	0	7		NO
430	321343	514346	38	M	O+	8-5-2022 6:11 PM	11-08-2022 00:00:00	8-14-2022 11:30 AM	CERVICAL COMPRESSIVE MYELOPATHY	MULTILEVEL ACDF	0	0	9	21	NO
431	315358	413599	18	F	AB+	2-1-2022 5:42 PM	07-02-2022 00:00:00	2-14-2022 4:00 PM	COMPLEX CVJ ANOMALY WITH MYELOPATHY	OCCIPITO CERVICAL FUSION WITH C1-C2 DISTRACTION	1	0	13	26	NO
432	315965	507179	53	M	O+	3-7-2022 5:46 PM	15-03-2022 00:00:00	3-18-2022 5:00 PM	CE-C7 CERVICAL COMPRESSIVE MYELOPATHY	MINI POSTERIOR APPROACH (CERVICAL DECOMPRESSIVE LAMINECTOMY + LATERAL MASS FUSION)	1	0	11	22	NO
433	312104	502098	63	M	O-	10-4-2021 4:45 PM	11-10-2021 00:00:00	10-20-2021 4:00 PM	CERVICAL SPONDYLOTIC MYELOPATHY	POSTERIOR LAMINECTOMY AND FUSION	1	0	16	21	NO
434	322337	518538	27	M	O+	9-13-2022 3:45 PM	16-09-2022 00:00:00	9-20-2022 5:00 PM	RESIDUAL / RECURRENT IDEM D9 TO D11	REEXPLORATION AND EXCISION	1	0	7	26	NO
435	316335	505585	43	F	B+	3-7-2022 6:04 PM	17-03-2022 00:00:00	3-22-2022 4:00 PM	RECURRENT RIGHT C1-C2 SCHWANNOMA	REEXPLORATION AND EXCISION OF LESION	1	0	15	60	NO
436	314384	505199	19	M	O+	12-21-2021 3:41 PM	27-12-2021 00:00:00	1-4-2022 4:00 PM	RECURRENT LUMBOSACRAL IDEM	REEXPLORATION AND EXCISION OF MULTILEVEL LUMBAR EPENDYMOMA	1	0	14	22	NO
437	314746	503433	59	F	A+	1-3-2022 6:00 PM	10-01-2022 00:00:00	1-15-2022 4:00 PM	IMPLANT MALPOSITION IN A OCO L4-S1 INSTRUMENTED FUSION	REEXPLORATION AND REVISION OF IMPLANT	0	0	12	45	NO
438	320990	293655	52	F	B+	7-25-2022 5:17 PM	29-07-2022 00:00:00	8-12-2022 6:00 PM	RECURRENT CAUDA EQUINA SCHWANNOMA	REEXPLORATION AND SURGICAL DECOMPRESSION	1	0	18	29	NO
439	312208	501619	38	M	O+	10-7-2021 3:05 PM	13-10-2021 00:00:00	10-15-2021 3:00 PM	C5-6 IVDP	SINGLE LEVEL ACDF	0	0	8	5	NO
440	316820	511348	34	F	NE	3-21-2022 5:32 PM	29-03-2022 00:00:00	4-1-2022 5:00 PM	ATYPICAL HEMANGIOMA C7 WITH EXTRADURAL COMP	DECOMPRESSION AND INSTRUMENTED FUSION AT C7 STAGE 2: ANTERIOR CORPECTOMY	3	3	11	24	NO
441	321910	232038	33	F	O+	8-24-2022 5:16 PM	29-08-2022 00:00:00	9-6-2022 4:00 PM	RECURRENT D8,9,10 MENINGIOMA	TRANSPEDICULAR APPROACH EXCISION AND INSTRUMENTATION	2	0	13	18	NO
442	316821	505969	46	M	B+	3-21-2022 5:34 PM	25-03-2022 00:00:00	4-1-2022 5:00 PM	LEFT PERISYLVIAN AVM	LEFT FRONTO TEMPORAL CRANIOTOMY AND EXCISION	2	2	11	133	NO
443	314790	508534	33	M	O+	1-4-2022 6:42 PM	06-01-2022 00:00:00	1-10-2022 4:00 PM	COLLOID CYST OF 3RD VENTRICLE	CRANIOTOMY AND EXCISION	0	0	6	23	NO
444	315956	507556	28	F	B+	2-22-2022 6:03 PM	03-03-2022 00:00:00	3-7-2022 5:00 PM	LEFT OCCIPITAL AVM, GRADE - SM II	LEFT PARIETO OCCIPITAL CRANIOTOMY AND EXCISION	0	0	13	20	NO
445	312587	374321	52	M	A+	10-22-2021 6:40 PM	27-10-2021 00:00:00	11-1-2021 4:00 PM	COLLOID CYST	CORONAL PARASAGGITAL CRANIOTOMY (INTERHEMISPHERIC APPROACH) AND EXCISION	0	0	10	37	NO
446	312715	505443	22	F	B+	10-26-2021 4:59 PM	27-10-2021 00:00:00	11-3-2021 4:00 PM	COLLOID CYST WITH HCP	CORONAL PARASAGGITAL CRANIOTOMY (INTERHEMISPHERIC APPROACH) AND EXCISION	0	0	8	93	NO
447	314953	493629	27	F	NE	1-10-2022 5:21 PM	18-01-2022 00:00:00	1-24-2022 4:00 PM	LEFT POSTERIOR TEMPORO PARIETAL AVM S/P DEC CRANIECTOMY	REEXPLORATION - AVM EXCISION AND BONE FLAP REPLACEMENT	2	1	14	45	NO
448	314983	508709	46	M	A+	1-11-2022 3:35 PM	13-01-2022 00:00:00	1-20-2022 5:00 PM	RIGHT PARIETO OCCIPITAL HGG WITH COLLOID CYST	RIGHT PARIETO OCCIPITAL CRANIOTOMY AND DECOMPRESSION	0	0	9	31	NO
449	316588	418329	25	M	B+	3-14-2022 6:00 PM	17-03-2022 00:00:00	3-21-2022 4:00 PM	COLLOID CYST	RIGHT PERICORONAL (INTERHEMISPHERIC APPROACH) CRANIOTOMY AND CYST EXCISION	0	0	7	29	NO
450	314051	9708752	63	F	O+	12-10-2021 2:16 PM	13-12-2021 00:00:00	12-15-2021 6:00 PM	RECURRENT COLLOID CYST	RIGHT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	0	0	5	23	NO
451	317117	506458	31	M	A+	3-30-2022 4:42 PM	08-04-2022 00:00:00	4-12-2022 3:30 PM	COLLOID CYST	RIGHT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	0	0	13	69	NO

452	317959	510926	20	M	A+	4-27-2022 4:22 PM	04-05-2022 00:00:00	5-9-2022 4:00 PM	COLLOID CYST 3RD VENTRICLE	RIGHT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	0	0	12	24	NO
453	318812	515062	52	F	O+	5-23-2022 5:34 PM	27-05-2022 00:00:00	5-30-2022 5:00 PM	3RD VENTRICULAR COLLOID CYST	RIGHT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	0	0	7	50	NO
454	320632	517321	47	F	B+	7-14-2022 5:22 PM	22-07-2022 00:00:00	7-25-2022 12:00 PM	COLLOID CYST	RIGHT PERICORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	0	0	11	69	NO
455	315741	510055	27	M	A+	2-16-2022 4:54 PM	25-02-2022 00:00:00	3-3-2022 4:00 PM	CSF LEAK WITH COLLOID CYST IN OCO PITUITARY ADENOMA	ONAL PARASAGGITAL CRANIOTOMY WITH EXCISION OF COLLOID CYST WITH ENDO	0	0	15	123	NO
456	319417	515789	21	F	B+	6-9-2022 3:28 PM	13-06-2022 00:00:00	6-16-2022 5:00 PM	COLLOID CYST	RIGHT PERIOCORONAL PARASAGGITAL CRANIOTOMY AND EXCISION	0	0	7	17	NO
457	320918	513996	31	M	O+	7-22-2022 5:18 PM	29-07-2022 00:00:00	8-2-2022 5:00 PM	SUDURAL HYGROMA WITH RAISED ICP	B/L BURRHOEL AND EVACUATION	0	0	11		NO
458	315953	510850	39	F	A+	2-22-2022 4:43 PM	24-02-2022 00:00:00	2-25-2022 4:00 PM	B/L ACUTE ON CHRONIC FRONTO PARIETAL SDH (L>R)	BURR HOLE AND EVACUATION	0	0	3	9	NO
459	317883	510055	27	M	A+	4-25-2022 5:59 PM	26-04-2022 00:00:00	4-30-2022 2:00 PM	RIGHT SUBDURAL HYGROMA IN OCO COLLOID CYST	BURR HOLE AND EVACUATION	0	0	5	46	NO
460	320137	479089	43	F	O+	6-30-2022 3:35 PM	01-07-2022 00:00:00	7-5-2022 5:00 PM	LEFT FTPO CHRONIC SDH	BURR HOLE AND EVACUATION	0	0	5	72	NO
461	322056	519951	54	M	B+	8-29-2022 5:01 PM	01-09-2022 00:00:00	9-4-2022 4:00 PM	B/L SDH WITH RENAL TB	BURR HOLE AND EVACUATION	0	0	6	16	NO
462	322239	449758	64	M	O-	9-6-2022 4:57 PM	09-09-2022 00:00:00	9-14-2022 3:10 PM	RIGHT FRONTO PARIETAL EDH	CRANIOTOMY AND EVACUATION	1	1	8	79	NO
463	314646	508668	50	F	B+	12-30-2021 6:18 PM	14-01-2022 00:00:00	1-17-2022 10:45 PM	LEFT PARIETAL EDH IN OCO LEFT PARIETO OCCIPITAL CVT	EDH EVACUATION	0	0	18	423	NO
464	320679	308290	36	M	AB+	7-16-2022 1:56 PM	20-07-2022 00:00:00	7-22-2022 7:00 PM	LEFT FRONTOPARIETAL CHRONIC SDH	LEFT FRONTOPARIETAL BURRHOLE AND EVACUATION	0	0	6	41	NO
465	317123	512366	32	M	O+	3-30-2022 6:13 PM	06-04-2022 00:00:00	5-31-2022 9:30 PM	RIGHT CEREBELLAR LESION WITH HEMATOMA	RE-EXPLORATION AND EVACUATION OF HEMATOMA	2	1	62	1190	YES
466	313320	506013	46	M	O+	11-16-2021 11:29 AM	12-3-2021 00:00:00	12-3-2021 6:00 PM	CNS VASCULITIS	RT TEMPORAL BURR HOLE AND BIOPSY	0	0	17	44	NO
467	312013	500914	29	M	AB-	10-1-2021 4:48 PM	08-11-2021 00:00:00	11-17-2021 4:00 PM	OCO CENTRAL NEUROCYTOMA WITH HCP	B/L VP SHUNT REPLACEMENT	0	0	47	117	NO
468	321671	519061	41	F	A+	8-17-2022 4:37 PM	24-08-2022 00:00:00	9-1-2022 4:00 PM	TECTAL GLIOMA WITH HCP	ENDOSCOPIC 3RD VENTRICULOSTOMY	1	1	15	7	NO
469	316424	470832	51	M	B+	3-9-2022 5:47 PM	16-03-2022 00:00:00	3-21-2022 4:00 PM	IIH IN OCO RIGHT CP ANGLE NEURO ENTERIC CYST- S/P TP SHUNT	ENDOSCOPIC OPTIC NERVE FENESTRATION WITH TP SHUNT REVISION	0	0	12	27	NO
470	316999	487813	60	F	O+	3-26-2022 3:01 PM	29-03-2022 00:00:00	4-6-2022 4:00 PM	RECURRENT CRANIOPHARYNGIOMA WITH HYDROCEPHALUS	ENDOSCOPIC SEPTOSTOMY AND LEFT VP SHUNT	0	0	11	233	NO
471	317266	510437	72	M	B NEG	4-4-2022 5:03 PM	11-04-2022 00:00:00	4-17-2022 4:00 PM	RASELLAR LESION - ? CRANIOPHARYNGIOMA / RATHKES CLEFT C	ENDOSCOPIC SEPTOSTOMY AND RIGHT SIDED MEDIUM PRESSURE VP SHUNT	0	0	13	6	NO
472	315740	510284	29	F	O+	2-16-2022 5:45 PM	21-02-2022 00:00:00	2-28-2022 5:30 PM	LEFT THALAMIC LESION ? GLIOMA WITH HYDROCEPHALUS	ENDOSCOPIC SEPTOSTOMY, BIOPSY + VP SHUNT	0	0	12	5	NO
473	318194	513009	56	F	O+	5-5-2022 4:37 PM	10-05-2022 00:00:00	5-16-2022 5:00 PM	TRIVENTRICULAR HCP WITH 3RD VENTRICULAR LESION	ETV	0	0	11	24	NO
474	312279	504563	54	F	O+	10-10-2021 1:35 PM	25-11-2021 00:00:00	12-2-2021 6:00 PM	HCP IN OCO RT MCA BIFURCATION ANEURYSM	LEFT SIDE MP VP SHUNT	0	0	53	594	NO
475	312757	9607049	40	F	O+	10-27-2021 6:51 PM	02-11-2021 00:00:00	11-16-2021 4:00 PM	AQUEDUCTAL STENOSIS WITH HYDROCEPHALUS	LEFT SIDE VP SHUNT WITH ETV AND SEPTOSTOMY	0	0	20	19	NO
476	320982	9702619	69	M	A+	7-25-2022 5:43 PM	29-07-2022 00:00:00	8-4-2022 5:00 PM	NORMAL PRESSURE HCP IN OCO RT FRONTAL GLIOMA	LEFT VP SHUNT	0	0	10	5	NO
477	312116	489949	29	M	A+	10-5-2021	21-10-2021 00:00:00	10-26-2021 3:00 PM	OCO CEREBELLAR AVM WITH SHUNT MALFUNCTION	MP CHABRA VP SHUNT PLACEMENT	0	0	22	4	NO
478	311371	503232	47	F	O+	9-11-2021 1:32 PM	04-10-2021 00:00:00	10-10-2021 5:00 PM	HCP IN OCO ANEURYSMAL SAH S/P CLIPPING AND DC	PROGRAMMABLE VP SHUNT	0	0	29	268	NO
479	315759	492633	71	M	A+	2-19-2022 4:04 PM	24-02-2022 00:00:00	3-2-2022 5:00 PM	NORMAL PRESSURE HYDROCEPHALUS	PROGRAMMABLE VP SHUNT	0	0	11	20	NO
480	321695	519552	55	F	O+	8-18-2022 4:49 PM	05-09-2022 00:00:00	9-7-2022 4:00 PM	NORMAL PRESSURE HCP	PROGRAMMABLE VP SHUNT	0	0	20	25	NO
481	314150	216183	37	F	O+	12-13-2021 4:39 PM	15-12-2021 00:00:00	12-17-2021 4:00 PM	HUNT MALFUNCTION + ABDO PSEUDOCYST IN OCO TP SHUNT - II	RE-EXPLORATION + REVISION OF THECO PERITONEAL SHUNT	0	0	4	5	NO
482	316315	263465	32	F	B+	3-7-2022 2:18 PM	10-03-2022 00:00:00	3-15-2022 5:30 PM	IIH WITH TP SHUNT MALFUNCTION	REVISION OF TP SHUNT	0	0	8	25	NO
483	320227	420890	40	F	O-	7-3-2022 2:59 PM	04-07-2022 00:00:00	7-6-2022 5:00 PM	IIH S/P TP SHUNT REVISION	REVISION OF TP SHUNT	0	0	3	2	NO
484	313128	505369	43	M	O+	11-9-2021 4:23 PM	22-11-2021 00:00:00	11-26-2021 6:00 PM	RECURRENT INVASIVE PITUITARY ADENOMA WITH HCP	RIGHT FRAZIER POINT VP MP SHUNT AND MESH CRANIOPLASTY	0	0	17	91	NO
485	320307	337524	47	F	O+	7-5-2022 4:22 PM	23-08-2022 00:00:00	9-18-2022 12:30 PM	P IN OCO RECURRENT PINEAL PARENCHYMAAL TUMOUR WHO 2 C	RIGHT MP VP AHUNT	0	0	75	461	NO
486	316750	9504840	61	F	AB+	3-19-2022 1:25 PM	12-04-2022 00:00:00	5-13-2022 4:00 PM	HYDROCEPHALUS IN OCO ACOM ANEURYSM	RIGHT MP VP SHUNT	0	0	55	460	NO
487	314575	504490	57	M	A+	12-28-2021 4:03 PM	04-01-2022 00:00:00	1-10-2022 6:00 PM	LEFT CP ANGLE LESION WITH HCP	RIGHT PROGRAMMABLE VP SHUNT	0	0	13	0	NO
488	316010	454057	58	F	AB+	2-24-2022 4:33 PM	28-02-2022 00:00:00	3-4-2022 5:00 PM	LEFT VESTIBULAR SCHWANNOMA WITH HYDROCEPHALUS	RIGHT SIDED PROGRAMMABLE VP SHUNT	0	0	8	43	NO
489	317747	464041	28	F	A+	4-20-2022 5:38 PM	06-05-2022 00:00:00	5-10-2022 5:00 PM	CSF LEAK IN OCO RECURRENT CP ANGLE SCHWANNOMA	RIGHT SIDED VP SHUNT	0	0	20	135	NO
490	312717	505465	57	F	A+	10-26-2021 5:23 PM	07-03-2022 00:00:00	3-29-2022 2:00 PM	YDROCEPHALUS IN OCO LEFT MCA AND ACOM ARTERY ANEURYS	RIGHT VP SHUNT	0	0	154	3220	NO
491	312997	501736	40	M	A+	11-5-2021 3:22 PM	10-11-2021 00:00:00	11-24-2021 4:00 PM	HYDROCEPHALUS IN OCO B/L CP ANGLE LESION	RIGHT VP SHUNT MEDIUM PRESSURE CHHBRA SHUNT	0	0	19	34	NO
492	313106	276374	18	F	O+	11-8-2021 5:01 PM	04-12-2021 00:00:00	2-14-2022 12:50 PM	HCP IN CNS TUBERCULOSIS	RT FRAZIERS POINT MEDIUM PRESUURE CHHBRA VP SHUNT	0	0	98	1979	NO
493	311669	423546	45	M	B+	9-21-2021 12:14 PM	09-11-2021 00:00:00	11-23-2021 4:00 PM	RECURRENT LEFT FRONTAL OLIGODENDROGLIOMA WITH HCP	RT SIDE MP VP SHUNT	0	0	63	641	NO
494	313104	505037	70	F	A+	11-8-2021 5:46 PM	10-11-2021 00:00:00	11-16-2021 4:00 PM	LEFT CP ANGLE LESION WITH HCP	RT SIDE PROGRAMMABLE VP SHUNT	0	0	8	6	NO
495	313152	501888	68	M	B+	11-9-2021 7:22 PM	18-11-2021 00:00:00	11-29-2021	LEFT V4 VA ANEURYSM WITH HCP	RT SIDE VP SHUNT	0	0	19	455	NO
496	313030	502579	60	M	O+	11-6-2021 3:34 PM	12-11-2021 00:00:00	11-18-2021 4:00 PM	SUBDURAL HYGROMA IN AN OCO RIGHT BASIFRONTAL CAVERN	SUBDURAL PERITONEAL SHUNT	0	0	12	67	NO
497	315614	470832	51	M	B+	2-12-2022 4:38 PM	14-02-2022 00:00:00	2-17-2022 3:00 PM	IIH IN OCO RIGHT CP ANGLE CYSTIC LESION	TP SHUNT	0	0	5	63	NO
498	311423	9907660	33	F	B+	9-13-2021 4:31 PM	04-10-2021 00:00:00	10-4-2021 5:00 PM	CSF LEAK IN OCO SCF RHINORRHEA REPAIR	VP SHUNT	0	0	21	20	NO
499	312957	504578	41	M	B+	11-3-2021 5:22 PM	05-11-2021 00:00:00	11-8-2021 4:00 PM	HCP IN KCO RT VERTEBRAL ART ANEURYSM WITH SAH	VP SHUNT	0	0	5	1	NO
500	312998	456758	35	M	O+	11-6-2021 3:23 PM	10-11-2021 00:00:00	11-17-2021 4:00 PM	HYDROCEPHALUS IN OCO CHOROID PLEXUS PAPILLOMA	VP SHUNT	0	0	11	47	NO
501	314865	377188	34	F	O+	1-7-2022	07-02-2022 00:00:00	2-16-2022 8:00 PM	HYDROCEPHALUS IN OCO RECURRENT CALLOSAL GLIOMA	VP SHUNT	0	0	41	732	NO
502	315897	508293	58	M	A+	2-21-2022 6:46 PM	25-02-2022 00:00:00	3-8-2022 6:35 PM	RECURRENT CLIVAL CHORDOMA WITH HYDROCEPHALUS	VP SHUNT	0	0	15	250	NO
503	313781	507121	61	F	B+	11-30-2021 10:39 PM	09-02-2022 00:00:00	2-27-2022 12:30 PM	HCP IN OCO RIGHT PICA ANEURYSM S/P DECOMP CRANIECTOMY	VP SHUNT AND BONE FLAP REPLACEMENT	0	0	89	1612	NO
504	316935	437714	61	M	B+	3-24-2022 4:04 PM	28-03-2022 00:00:00	3-30-2022 3:00 PM	RECURRENT TENTORIAL MENINGIOMA	BIOPSY OF SCALP SWELLING	0	0	6	95	NO
505	314040	505652	38	M	A+	12-9-2021 4:20 PM	16-12-2021 00:00:00	12-18-2021 5:00 PM	RIGHT MECKLES CAVE LESION - ? GRANULOMATOUS	ENDOSCOPIC TRANSNASAL BIOPSY	0	0	9		NO
506	318409	514276	18	M	O-	5-11-2022 4:42 PM	13-05-2022 00:00:00	5-16-2022 5:10 PM	TRIVENTRICULAR HCP WITH AQUEDUCTAL STENOSIS	ETV AND BIOPSY	0	0	5	70	NO
507	312475	501148	56	F	O+	10-18-2021 5:39 PM	22-10-2021 00:00:00	10-26-2021 3:00 PM	PRIMARY CNS LYMPHOMA	FRAME BASED CT GUIDED BIOPSY	0	0	8	71	NO
508	316529	511914	32	M	A+	3-13-2022 9:15 AM	22-03-2022 00:00:00	4-2-2022 1:45 PM	DIFFUSE CORPUS CALLOSAL LESION ?LYMPHOMA	FRAME BASED LEFT FRONTAL BURRHOLE AND BIOPSY	0	0	20	273	NO
509	318293	514162	56	M	O+	5-9-2022 2:31 PM	27-05-2022 00:00:00	6-9-2022 6:00 PM	CEREBRAL AMYLOID ANGIOPATHY	LEFT FRONTAL BURR HOLE AND BIOPSY	0	0	31	50	NO
510	320774	513246	42	M	A+	7-18-2022 5:11 PM	27-07-2022 00:00:00	8-27-2022 12:00 PM	NF1 WITH LEFT THALAMIC LESION WITH HCP	ONTAL BURRHOLE AND NEURONAVIGATION GUIDED BIOPSY WITH VP-MP CHABBRA	0	0	40	141	NO
511	317854	512689	68	M	B+	4-24-2022 4:08 PM	27-04-2022 00:00:00	5-4-2022 4:00 PM	LEFT CP ANGLE LESION WITH SYSTEMIC METS	LEFT RSSO CRANIOTOMY AND BIOPSY	0	0	10	48	NO
512	321955	519948	53	M	A+	8-25-2022 6:02 PM	15-09-2022 00:00:00	9-23-2022 7:00 PM	CHRONIC MENINGITIS	MENINGOCORTICAL BIOPSY	0	0	29	666	NO
513	315524	479451	52	M	O+	2-9-2022 11:01 AM	21-02-2022 00:00:00	2-23-2022 8:40 PM	NEUROMUSCULAR DISORDER ? MYASTHENIA GRAVIS	MUSCLE BIOPSY	0	0	14	20	NO
514	314956	508171	51	M	O+	1-10-2022 3:51 PM	11-01-2022 00:00:00	1-14-2022 5:30 PM	LEFT TEMPORAL MULTIFOCAL GLIOMA	NEURONAVIGATION BASED BURR HOLE AND BIOPSY	0	0	4	9	NO
515	322514	520102	25	F	A+	9-17-2022 11:15 AM	26-09-2022 00:00:00	9-30-2022 3:00 PM	RT FRONTAL CENTRUM SEMIOVALE LESION	NEURONAVIGATION BASED BURR HOLE AND BIOPSY	0	0	13	25	NO
516	320607	517854	52	F	A+	7-13-2022 4:13 PM	21-07-2022 00:00:00	8-1-2022 8:40 PM	MULTIPLE LEPTOMENINGEAL AND DURAL DEPOSITS	OPEN BIOPSY	0	0	19	36	NO
517	319073	514514	42	M	O+	5-31-2022 4:09 PM	02-06-2022 00:00:00	6-3-2022 5:15 PM	PRIMARY CNS LYMPHOMA OF B/L THALAMI	STEREOTACTIC BIOPSY OF THALAMIC LESION	0	0	3	20	NO

518	311918	503010	49	M	O+	9-28-2021 4:13 PM	04-10-2021 00:00:00	10-7-2021 5:00 PM	LEFT THALAMOCAPSULAR LESION ? GLIOMA	STEREOTACTIC BIOPSY	0	0	9	5	NO
519	318552	513865	69	M	A-	5-16-2022 4:43 PM	19-05-2022 00:00:00	5-21-2022 5:00 PM	LEFT GANGLIOTHALAMOCAPSULAR SOL	STEREOTACTIC FRAME BASED BIOPSY	0	0	5	18	NO
520	318547	510284	29	F	O+	5-16-2022 6:40 PM	20-05-2022 00:00:00	5-21-2022 5:30 PM	LEFT THALAMIC GLIOMA	STEREOTACTIC FRAME BASED BIOPSY	0	0	5	1	NO
521	319534	514384	47	M	A+	6-13-2022 5:41 PM	17-06-2022 00:00:00	6-22-2022 4:00 PM	RIGHT THALAMIC LESION / HGG	STEREOTACTIC FRAME BASED BIOPSY	0	0	9	73	NO
522	322069	520115	20	M	A+	8-29-2022 10:02 PM	06-09-2022 00:00:00	9-9-2022 4:00 PM	LEFT CAUDATE REGION ICSOL ? CNS LYMPHOMA	STEREOTACTIC FRAME BASED BIOPSY	0	0	11	199	NO
523	322335	520385	20	M	O+	9-12-2022 5:29 PM	19-09-2022 00:00:00	9-20-2022 5:00 PM	RIGHT PERIVENTRICULAR LESION AT ATRIUM	STEREOTACTIC FRAME BASED BIOPSY	0	0	8	5	NO
524	315236	509071	60	M	O+	1-24-2022 5:03 PM	31-01-2022 00:00:00	2-4-2022 4:00 PM	OCO PITUITARY ADENOMA WITH RESIDUAL TUMOUR	ENDOSCOPIC REEXPLORATORY TNTS AND DECOMPRESSION	1	0	11	29	NO
525	316190	502410	36	M	O+	3-3-2022 4:06 PM	09-03-2022 00:00:00	3-14-2022 5:00 PM	LAR / SUPRASELLAR LESION - GH SECRETING PITUITARY ADENO	ENDOSCOPIC TNTS DECOMPRESSION	0	0	11	16	NO
526	316188	507837	42	M	A+	3-3-2022 5:37 PM	09-03-2022 00:00:00	3-11-2022 4:00 PM	SELLAR / SUPRASELLAR LESION - PROLACTINOMA	ENDOSCOPIC TNTS DECOMPRESSION	0	0	8	28	NO
527	311877	503851	29	M	O+	9-27-2021 5:27 PM	05-10-2021 00:00:00	10-11-2021 5:00 PM	PITUITARY ADENOMA WITH APOPLEXY	ENDOSCOPIC TNTS EXCISION	1	0	14	18	NO
528	312210	493865	61	F	B+	10-7-2021 3:33 PM	13-10-2021 00:00:00	10-15-2021 4:30 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	8	3	NO
529	312521	503362	70	M	B+	10-20-2021 3:56 PM	26-10-2021 00:00:00	10-29-2021 12:30 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	2	1	9	14	NO
530	312593	504111	49	F	O+	10-22-2021 3:57 PM	28-10-2021 00:00:00	11-1-2021 4:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	10	9	NO
531	312675	501963	42	M	O+	10-25-2021 5:04 PM	01-11-2021 00:00:00	11-8-2021 4:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	14	24	NO
532	313263	503649	42	M	A+	11-15-2021 11:09 AM	17-11-2021 00:00:00	11-24-2021 6:00 PM	INVASIVE PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	9	9	NO
533	313262	503119	58	M	A+	11-15-2021 11:22 AM	16-11-2021 00:00:00	11-22-2021 5:30 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	7	21	NO
534	312672	497691	35	F	AB+	11-16-2021 5:20 PM	24-11-2021 00:00:00	11-30-2021 4:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	14	19	NO
535	313379	9509634	56	M	O+	11-18-2021 1:45 PM	29-11-2021 00:00:00	12-6-2021 5:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	18	21	NO
536	313459	506174	60	M	O+	11-19-2021 5:29 PM	24-11-2021 00:00:00	11-27-2021 3:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	2	2	8	24	NO
537	314636	437283	54	F	A+	12-30-2021 5:18 PM	10-01-2022 00:00:00	1-17-2022 5:00 PM	FUNCTIONING PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	18	97	NO
538	315246	504022	58	F	O+	1-25-2022 3:40 PM	31-01-2022 00:00:00	2-2-2022 4:30 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	8	8	NO
539	315338	448575	53	M	O+	1-31-2022 4:28 PM	03-02-2022 00:00:00	2-7-2022 4:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	7	18	NO
540	315344	509776	58	F	A+	1-31-2022 5:21 PM	11-02-2022 00:00:00	2-15-2022 4:00 PM	INVASIVE PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	15	68	NO
541	315537	507833	48	M	O+	2-9-2022 4:22 PM	14-02-2022 00:00:00	2-21-2022 4:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	12	114	NO
542	315674	350745	39	M	O+	2-14-2022 5:53 PM	18-02-2022 00:00:00	2-21-2022 2:45 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	7	65	NO
543	315712	508842	68	F	O+	2-15-2022 5:32 PM	18-02-2022 00:00:00	2-23-2022 7:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	8	95	NO
544	315955	469544	50	F	B+	2-22-2022 5:34 PM	28-02-2022 00:00:00	3-3-2022 5:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	9	48	NO
545	316189	316844	56	M	O+	3-3-2022 5:02 PM	10-03-2022 00:00:00	3-17-2022 4:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	14	92	NO
546	316211	380584	55	F	B+	3-3-2022 6:09 PM	14-03-2022 00:00:00	3-19-2022 3:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	16	17	NO
547	316936	446198	24	F	B+	3-24-2022 4:30 PM	31-03-2022 00:00:00	4-8-2022 5:00 PM	PITUITARY APOPLEXY	ENDOSCOPIC TNTS EXCISION	0	0	15	96	NO
548	317267	510408	47	M	O+	4-4-2022 5:16 PM	11-04-2022 00:00:00	4-20-2022 5:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	16	29	NO
549	317658	508723	34	M	O+	4-18-2022 6:30 PM	25-04-2022 00:00:00	4-27-2022 4:00 PM	PITUITARY MACROADENOMA WITH ACROMEGALY	ENDOSCOPIC TNTS EXCISION	1	0	9	22	NO
550	317656	461704	34	F	B+	4-18-2022 6:38 PM	20-04-2022 00:00:00	4-25-2022 4:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	2	1	7	20	NO
551	318109	508634	38	F	B+	5-2-2022 4:09 PM	11-05-2022 00:00:00	6-7-2022 5:00 PM	GH SECRETING PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	36	421	NO
552	318106	508644	51	M	O+	5-2-2022 4:15 PM	09-05-2022 00:00:00	5-16-2022 4:30 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	1	14	20	NO
553	318167	506685	53	F	O+	5-4-2022 4:55 PM	16-05-2022 00:00:00	5-23-2022 5:00 PM	PITUITARY ADENOMA (RECURRENT)	ENDOSCOPIC TNTS EXCISION	1	0	19	19	NO
554	318176	512451	62	M	O+	5-4-2022 4:58 PM	12-05-2022 00:00:00	5-19-2022 5:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	15	107	NO
555	318165	421732	57	F	O+	5-4-2022 6:14 PM	10-05-2022 00:00:00	5-13-2022 5:15 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	9	22	NO
556	318261	511421	33	M	AB+	5-7-2022 4:59 PM	17-05-2022 00:00:00	5-20-2022 6:20 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	13	20	NO
557	318330	353789	62	F	O+	5-9-2022 8:52 PM	25-05-2022 00:00:00	5-31-2022 5:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	22	112	NO
558	318487	475114	71	M	O+	5-13-2022 8:52 PM	16-05-2022 00:00:00	6-6-2022 8:00 AM	PITUITARY ADENOMA ? APOPLEXY	ENDOSCOPIC TNTS EXCISION	2	2	23	529	YES
559	318831	434546	60	M	A+	5-24-2022 3:31 PM	31-05-2022 00:00:00	6-2-2022 8:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	9	21	NO
560	319049	513740	34	F	B+	5-30-2022 6:27 PM	03-06-2022 00:00:00	6-8-2022 5:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	9	91	NO
561	319050	194845	51	M	O+	5-30-2022 6:58 PM	06-06-2022 00:00:00	6-8-2022 4:00 PM	RECURRENT GH SECRETING PITUITARY TUMOUR	ENDOSCOPIC TNTS EXCISION	0	0	9	19	NO
562	319196	512646	45	F	B+	6-3-2022 4:32 PM	10-06-2022 00:00:00	6-13-2022 6:30 PM	PITUITARY MACROADENOMA - NON FUNCTIONING	ENDOSCOPIC TNTS EXCISION	1	1	10	74	NO
563	319311	321279	48	F	A+	6-6-2022 6:41 PM	13-06-2022 00:00:00	6-15-2022 5:00 PM	PROLACTINOMA	ENDOSCOPIC TNTS EXCISION	0	0	9	41	NO
564	319424	511074	52	F	B+	6-9-2022 3:40 PM	17-06-2022 00:00:00	6-21-2022 4:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	2	0	12	71	NO
565	319653	375453	58	F	A+	6-16-2022 5:34 PM	23-06-2022 00:00:00	6-27-2022 4:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	11	31	NO
566	319827	514615	35	M	O+	6-21-2022 4:58 PM	28-06-2022 00:00:00	6-30-2022 4:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	9	22	NO
567	320772	514613	43	F	B-	7-18-2022 5:08 PM	26-07-2022 00:00:00	8-1-2022 4:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	14	17	NO
568	320983	513672	51	M	O+	7-25-2022 6:12 PM	02-08-2022 00:00:00	8-4-2022 4:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	10	23	NO
569	321413	518800	47	F	B+	8-8-2022 5:10 PM	11-08-2022 00:00:00	8-16-2022 2:55 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	8	52	NO
570	321471	519084	31	F	B+	8-10-2022 4:51 PM	22-08-2022 00:00:00	8-25-2022 4:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	15	21	NO
571	321641	410162	47	M	O+	8-16-2022 6:30 PM	23-08-2022 00:00:00	8-29-2022 5:30 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	13	42	NO
572	321640	474869	27	F	B+	8-16-2022 6:59 PM	23-08-2022 00:00:00	8-26-2022 5:00 PM	ECURRENT PITUITARY MICROADENOMA WITH CUSHINGS DISEAS	ENDOSCOPIC TNTS EXCISION	1	0	10	22	NO
573	321824	515489	40	M	A+	8-22-2022 5:22 PM	26-08-2022 00:00:00	9-7-2022 5:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	16	78	NO
574	321911	391310	47	F	O+	8-24-2022 4:52 PM	30-08-2022 00:00:00	9-2-2022 5:00 PM	RECURRENT PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	9	51	NO
575	322062	517188	69	M	A+	8-29-2022 6:03 PM	06-09-2022 00:00:00	9-9-2022 4:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	11	24	NO
576	322162	403134	44	F	B+	9-2-2022 5:54 PM	07-09-2022 00:00:00	9-12-2022 5:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	1	0	10	50	NO
577	322579	516960	27	F	B+	9-19-2022 4:09 PM	26-09-2022 00:00:00	9-29-2022 3:00 PM	PITUITARY ADENOMA - CUSHINGS DISEASE	ENDOSCOPIC TNTS EXCISION	1	0	10	28	NO
578	322575	519147	68	M	A+	9-19-2022 4:22 PM	29-09-2022 00:00:00	10-3-2022 3:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	1	1	14	19	NO
579	322576	471601	44	M	AB+	9-19-2022 6:17 PM	26-09-2022 00:00:00	9-28-2022 5:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	9	18	NO
580	321027	517893	22	F	O+	7-26-2022 3:34 PM	01-08-2022 00:00:00	8-5-2022 5:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION	0	0	10	72	NO
581	314522	505739	58	F	O+	12-27-2021 5:03 PM	31-12-2021 00:00:00	1-5-2022 4:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION OF LESION	0	0	9	97	NO
582	314039	493217	63	M	O+	12-9-2021 5:06 PM	15-12-2021 00:00:00	12-17-2021 6:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	8	23	NO
583	314577	506532	38	M	B+	12-28-2021 4:06 PM	05-01-2022 00:00:00	1-10-2022 5:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	13	21	NO

584	314610	503137	55	F	O+	12-29-2021 3:49 PM	03-01-2022 00:00:00	1-6-2022 5:00 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	8	21	NO
585	316564	504227	31	F	O+	3-14-2022 4:57 PM	21-03-2022 00:00:00	3-25-2022 7:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	1	0	11	25	NO
586	316691	510333	40	M	O+	3-17-2022 5:15 PM	28-03-2022 00:00:00	3-30-2022 6:50 PM	PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	13	79	NO
587	316817	511225	48	F	O+	3-21-2022 6:27 PM	25-03-2022 00:00:00	3-30-2022 6:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	9	87	NO
588	316927	509330	26	F	A+	3-24-2022 4:19 PM	31-03-2022 00:00:00	4-4-2022 4:00 PM	PITUITARY MICROADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	11	16	NO
589	316961	347079	46	M	B+	3-25-2022 7:52 PM	31-03-2022 00:00:00	4-6-2022 4:00 PM	RECURRENT PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	1	0	12	116	NO
590	320304	440494	39	F	A+	7-5-2022 6:24 PM	13-07-2022 00:00:00	7-15-2022 6:00 PM	RECURRENT GH SECRETING PITUITARY ADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	3	2	10	7	NO
591	320561	513946	46	F	B+	7-12-2022 3:29 PM	19-07-2022 00:00:00	7-22-2022 5:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	10	9	NO
592	314525	267439	32	F	O+	12-27-2021 5:24 PM	03-01-2022 00:00:00	1-7-2022 5:00 PM	RECURRENT PITUITARY ADENOMA WITH CSF RHINORRHEA	ENDOSCOPIC TNTS EXCISION OF TUMOUR AND RHINORRHEA REPAIR	1	0	11	26	NO
593	313740	505127	37	M	O+	11-30-2021 5:13 PM	10-12-2021 00:00:00	12-13-2021 6:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TNTS EXCISION OF TUMOUR	0	0	13	7	NO
594	313880	484396	56	M	B+	12-4-2021 3:37 PM	10-12-2021 00:00:00	12-13-2021 6:00 PM	PITUITARY MACROADENOMA	ENDOSCOPIC TRANSNASAL TRANSSPHENOIDAL EXCISION	0	0	9	3	NO
595	321828	517527	38	M	O+	8-22-2022 8:49 PM	02-09-2022 00:00:00	9-9-2022 4:00 PM	RECURRENT PITUITARY MACROADENOMA	LEFT PTERIONAL CRANIOTOMY, TRANSSYLVIAN APPROACH AND EXCISION	1	0	18	86	NO
596	317170	288504	58	F	O+	4-1-2022 4:53 PM	06-04-2022 00:00:00	4-18-2022 4:00 PM	RECURRENT PITUITARY ADENOMA	REEXPLORATION AND HEMATOMA EVACUATION	1	0	17	68	NO
597	311633	502657	50	M	A+	9-20-2021 6:12 PM	04-10-2021 00:00:00	10-11-2021 5:00 PM	INVASIVE PITUITARY ADENOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION	1	0	21	21	NO
598	319998	513840	25	M	O+	6-27-2022 5:17 PM	11-09-2022 00:00:00	7-19-2022 8:00 AM	PITUITARY MACROADENOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION OF LESION	1	0	22	179	YES
599	314637	237970	60	F	O+	12-30-2021 5:11 PM	05-01-2022 00:00:00	1-12-2022 5:00 PM	CSF RHINORRHEA IN OCO RECC PIT ADENOMA	RIGHT PTERIONAL CRANIOTOMY AND EXCISION OF TUMOUR AND CSF REPAIR	0	0	13	118	NO
600	318700	490892	50	M	B+	5-20-2022 4:54 PM	27-05-2022 00:00:00	5-31-2022 5:00 PM	RECURRENT PITUITARY ADENOMA	RIGHT SUPRA ORBITAL CRANIOTOMY AND EXCISION	1	0	11	62	NO
601	315451	508454	50	F	O+	2-5-2022 3:50 PM	08-02-2022 00:00:00	2-15-2022 5:00 PM	CSF RHINORRHEA (POST TRAUMATIC)	ENDOSCOPIC CSF RHINORRHEA REPAIR	0	0	10	54	NO
602	312322	451479	36	F	O+	10-11-2021 5:40 PM	12-10-2021 00:00:00	10-18-2021 4:00 PM	LEFT CSF RHINORRHEA	ENDOSCOPIC CSF RHINORRHEA REPAIR +/- TP SHUNT	0	0	7	16	NO
603	316210	501299	32	F	A+	3-3-2022 4:59 PM	04-03-2022 00:00:00	3-9-2022 4:00 PM	CSF RHINORRHEA IN OCO PITUITARY ADENOMA	ENDOSCOPIC INSPECTION AND REPAIR	0	0	6		NO
604	319922	516041	58	M	B+	6-24-2022 4:38 PM	28-06-2022 00:00:00	7-3-2022 3:00 PM	CSF RHINORRHEA	ENDOSCOPIC INSPECTION AND REPAIR	0	0	9	41	NO
605	322782	516808	29	F	O+	9-26-2022 4:48 PM	28-09-2022 00:00:00	10-3-2022 4:00 PM	CSF RHINORRHEA	ENDOSCOPIC INSPECTION AND REPAIR	0	0	7	20	NO
606	313471	505062	47	M	O+	11-20-2021 1:18 PM	23-11-2021 00:00:00	11-30-2021 4:00 PM	CSF RHINORRHEA S/P ENDOSCOPIC TNTS FOR CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS REPAIR	0	0	10	72	NO
607	319679	513153	41	F	O+	6-17-2022 4:05 PM	23-06-2022 00:00:00	6-29-2022 4:00 PM	CSF RHINORRHEA	ENDOSCOPIC TNTS REPAIR	0	0	12	22	NO
608	318878	514400	35	F	A+	5-25-2022 3:18 PM	30-05-2022 00:00:00	5-31-2022 3:30 PM	CSF RHINORRHEA	ENDOSCOPIC TRANSNASAL CSF LEAK REPAIR	0	0	6	22	NO
609	314362	423260	50	F	O+	12-20-2021 6:59 PM	31-12-2021 00:00:00	1-4-2022 4:00 PM	CSF RHINORRHEA - OCO POST 1/3RD PARASAGGITAL HEMANGIOPERICYTOMA	ENDOSCOPIC TRANSNASAL CSF RHINORRHEA REPAIR	0	0	15	74	NO
610	320305	378126	64	F	O+	7-5-2022 3:51 PM	12-07-2022 00:00:00	7-13-2022 2:42 PM	CSF RHINORRHEA	ENDOSCOPIC TRANSNASAL REPAIR	0	0	8	18	NO
611	320403	427476	19	M	B+	7-11-2022 5:22 PM	18-07-2022 00:00:00	7-19-2022 4:00 PM	CSF RHINORRHEA	FLUORESCENCE ASISTED DIAGNOSTIC ENDOSCOPY +/- REPAIR	0	0	8	4	NO
612	317044	508231	36	M	B+	3-28-2022 4:06 PM	05-04-2022 00:00:00	4-8-2022 5:00 PM	PARADOXICAL CSF RHINORRHEA S/P LEFT SIDED MVD	REEXPLORATION AND REPAIR	0	0	11	45	NO
613	320434	201858	63	F	A+	7-8-2022 4:15 PM	19-07-2022 00:00:00	7-21-2022 4:00 PM	CSF RHINORRHEA IN OCO MCF MENINGIOMA	REEXPLORATION AND REPAIR	0	0	13	5	NO
614	321672	518987	29	M	O+	8-17-2022 4:00 PM	19-08-2022 00:00:00	8-24-2022 5:00 PM	CSF RHINORRHEA WITH FRONTAL ENCEPHALOCOELE	TRANSCRANIAL ACF REPAIR	0	0	7	69	NO
615	320267	514700	38	M	O+	7-4-2022 4:30 PM	07-07-2022 00:00:00	7-11-2022 5:00 PM	CSF RHINORRHEA (POST TRAUMATIC)	TRANSCRANIAL REPAIR OF CSF RHINORRHEA	0	0	7	15	NO
616	320039	433170	39	F	A-	6-28-2022 4:43 PM	05-07-2022 00:00:00	7-6-2022 11:00 AM	CSF RHINORRHEA	TRANSNASAL ENDOSCOPIC REPAIR OF CSF RHINORRHEA	0	0	8	22	NO
617	320086	513528	50	F	B+	6-29-2022 5:06 PM	05-07-2022 00:00:00	7-8-2022 5:30 PM	CSF RHINORRHEA	TRANSNASAL ENDOSCOPIC REPAIR OF CSF RHINORRHEA	0	0	9	23	NO
618	319796	478548	51	M	O-	6-20-2022 5:27 PM	27-06-2022 00:00:00	7-4-2022 10:00 AM	RECURRENT RIGHT PARIETAL FIBRILLARY ASTROCYTOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	0	0	14	109	YES
619	314965	249680	52	M	O+	1-10-2022 7:46 PM	12-01-2022 00:00:00	1-21-2022 6:15 PM	LEFT RECURRENT INSULAR ANAPLASTIC OLIGOASTROCYTOMA	REEXPLORATION AND DECOMPRESSION	2	1	11	214	YES
620	314205	397408	65	M	O+	12-15-2021 4:04 PM	17-12-2021 00:00:00	12-24-2021 5:00 PM	RECURRENT RIGHT FRONTAL DIFFUSE ASTROCYTOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	0	0	9	64	NO
621	312589	377188	34	F	O+	12-28-2021 3:27 PM	31-12-2021 00:00:00	1-4-2022 4:00 PM	RECURRENT LEFT CORPUS CALLOSAL ASTROCYTOMA GRADE 3	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	0	0	7	66	NO
622	322240	9807686	32	F	A+	9-6-2022 6:34 PM	13-09-2022 00:00:00	9-20-2022 4:00 PM	RECURRENT CEREBELLAR ASTROCYTOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	0	0	14	23	NO
623	322615	520666	42	M	O+	9-20-2022 5:59 PM	28-09-2022 00:00:00	10-7-2022 4:00 PM	DIFFUSE INFILTRATINGASTROCYTOMA	RT FRONTAL CRANIOTOMY AND ECOMPRESSION	0	0	17	114	NO
624	320368	516787	43	M	B+	7-6-2022 5:41 PM	11-07-2022 00:00:00	7-13-2022 6:00 PM	LEFT TRIGEMINAL NEURALGIA WITH GRADE II CONFLICT	LEFT RMSO CRANIECTOMY AND MICROVASCULAR DECOMPRESSION	0	0	7	17	NO
625	320392	512485	57	M	B+	7-7-2022 3:11 PM	18-07-2022 00:00:00	8-1-2022 4:00 PM	LEFT TRIGEMINAL NEURALGIA	LEFT RMSO CRANIOTOMY AND MVD	0	0	25	26	NO
626	314009	504109	72	F	B+	12-9-2021 4:22 PM	15-12-2021 00:00:00	12-19-2021 4:00 PM	LEFT TRIGEMINAL NEURALGIA	LEFT RSSO CRANIOTOMY AND MICROVASCULAR DECOMPRESSION	0	0	10	7	NO
627	317768	511897	34	M	O+	4-21-2022 4:00 PM	26-04-2022 00:00:00	5-2-2022 4:00 PM	LEFT TRIGEMINAL NEURALGIA	LEFT RSSO CRANIOTOMY AND MICROVASCULAR DECOMPRESSION	0	0	11	6	NO
628	318331	510110	43	M	O+	5-9-2022 5:37 PM	13-05-2022 00:00:00	5-16-2022 5:00 PM	RIGHT TRIGEMINAL NEURALGIA	MICROVASCULAR DECOMPRESSION	0	0	7	69	NO
629	318336	509653	57	M	O+	5-9-2022 6:03 PM	12-05-2022 00:00:00	5-15-2022 5:00 PM	RIGHT TRIGEMINAL NEURALGIA	MICROVASCULAR DECOMPRESSION	0	0	6	21	NO
630	315672	417559	60	F	O+	2-14-2022 5:07 PM	18-02-2022 00:00:00	2-22-2022 7:00 PM	RECURRENT TRIGEMINAL NEURALGIA (L>R)	REEXPLORATORY CRANIOTOMY AND MVD	0	0	8	72	NO
631	312240	501830	42	F	O+	10-8-2021 4:53 PM	13-10-2021 00:00:00	10-15-2021 5:10 PM	RIGHT V2 TRIGEMINAL NEURALGIA	RIGHT MICROVASCULAR DECOMPRESSION	0	0	7	18	NO
632	316651	510571	50	M	B+	3-16-2022 3:35 PM	21-03-2022 00:00:00	3-23-2022 5:00 PM	RIGHT TRIGEMINAL NEURALGIA	RIGHT MICROVASCULAR DECOMPRESSION	0	0	7	18	NO
633	320084	495157	45	F	O-	6-30-2022 5:30 PM	06-07-2022 00:00:00	7-11-2022 5:00 PM	RIGHT TRIGEMINAL NEURALGIA	RETROMASTOID SUBOCCIPITAL CRANIECTOMY AND MICROVASCULAR DECOMPRESSION	0	0	11	33	NO
634	311917	496648	56	M	A+	9-28-2021 4:20 PM	05-10-2021 00:00:00	10-7-2021 5:00 PM	RIGHT TRIGEMINAL NEURALGIA	RIGHT RMSO CRANIOTOMY AND MICROVASCULAR DECOMPRESSION	0	0	9	23	NO
635	312460	474200	45	F	O-	10-20-2021 3:43 PM	25-10-2021 00:00:00	10-27-2021 4:00 PM	RIGHT TRIGEMINAL NEURALGIA	RIGHT RSSO CRANIOTOMY AND MVD	0	0	7	23	NO
636	319332	496007	25	M	AB+	6-7-2022 12:24 PM	08-06-2022 00:00:00	6-14-2022 6:00 PM	LEFT HEMISPHERIC NODULAR HETEROTOPIA	AWAKE CRANIOTOMY AND EXCISION OF LESION	0	0	7	12	NO
637	320835	450932	20	F	AB+	7-20-2022 11:21 AM	27-07-2022 00:00:00	8-1-2022 5:00 PM	LEFT INSULO-OPERCULAR GLIOSIS	EXCISION OF EPILEPTOGENIC FOCI (AWAKE CRANIOTOMY)	0	0	12	35	NO
638	320381	513336	30	M	B+	7-10-2022 11:31 AM	20-07-2022 00:00:00	7-25-2022 5:00 PM	CAL EXTRATEMPORAL EPILEPSY. LEFT OPERCULOPARIETAL LESION	INVASIVE STEREO EEG	0	0	15	19	NO
639	313929	448377	26	F	AB+	12-6-2021 2:38 PM	14-12-2021 00:00:00	12-22-2021 2:00 PM	LEFT MTS	LEFT ATL + AH	0	0	16	22	NO
640	314262	493724	20	M	AB+	12-17-2021 3:16 PM	20-12-2021 00:00:00	12-25-2021 7:00 PM	LEFT TEMPORAL FCD	LEFT ATL + AH	0	0	8	17	NO
641	316142	500157	40	F	A+	3-2-2022 1:52 PM	07-03-2022 00:00:00	3-12-2022 1:30 PM	LEFT MESIAL TEMPORAL SCLEROSIS	LEFT ATL + AH	0	0	10	18	NO
642	316841	481317	33	F	B+	3-22-2022 1:47 PM	23-03-2022 00:00:00	3-28-2022 6:00 PM	LEFT MESIAL TEMPORAL SCLEROSIS WITH ASSOCIATED FCD - TYPE I	LEFT ATL + AH	0	0	6	23	NO
643	317430	505226	30	M	O+	4-9-2022 3:32 PM	11-04-2022 00:00:00	4-16-2022 1:00 PM	LEFT MTS	LEFT ATL + AH	0	0	7	17	NO
644	318559	497451	39	M	B+	5-16-2022 5:32 PM	17-05-2022 00:00:00	5-21-2022 5:00 PM	LEFT TEMPORAL FCD	LEFT ATL + AH	0	0	5	26	NO
645	321147	423503	20	F	O+	7-30-2022 4:25 PM	01-08-2022 00:00:00	8-8-2022 4:00 PM	LEFT MTS	LEFT ATL + AH	0	0	9	11	NO
646	322425	504389	48	M	B+	9-14-2022 4:37 PM	19-09-2022 00:00:00	9-26-2022 7:00 PM	LEFT MTS	LEFT ATL + AH	0	0	12	69	NO
647	321439	488300	33	M	O+	8-9-2022 12:50 PM	10-08-2022 00:00:00	8-15-2022 3:30 PM	LEFT MTS + LEFT INSULAR FCD	LEFT ATL + AH + RESECTION OF INSULAR FCD	0	0	6	22	NO
648	315298	496335	21	F	O+	1-29-2022 3:22 PM	31-01-2022 00:00:00	2-5-2022 5:00 PM	LEFT MTS	LEFT ATL +H	0	0	7	19	NO
649	319676	500450	20	F	B+	6-17-2022 4:11 PM	20-06-2022 00:00:00	6-25-2022 6:00 PM	LEFT MTS	LEFT ATL+AH	0	0	8	17	NO

650	319981	316336	34	F	O+	6-26-2022 7:27 PM	27-06-2022 00:00:00	7-1-2022 6:00 PM	LEFT MTA	LEFT ATL+AH	0	0	5	22	NO
651	313577	495104	21	F	A+	11-24-2021 9:44 PM	25-11-2021 00:00:00	11-30-2021 6:00 PM	LEFT MTS	LEFT ATL+H	0	0	6	16	NO
652	319508	501839	28	F	B+	6-13-2022 2:10 PM	14-06-2022 00:00:00	6-20-2022 5:00 PM	B/L MTS	LEFT ATLH	0	0	7	20	NO
653	322028	462789	37	M	B+	8-29-2022 10:24 AM	01-09-2022 00:00:00	9-6-2022 4:00 PM	LEFT MTS	LEFT ATLH+AH	0	0	8	21	NO
654	312167	495678	22	F	B+	10-6-2021 5:07 PM	07-10-2021 00:00:00	10-12-2021 5:00 PM	LEFT SUPERIOR FRONTAL AND ANTERIOR CINGULATE FCD	LEFT FRONTAL CRANIOTOMY AND EXCISION	0	0	6	20	NO
655	312908	379140	25	F	O+	11-2-2021 6:20 PM	03-11-2021 00:00:00	11-10-2021 6:00 PM	LEFT FRONTAL GLIOSIS	LEFT FRONTAL CRANIOTOMY AND EXCISION	0	0	8	54	NO
656	321747	445526	26	M	O+	8-20-2022 2:41 PM	22-08-2022 00:00:00	8-27-2022 1:30 PM	LEFT SFG FCD	LEFT FRONTAL CRANIOTOMY AND EXCISION	0	0	7	13	NO
657	317240	396618	18	M	A+	4-4-2022 2:23 PM	06-04-2022 00:00:00	4-16-2022 4:00 PM	LEFT PARIETO OCCIPITAL GLIOSIS	LEFT PARIETO OCCIPITAL CRANIOTOMY AND POSTERIOR QUADRANT RESECTION	0	0	12	50	NO
658	317648	390821	42	F	O+	4-18-2022 6:47 PM	20-04-2022 00:00:00	5-4-2022 4:00 PM	RECURRENT RIGHT PARAHIPPOCAMPAL GYRUS DNET LESION	REEXPLORATORY CRANIOTOMY AND EXCISION	0	0	16	18	NO
659	315424	500143	18	F	A+	2-4-2022 3:50 PM	07-02-2022 00:00:00	2-12-2022 2:00 PM	RIGHT MTS	RIGHT ATL + AH	0	0	8	25	NO
660	316593	201214	45	F	AB+	3-15-2022 12:10 PM	23-03-2022 00:00:00	3-30-2022 11:45 AM	RIGHT MTS WITH NEOCORTICAL CHANGES	RIGHT ATL + AH	0	0	15	33	NO
661	317029	495854	21	M	A+	3-28-2022 4:37 PM	29-03-2022 00:00:00	4-5-2022 6:00 PM	RIGHT TEMPORAL DNET	RIGHT ATL + AH	0	0	8	14	NO
662	319099	500142	42	M	O+	5-31-2022 5:33 PM	02-06-2022 00:00:00	6-7-2022 7:30 PM	RIGHT MTS	RIGHT ATL + AH	0	0	7	30	NO
663	321801	502339	30	M	O+	8-22-2022 5:52 PM	23-08-2022 00:00:00	8-28-2022 2:07 PM	RIGHT MTS	RIGHT ATL + AH	0	0	6	3	NO
664	319919	504063	36	M	O+	6-24-2022 4:10 PM	27-06-2022 00:00:00	7-1-2022 4:00 PM	RIGHT MTS	RIGHT ATL+AH	0	0	7	22	NO
665	315243	474695	49	F	B+	1-25-2022 2:34 PM	27-01-2022 00:00:00	1-31-2022 6:00 PM	LATERAL TEMPORAL LOBE EPILEPSY	RIGHT ATLH	0	0	6	8	NO
666	315260	201214	44	F	AB+	1-27-2022 4:55 PM	28-01-2022 00:00:00	1-28-2022 12:00 PM	RIGHT MTS	RIGHT ATLH	0	0	1		NO
667	322249	243726	18	F	B+	9-8-2022 9:25 AM	09-09-2022 00:00:00	9-13-2022 5:30 PM	RT ANTERIOR CINGULATE GYRUS FCD	RIGHT FRONTAL CRANIOTOMY AND LESIONECTOMY	0	0	5	27	NO
668	321511	232858	32	F	B+	8-11-2022 6:04 PM	12-08-2022 00:00:00	8-17-2022 2:45 PM	RIGHT FRONTAL FCD TYPE 2B	RIGHT FRONTAL CRANIOTOMY AND NEURONAVIGATION GUIDED LESIONECTOMY	0	0	6	42	NO
669	316551	8808668	40	F	B+	3-14-2022 5:22 PM	15-03-2022 00:00:00	3-21-2022 3:00 PM	RIGHT MESIAL TEMPORAL FCD	RIGHT MEDIAL FRONTAL LOBECTOMY	0	0	7	21	NO
670	321167	501799	22	M	O+	8-1-2022 2:12 PM	02-08-2022 00:00:00	8-8-2022 4:00 PM	RIGHT PARIETO OCCIPITAL GLIOSIS	RIGHT PARIETO OCCIPITAL LOBECTOMY	0	0	7	16	NO
671	315079	483106	22	F	A+	1-14-2022 5:46 PM	17-01-2022 00:00:00	1-22-2022 3:00 PM	FOCAL EPILEPSY	RT ATL	0	0	8	22	NO
672	322649	508672	25	M	A+	9-21-2022 4:28 PM	26-09-2022 00:00:00	9-30-2022 5:30 PM	RT MTS	RT ATL+AH	0	0	9	18	NO
673	313330	324849	19	M	B+	11-16-2021 6:30 PM	19-11-2021 00:00:00	12-4-2021 8:00 PM	CPS RT HEMISPHERIC GLIOSIS	RT HEMISPHERIC MOTOR CORTEX SPARING HEMISPHEROTOMY	0	0	18	85	NO
674	320491	517840	29	F	B+	7-11-2022 7:52 PM	15-07-2022 00:00:00	7-19-2022 5:00 PM	RIGHT TEMPORAL SOLID CYSTIC LESION	RIGHT FRONTO TEMPORO PARIETAL CRANIOTOMY AND DECOMPRESSION	1	0	8	67	NO
675	312952	503271	35	F	O-	11-3-2021 6:03 PM	09-11-2021 00:00:00	11-11-2021 5:30 PM	RATKES CLEFT CYST	ENDOSCOPIC TNTS EXCISION	1	0	8	16	NO
676	319307	513745	50	F	AB+	6-6-2022 4:49 PM	08-06-2022 00:00:00	6-10-2022 5:00 PM	RIGHT FRONTAL DERMOID CYST	EXCISION OF CYST	0	0	4	25	NO
677	317653	508654	25	M	A+	4-18-2022 6:14 PM	21-04-2022 00:00:00	4-25-2022 4:00 PM	LEFT FRONTAL ENCEPHALOCOELE	LEFT FRONTAL CRANIOTOMY AND REPAIR	1	0	7	22	NO
678	321870	515686	37	M	O+	8-23-2022 5:02 PM	29-08-2022 00:00:00	9-6-2022 4:00 PM	LEFT CP ANGLE EPIDERMOID CYST	LEFT RSSO CRANIOTOMY AND EXCISION	4	3	14	164	NO
679	317143	421064	23	F	B+	3-31-2022 4:50 PM	11-04-2022 00:00:00	5-9-2022 4:00 PM	CURRENT CERVICAL (C3-C6) INTRAMEDULLARY EPIDERMOID CY	REEXPLORATIONA ND DECOMPRESSION	1	0	39	45	NO
680	317693	461987	53	F	O+	4-19-2022 5:34 PM	22-04-2022 00:00:00	4-26-2022 6:00 PM	DUAL RIGHT CP ANGLE EPIDERMOID CYST + TRIGEMINAL NEURA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	1	0	7	71	NO
681	313557	434540	47	M	O+	11-23-2021 4:22 PM	29-11-2021 00:00:00	12-2-2021 6:00 PM	RECURRENT EPIDERMOID CYST - MIDDLE CRANIAL FOSSA	REEXPLORATORY CRANIOTOMY AND EXCISION	1	0	9	19	NO
682	313946	468713	19	M	O+	12-6-2021 5:49 PM	15-12-2021 00:00:00	12-21-2021 5:00 PM	RECURRENT RIGHT TEMPORAL EPIDERMOID CYST	REEXPLORATORY CRANIOTOMY AND EXCISION	0	0	15	15	NO
683	314518	503127	31	F	A+	12-27-2021 4:15 PM	30-12-2021 00:00:00	1-4-2022 4:00 PM	ANTERIOR CRANIAL FOSSA LESION - ? DERMOID CYST	RIGHT PTERIONAL CRANIOTOMY AND DECOMPRESSION OF LESION	1	0	8	19	NO
684	315487	504877	32	F	B+	2-7-2022 7:45 PM	14-02-2022 00:00:00	2-21-2022 11:30 PM	SUPRASELLAR CYSTIC LESION ?EPIDERMOID CYST	RIGHT PTERIONAL CRANIOTOMY AND EXCISION	1	0	14	168	YES
685	320509	288250	41	F	B+	7-11-2022 6:02 PM	13-07-2022 00:00:00	7-17-2022 4:00 PM	RECURRENT RIGHT PREPONTINE EPIDERMOID	RIGHT REEXPLORATIVE RMSO CRANIOTOMY AND EXCISION	1	0	6	13	NO
686	315742	508635	35	F	AB+	2-16-2022 5:50 PM	18-02-2022 00:00:00	2-21-2022 4:00 PM	RIGHT CP ANGLE LESION ? EPIDERMOID CYST	RIGHT RSSO CRANIOTOMY AND EXCISION	2	1	5	26	NO
687	316560	506431	59	M	B+	3-14-2022 5:39 PM	21-03-2022 00:00:00	3-25-2022 6:00 PM	RECURRENT RIGHT CP ANGLE EPIDERMOID CYST	RIGHT RSSO CRANIOTOMY AND EXCISION	4	2	11	46	NO
688	317701	471902	46	M	B-	4-19-2022 5:12 PM	25-04-2022 00:00:00	5-4-2022 4:00 PM	RIGHT CP ANGLE LESION ? EPIDERMOID CYST	RIGHT RSSO CRANIOTOMY AND EXCISION	0	0	15	43	NO
689	312956	502975	42	F	O+	11-3-2021 5:34 PM	10-11-2021 00:00:00	11-12-2021 3:00 PM	RT POSTERIOR FOSSA EPIDERMOID	RT OCCIPITAL CRANIOTOMY AND EXCISION	1	0	9	19	NO
690	322059	518879	39	M	A-	8-29-2022 5:09 PM	05-09-2022 00:00:00	9-12-2022 1:00 PM	RIGHT CP ANGLE EPIDERMOID CYST	RT RSSO CRANIOTOMY AND DECOMPRESSION	1	0	14	26	NO
691	312884	502454	38	F	A+	11-1-2021 4:38 PM	09-11-2021 00:00:00	11-12-2021 3:00 PM	RT CP ANGLE EPIDERMOID CYST	RT RSSO CRANIOTOMY AND EXCISION	1	0	11	17	NO
692	320166	481649	26	M	O+	7-1-2022 4:28 PM	06-07-2022 00:00:00	7-8-2022 5:00 PM	OPERATED CASE OF LEFT PARIETAL AVM	CRANIOPLASTY	0	0	7	2	NO
693	314576	466328	36	M	B NE	12-28-2021 4:11 PM	07-01-2022 00:00:00	1-10-2022 5:00 PM	FT FRONTAL OLIGODENDROGLIOMA S/P DECOMPRESSIVE CRANII	CRANIOPLASTY WITH PATIENT SPECIFIC PEEK IMPLANT	0	0	13	4	NO
694	315342	473866	31	M	A+	1-31-2022 4:36 PM	01-02-2022 00:00:00	2-7-2022 5:00 PM	IGHT MCA STROKE S/P INFECTED MESH CRANIOPLASTY REMOVA	TITANIUM MESH CRANIOPLASTY	0	0	7	2	NO
695	318088	362688	41	M	O-	5-1-2022 4:44 PM	04-05-2022 00:00:00	5-16-2022 5:00 PM	OCO RECURRENT LEFT PARASAGGITAL MENINGIOMA	TITANIUM MESH CRANIOPLASTY	0	0	15	6	NO
696	312450	497941	39	M	O+	10-18-2021 4:24 PM	21-10-2021 00:00:00	10-23-2021 3:30 PM	OPERATED LEFT TEMPORAL CAVERNOMA	TITANIUM MESHPLASTY	0	0	5	23	NO
697	316960	503564	46	F	A+	3-25-2022 8:36 PM	31-03-2022 00:00:00	4-6-2022 4:00 PM	LEFT LATERAL VENTRICLE TRIGONAL LESION ? EPENDYDOMA	LEFT TEMPORO PARIETO OCCIPITAL CRANIOTOMY AND DECOMPRESSION OF LESION	2	2	12	19	NO
698	312674	497187	44	F	O+	10-25-2021 4:44 PM	28-10-2021 00:00:00	11-1-2021 4:00 PM	INTRADURAL LESION - L1 ? EPENDYMOMA	LU,MBAR LAMINECTOMY AND EXCISION	2	0	7	2	NO
699	312701	503165	20	M	O+	10-26-2021 4:40 PM	05-11-2021 00:00:00	11-9-2021 4:00 PM	IV VENTRICULAR EPENDYMOMA	MLSO CRANIOTOMY AND DECOMPRESSION OF LESION	2	0	14	64	NO
700	319923	514291	60	M	O+	6-24-2022 6:02 PM	28-06-2022 00:00:00	7-15-2022 6:00 PM	C1 - C3 INTRAMEDULLARY EPENDYMOMA	POSTERIOR CERVICAL LAMINECTOMY AND DECOMPRESSION	0	0	21	51	NO
701	315739	420916	44	M	B+	2-16-2022 4:54 PM	23-02-2022 00:00:00	3-7-2022 5:00 PM	RECURRENT RIGHT MEDIAL FRONTAL EPENDYMOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	2	0	19	22	NO
702	319536	470399	26	M	A+	6-13-2022 7:18 PM	16-06-2022 00:00:00	6-27-2022 4:00 PM	CURRENT QUADRIGEMINAL CISTERN EPENDYMOMA GRADE 2 S/P	REEXPLORATORY CRANIOTOMY AND EXCISION	2	2	14	72	NO
703	318326	511723	42	F	O+	5-9-2022 5:24 PM	11-05-2022 00:00:00	5-13-2022 5:00 PM	OLIGODENDROGLIOMA (LEFT FRONTAL LOBE)	LEFT FRONTAL CRANIOTOMY AND DECOMPRESSION	1	1	4	24	NO
704	321251	497247	45	M	A+	8-2-2022 4:38 PM	04-08-2022 00:00:00	8-13-2022 4:00 PM	RIGHT INSULAR OLIGODENDROGLIOMA	REEXPLORATORY CRANIOTOMY AND DECOMPRESSION	0	0	11	83	NO
705	318577	9702619	69	M	A+	5-17-2022 5:01 PM	23-05-2022 00:00:00	6-13-2022 4:00 PM	RECURRENT RIGHT FRONTAL OLIGODENDROGLIOMA	RIGHT FRONTAL CRANIOTOMY AND DECOMPRESSION	0	0	27	235	NO
706	316159	499266	49	M	B+	3-2-2022 4:39 PM	07-03-2022 00:00:00	3-23-2022 4:00 PM	RECURRENT CRANIOPHARYNGIOMA	CRANIOTOMY AND EXCISION	0	0	21	196	NO
707	314523	507545	26	M	O+	12-27-2021 5:26 PM	04-01-2022 00:00:00	1-12-2022 5:00 PM	CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS AND DECOMPRESSION	0	0	16	45	NO
708	316603	511285	49	M	A+	3-15-2022 3:41 PM	29-03-2022 00:00:00	4-5-2022 4:00 PM	CRANIOPHARYNGIOMA WITH HCP	ENDOSCOPIC TNTS DECOMPRESSION OF THE LESION	0	0	21	77	NO
709	312516	233066	56	M	B+	10-20-2021 3:43 PM	27-10-2021 00:00:00	11-4-2021 4:00 PM	CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS EXCISION	2	1	15	143	NO
710	312673	505062	47	M	O+	10-25-2021 5:06 PM	03-11-2021 00:00:00	11-16-2021 4:00 PM	CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS EXCISION	0	0	22	44	NO
711	313347	357637	47	M	O+	11-16-2021 4:40 PM	23-11-2021 00:00:00	11-30-2021 4:00 PM	CRANIOPHARYNGIOMA IN S/P RECURRENT RATHKES CYST	ENDOSCOPIC TNTS EXCISION	0	0	14	44	NO
712	314833	507028	20	M	A+	1-11-2022 3:36 PM	21-01-2022 00:00:00	1-31-2022 4:00 PM	RECURRENT CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS EXCISION	2	1	20	72	NO
713	318209	243061	35	F	B+	5-5-2022 5:59 PM	20-05-2022 00:00:00	5-24-2022 5:00 PM	RECURRENT CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS EXCISION	0	0	19	162	NO
714	318657	498261	22	F	A+	5-19-2022 3:09 PM	26-05-2022 00:00:00	5-31-2022 5:00 PM	CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS EXCISION	0	0	12	17	NO
715	319849	488440	24	M	B+	6-22-2022 4:00 PM	29-06-2022 00:00:00	7-4-2022 4:00 PM	CRANIOPHARYNGIOMA	ENDOSCOPIC TNTS EXCISION	0	0	12	101	NO

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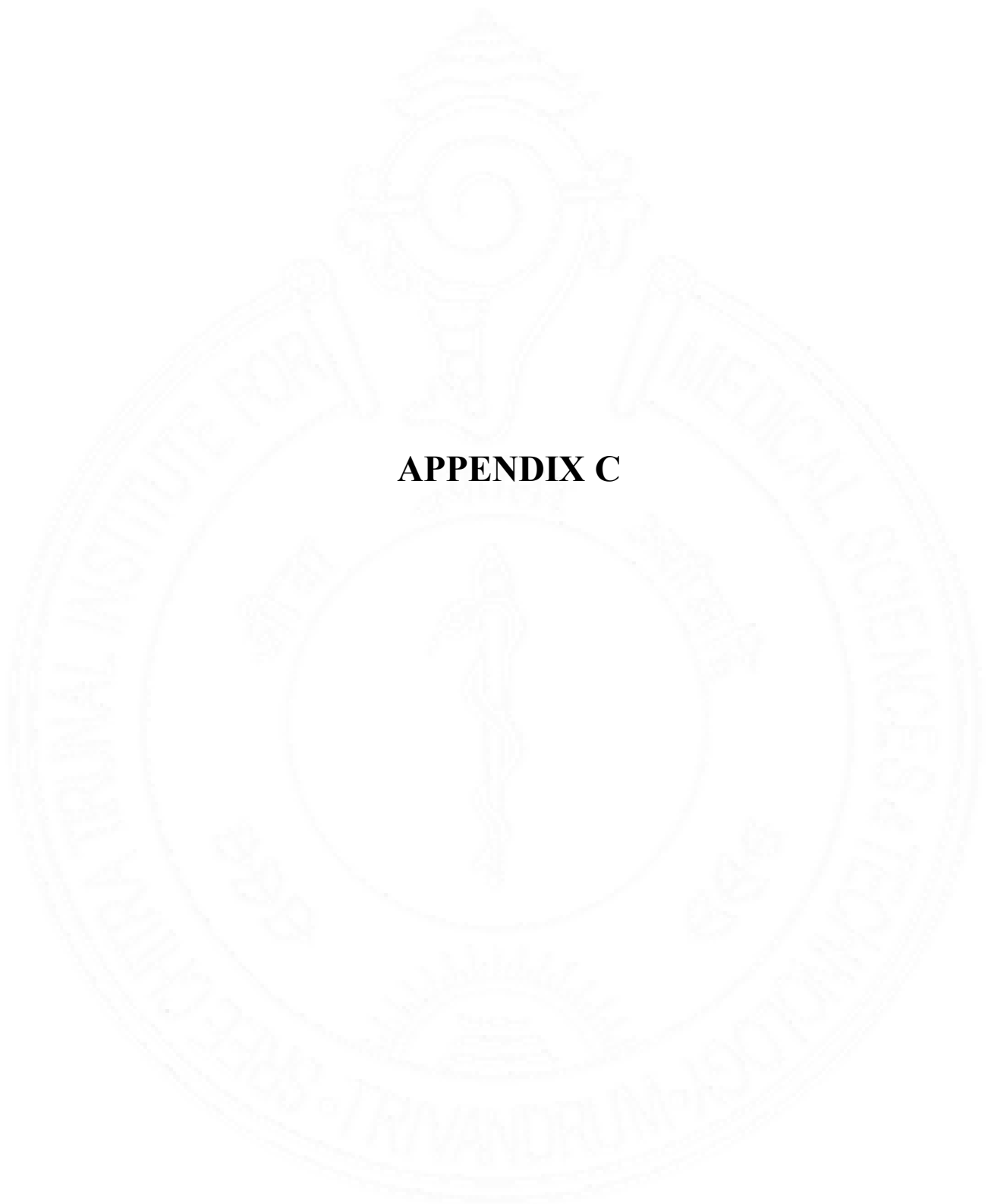
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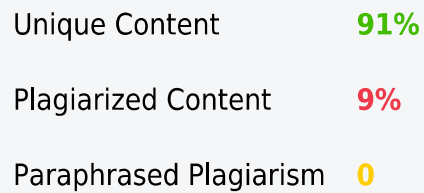
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APPENDIX C





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Records Found 10

INTRODUCTION

(1). Managing anemia and reducing the risk of anemia are intended to reduce transfusions of red blood cells (RBCs) and possibly other blood components, in turn reducing risks of anemia, transfusion reactions and other transfusion complications. This patient-centered multimodality and multidisciplinary approach focuses on clinical outcomes rather than the use of blood components. Cost saving can also be seen. Techniques and strategies for optimal PBM span the entire perioperative period from preoperative assessment until discharge from the hospital.

For major or complex surgical procedures with a known high risk of significant blood loss (>500 to 1000 mL), advance discussions with the surgical team, anesthetist and/or the patient's primary clinician may identify opportunities to implement preoperative or intraoperative measures to avoid allogeneic transfusions such as delay of an elective procedure to treat certain causes of anemia, preoperative autologous blood donation, intraoperative blood salvage, acute normovolemic hemodilution (ANH), or use of antifibrinolytic agents or other hemostatic

The blood units are reserved pre-operatively for most surgical procedures including neuro surgery.



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