

# **SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY**

**Thiruvananthapuram – 695011, India**



## **WORK RECORD**

**Name : Dr. REENUS DEMEL X**

**Course : MCh**

**Discipline : CARDIO VASCULAR AND THORACIC SURGERY**

**Year of Study : Jan 2013 – Dec 2015**

# CERTIFICATE

*I hereby certify that I have performed / assisted all  
the procedures listed in the work record.*

Place:

Signature:

Date:

Name: Dr. Reenus Demel X

**Forwarded:** The above candidate has satisfactorily  
carried out the minimum required procedures.

*Seal*

Prof. Jayakumar K,  
Head of the Department,  
Department of CVTS,  
SCTIMST,  
Thiruvananthapuram.

## **PROCEDURES PERFORMED**

<b>OS ASD</b>	<b>6</b>
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# **PROCEDURES ASSISTED**

## **ADULT CARDIAC SURGERY**

CABG/ OPCAB	215
MVR	28
AVR	18
DVR	10
MV REPAIR	6
BENTALL PROCEDURE/ SUPRACORONARY ASCENDING AORTA REPLACEMENT	4
AVR + CABG	9
MVR + CABG	5
DVR+ CABG	4
MV REPAIR + CABG	2
REDO CABG	1
DVR+ TVA	1
BENTALL + CABG	1

MVR+ SEPTAL MYECTOMY	2
MVR + TVA	5
MVR+ SPLENECTOMY	1
RSOV REPAIR	1
MVR + ASD CLOSURE	2
MV REPAIR + ASD CLOSURE	3
LA MYXOMA EXCISION	1
ASD CLOSURE+ PERICARDECTOMY	1

## CONGENITAL HEART SURGERY

OSTIUM SECUNDUM ASD CLOSURE	22
SINUS VENOSUS ASD CLOSURE + PAPVC REROUTING	9
VSD CLOSURE	14
ICR for TOF	30
TAPVC REPAIR	7
BDG	5
ASO	1
TCPC	2
COARCTATION/ INTERRUPTED AORTIC ARCH REPAIR	3
MODIFIED BT SHUNT	6
C-AVCD REPAIR	1
P- AVCD REPAIR	1
PA BAND	2
PA PLASTY	1
ALCAPA- TRANSLOCATION OF LCA	3
PDA INTERRUPTION	1
VSD CLOSURE + AORTIC VALVE REPAIR	1

WARDEN PROCEDURE	2
NORWOOD PROCEDURE	2
CONE REPAIR – EBSTEIN ANOMALY	1
RV TO PA HOMOGRAFT CONDUIT REPAIR	4
KAWASHIMA PROCEDURE	1
ASO	4
INTRACARDIAC TUNNEL REPAIR FOR DORV	2
TAPVC REPAIR+ PA BANDING	1
TAPVC REPAIR + COA	1
ASD CLOSURE + PULMONARY VALVOTOMY	1
VSD CLOSURE+ SUPRAMITRAL MEMBRANE EXCISION	1
RMBTS + TAPVC REPAIR	1

## MISCELLANEOUS

DELAYED STERNAL CLOSURE	10
WOUND DEBRIDEMENT + SECONDARY SUTURING	5
STERNAL WIRE REMOVAL	2
HOMOGRAFT HARVEST AND TRIMMING	10
PMMC FLAP REPAIR	2
PERICARDIAL EFFUSION DRAINAGE	4
AVF CREATION	1
SSG	1
LA/ PA LINE REMOVAL	8

## **CONFERENCES AND PRESENTATIONS**

IACTSCON 2015 - The 61<sup>st</sup> Annual National Conference of the Indian Association of Cardiovascular and Thoracic Surgeons. Hyderabad

*Cornelia de Lange syndrome: An unusual cardiac defect* - POSTER PRESENTATION

# **PROCEDURES PERFORMED**

S.NO	H.NO	NAME	AGE	SEX	DOS	DIAGNOSIS	PROCEDURE	SUPERVISED BY
1	375882	KANITHA I	10	F	20-Jun-2014	ACHD, OS ASD, NO PAH, GOOD LV, SR	TPP CLOSURE OF OS ASD	DR. SABARINATH MENON
2	347232	PARAMESWARI S	4	F	1-Dec-2014	ACHD, OS ASD, NO PAH, SR	TPP CLOSURE OF SP VSD	DR. SABARINATH MENON
3	381984	BINU KUMAR V	4	M	12-Jan-2015	ACHD, OS ASD, MILD PAH, SR	TPP CLOSURE OF OS ASD	DR. SABARINATH MENON
4	365657	ADI SANKAR P.	4	F	3-Feb-2015	ACHD, OS ASD, GD LV, SR	TPP CLOSURE OF OS ASD	DR. THOMAS MATHEW
5	375733	EADEN MATHEW	4	M	17-Mar-2015	ACHD, OS ASD, NO PAH, SR	TPP CLOSURE OF OS ASD	DR. SABARINATH MENON
6	390551	SEYADHU SHEBAYEEDEN	16	M	3-Aug-2015	ACHD, OS ASD, MILD PAH, GD LV, SR	TPP CLOSURE OF OS ASD	DR. BINEESH KR

# **PROCEDURES ASSISTED**

s.no	HNO	NAME	AGE1	SEX	DOP	POSTOP_DIAG	PROC_EXECUTED	SURGEON
1.	348342	RAJENDRAN C	45	M	11-Jan-2013	CAD-TVD,MILD LVD,MILD MR,SR,DM,DLP	CABG X 4 GRAFTS(LIMA TO LAD, RSVG TO MAJ OM,IST PLB, AM	DR. JAYAKUMAR K
2.	354257	ABDUL JAFFER .K	51	M	14-Jan-2013	CAD,TVD,P/PTCA-RCA('11),FAIR LV,,SR,DM,HTN,DLP	CABG X 3 GRAFTS(LIMA TO LAD, RSVG TO RI,OM1)	DR. PRAVEEN VARMA P.K.
3.	348758	RATNAKARAN NAIR C N	64	M	15-Jan-2013	CAD-TVD, GOOD LV,SR, CA BLADDER,DM	CABGX4 GRAFTS(LIMA TO LAD,RSVG TO MAJ OM,DI,,PDA)	DR. JAYAKUMAR K
4.	9805068	JEENA	35	F	15-Jan-2013	RHD,SEV MS,MILD MR,MILD TR ,MOD PAH,GOOD LV,AF	MVR#27SJM+PARTIAL PMLP+LEFT ATRIAL APPENDAGE EXCLUSION	DR. VIVEK V. PILLAI
5.	345817	BADARUDEEN A	65	M	16-Jan-2013	CAD,TVD,GD LV,SR,HTN,DM,GERD,DIABETIC NEPHROPATHY	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO PDA, DISTAL OM)	DR. PRAVEEN VARMA P.K.
6.	271911	CHERIAN K.M.	55	M	17-Jan-2013	CAD,TVD,SEVERE LVD,RECENT MI,SR,DM,DLP	CABGX4 GRAFTS(LIMA TO LAD,RSVG TO MAJOR DIAGNOL, MAJOR OM, DISTAL OM)	DR. VIVEK V. PILLAI
7.	352935	KUNJAMMA THOMAS	65	F	18-Jan-2013	CAD,LMCA+TVD,GOODLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS(RSVG TO LAD,MAJOR OM,MAJOR DIAGNOL,RPDA)	DR. JAYAKUMAR K
8.	346617	RAVEENDRAN PILLAI K	67	M	21-Jan-2013	CAD,TVD,RECENT MI,GOOD LV,SR,DLP	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO RPDA,MAJOR OM,D2,D3)	DR. JAYAKUMAR K
9.	9401318	VALSALA.R.	48	F	22-Jan-2013	ACHD, OS ASD,SEV PAH,AF	PATCH CLOSURE OF OS ASD	DR. BINEESH K. R.
10.	344441	SUMANGALA C.	67	F	22-Jan-2013	S/P CABG,SSI OF STERNAL WOUND & LEG WOUND,DM,HTN.	PM FLAP RECONSTRUCTION OF STERNAL DEFECT + LEG WOUND DEBRIDEMENT.	DR. VARGHESE T.PANICKER
11.	334938	PADMA KUMARI V	52	F	22-Jan-2013	CAD,SVD,GOOD LV,SR,HTN	OP-CABG X 2 GRAFTS(LIMA TO LAD,RSVG TO MAJOR D)	DR. JAYAKUMAR K
12.	354869	SANTHOSH KUMAR .S	53	M	23-Jan-2013	CAD,TVD,REC IWMI,FAIR LV,SR,DM,DLP	CABG X 5 GRAFTS(LIMA TO D3, RSVG TO RPDA, TERMINAL OM, OM1 & RAMUS)	DR. JAYAKUMAR K
13.	346234	VALSAN C.K	47	M	24-Jan-2013	CAD,TVD.SEV LVD,SR,DM,HTN,DLP	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO MAJOR D, OM1,PDA,PLB	DR. JAYAKUMAR K
14.	351779	VASUDEVAN NAMBOODIRI K P	65	M	25-Jan-2013	CAD,DVD,GOOD LV,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,D2,MAJ OM)	DR. JAYAKUMAR K
15.	356058	SAHADEVAN .P.K	66	M	25-Jan-2013	CAD,TVD,GOOD LV,SR,DM,HTN	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO DI, MAJ OM, PDA)	DR. JAYAKUMAR K
16.	8600672	FATHIMMA BEEVI	45	F	28-Jan-2013	ACHD, SV ASD, PAPVC, PFO, MOD PAH, SR	SV ASD CLOSURE + PAPVC REROUTING-DOUBLE PATCH TECHNIQUE + PFO-	DR. BINEESH K. R.

							DIRECT CLOSURE	
17.	354649	RAJAN .G	55	M	28-Jan-2013	CAD,LMCA+TVD,RECENT AWMI,MILD LVD,SR,HTN	CABG X 6 GRAFTS(LIMA TO LAD,RSVG TO D1,D2,OM2,OM3,PDA)	DR. JAYAKUMAR K
18.	346464	RADHAKRISHNAN NAIR G.	65	M	29-Jan-2013	CAD,TVD,MILD LVD,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,MAJOR OM, PDA)	DR. PRAVEEN VARMA P.K.
19.	340756	SUSAMMA KURIAN	54	F	30-Jan-2013	RHD,SEV MS, MILD MR, MILD PAH,GOOD LV,SR	MVR #25 SJM + PMPL	DR. PRAVEEN VARMA P.K.
20.	343178	MUHAMMED V P	47	M	07-Feb-2013	SEV CAL AS, MILD AR,MILD MR,CAD,DVD,CHB	CABGX 2 GRAFTS + AVR # 19CHVP	DR. VIVEK V. PILLAI
21.	349499	LATHEEF M.	55	M	07-Feb-2013	CAD,TVD,GDLV,SR,DM,DLP,BRONCHIAL ASTHMA	CABG X 4GRAFTS(LIMATOLAD,RSVG TO D2,MAJOR OM,RPDA)	DR. PRAVEEN VARMA P.K.
22.	356463	AMMINI VARGHESE	63	F	08-Feb-2013	CAD,TVD,RECENT NSTEMI,SEV LV DYSF,DM,HTN,DLP	CABG X 6 GRAFTS(LIMA TO D1,RSVG TO LAD, D2, MAJ OM,TER OM ,DISTAL RCA)	DR. JAYAKUMAR K
23.	356836	CHANDRASENAN .B	58	M	11-Feb-2013	CAD, TVD, RECENT MI, GD LV, SR, DM, HTN	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,OM2,TERMINAL OM, PDA)	DR. JAYAKUMAR K
24.	341338	AMBILI A	34	F	11-Feb-2013	ACHD, SVASD,PAPVC OF RUPV,MILD PAH, GDLV,SR	ASD CLOSURE + PAPVC REROUTING	DR. BINEESH K. R.
25.	355397	SREEKUMAR .K	46	M	12-Feb-2013	CAD,TVD,P/PCS,GDLV, SR,HTN	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO MAJOR D,RPDA)	DR. JAYAKUMAR K
26.	346934	SABU M.	43	M	12-Feb-2013	CAD, TVD,GDLV,SR,HTN	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM,RPDA)	DR. JAYAKUMAR K
27.	356743	BEEEMA BEEVI .F	64	F	14-Feb-2013	CKD; HTN; DM	LEFT BRACHIO-CEPHALIC AV FISTULA CREATION	DR. SIDHARTH VISWANATHAN
28.	357336	SIVARAJAN. C	59	M	17-Feb-2013	CAD,TVD,OLD IWMI,P/PTCA,MILD LVD,SR,DM/,HTN	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,MAJ OM,RPDA)	DR. JAYAKUMAR K
29.	350581	SARADAMMA B.	54	F	28-Feb-2013	CAD,LMCA,TVD,GDLV,SR,DM,HTN,S/P THYROIDECTOMY	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,RI,OM1,RPDA)	DR. JAYAKUMAR K
30.	355911	BASHEER RAWTHER K.H.	58	M	01-Mar-2013	RA MASS,HAEMORRHAGIC PERICARDIAL EFFUSION,GDLV,SR,DM	BIOPSY FROM RA MASS	DR. JAYAKUMAR K
31.	350329	MOHANAN ASARI R.	42	M	01-Mar-2013	CAD,LMCA,TVD,GDLV,SR,DM,HTN,POVD S/P LEFT SFA STENTING	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,D2,MAJ OM,DISTAL RCA) +LA PPLICATION	DR. JAYAKUMAR K
32.	327848	ROSILY T.	59	F	01-Mar-2013	RHD, SEV MS, MOD MR/TR, MILD AR,GOOD LV FN,SEV PAH,AF,NC	MVR#25 SJM+PMPL+LA APPENDAGE LIGATION	DR. PRAVEEN VARMA P.K.
33.	358588	B/O DEEPA	0	M	24-Mar-2013	D TGA,S/P ASO WITH STENTED STERNUM	DSC	DR. SABARINATH

								MENON
34.	323951	SMRITHYJAYA P V	5	F	12-Apr-2013	CCHD,TOF ABSENT PV,MILD PAH,NC,SR	ICR+TAP+BICUSPID RECONSTRUCTION OF RVOT	DR. THOMAS MATHEW
35.	9802915	CHANDRASEKHARAN.T.J.	70	M		CAD, LMCA+DVD,MILD AR,GDLV,SR, HTN,OLD SAH ,CP ANGLE TUMOUR,LEFT SIDED DEAFNESS,MILD RENAL DYSFUNCTION,CERVICAL SPONDYLITIS	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO MAJOR D,OM2,TER OM)	DR. JAYAKUMAR K
36.	359302	GIRISH KUMAR K	61	M	17-May-2013	CAD,TVD,GDLV,SR,HTN,(L) CAROTID ARTERY STENOSIS	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D2,RAMUS,RCA,AMPDA)	DR. JAYAKUMAR K
37.	359235	SELVI A	50	F	20-May-2013	CAD, DVD, S/P ATTEMPTED PCI, LCX DISSECTION ,GDLV, SR,	CABD X 2 GRAFTS(LIMA TO LAD,RSVG TO MAJ OM)	DR. PRAVEEN VARMA P.K.
38.	354243	CHANDRAN .M	47	M	21-May-2013	CAD,DVD,OLD AWWMI, FAIR LV,SR, HTN,DLP	CABG X 3 GRAFTS (LIMA TO LAD,RSVG TO D1, RAMUS)	DR. VIVEK V. PILLAI
39.	9408467	SARAVANAN S	37	M	21-May-2013	RHD,S/P BMV(1994),SEV RE MS,MILD AR,SEV PAH,GDLV,PAROXYSMAL AF	MVR #27SJM + PARTIAL PMLP+ LAA EXCLUSION+ LA CLOT REMOVAL	DR. VIVEK V. PILLAI
40.	2783	SREEKUMAR.C.	50	M	22-May-2013	RHD,S/P CMV(1980),S/P MVR # 26 SEP(1988),SEV AS,MOD AR,MILD TR,MOD PAH,MOD LVD,,AF,NC	REDOSTERNOTOMY+AVR # 23 CHVP	DR. VIVEK V. PILLAI
41.	352873	GIREESAN .K	50	M	23-May-2013	CAD,SVD,RECENT NSTEMI,GD LV,SR,DM,HTN,DLP	OP-CABG X 1 GRAFT( LIMA TO LAD)	DR. JAYAKUMAR K
42.	355643	KARUPPAYEE .B.	40	F	23-May-2013	ACHD,OS ASD,MILD MR,SEVERE PAH,GOOD RV,SR	TPP CLOSURE OF ASD	DR.SIVAPRASAD V.
43.	351501	VASANTHY A K	47	F	27-May-2013	RHD,SEV CAL MS,MOD MR,MOD TR,GOOD LV FN,MOD PAH,NC,AF	MVR#25 SJM+PMLP+PARTIAL DE VEGA,S ANNULOPLASTY	DR. VARGHESE T.PANICKER
44.	356563	BIBITHA C B	13	F	25-Jun-2013	RHD,SEV MR,MOD TR,MOD LVD,SR	MVR # 25 SJM+PMLP+ BICUSPIDISATION OF TV	DR. VARGHESE T.PANICKER
45.	357067	VIJAYA RAJ J.	60	M	25-Jun-2013	CAD,OLD AWWMI,DVD,S/P PCI TO LAD,MOD LVD,SR	CABG X 2 GRAFTS(LIMA TO LAD,RSVG TO RI) + LV PLICATION	DR. JAYAKUMAR K
46.	341259	JAMES V.S	52	M	27-Jun-2013	RHD,SEV MS,MOD MR,MILD AR/TR,MOD PAH,AF,MILD CAD,DM,HTN	MVR#27 SJM+PMLP	DR. PRAVEEN VARMA P.K.
47.	9701264	SARANYA.M.	17	F	27-Jun-2013	HOCM,SAM,SEV SUBVALVAR LVOTO,MOD MR,MOD PAH,SR,HYPOTHYROIDISM.	SEPTAL MYOMECTOMY+MVR #27 SJM+PMLP	DR. VIVEK V. PILLAI
48.	361718	LATHEEFA BEEVI .Y	69	F	01-Jul-2013	CAD,TVD,GDLV SR,DM,HTN,DLP,HCV +VE,S/P LEFT NEPHRECTOMY,H/O ISCHAEMIC COLITIS	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,MAJ OM,AC MARGINAL,RPDA)	DR. JAYAKUMAR K
49.	9908093	VIJAYAN N.	50	M	01-Jul-2013	RHD,SEV CAL MS,MILD MR,LARGE LA CLOT,MOD PAH,GDLV,AF,NC,COPD	MVR#25 SJM+PMLP	DR. JAYAKUMAR K
50.	354671	MOHANLAL .P	61	M	02-Jul-2013	CAD,TVD,GDLV,SR,DM	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,MAJ OM,DISTAL RPDA)	DR. JAYAKUMAR K

51.	328097	SHIVANI KRISHNA T.U	2	F	15-Jul-2013	CCHD,TOF,GOOD PA,BICUSPID PV,SR,NC	ICR+SHORT TAP+PFO OPEN	DR. THOMAS MATHEW
52.	320703	KABIL VASAN A.	2	M	02-Aug-2013	ACHD, SA VSD, MOD PAH, SR	VSD CLOSURE	DR. SABARINATH MENON
53.	351861	RAJESH THOMAS	27	M	02-Aug-2013	ACHD, OS ASD, GOOD LV, SR	TANNED PERICARDIAL PATCH CLOSURE OF OS ASD	DR. ASHOK KUMAR C J
54.	363620	PAPPACHAN C.	64	M	03-Aug-2013	CAD,LMCA,TVD,GDLV,SR,DM,HTN,COPD,LEFT MCA ANEURYSM	CABGX 4 CRAFTS(LIMA TO LAD,RSVG TO D1,TER OM,PRE CRUX RCA)	DR. PRAVEEN VARMA P.K.
55.	261397	JAGANMAYAN BALAJI.L	31	M	05-Aug-2013	TYPE I ASCENDING AORTIC ANEURYSM,MOD AR,MOD PR, MILD MR,SEV PAH,MILD LVD,SR,S/P VSD CLOSURE(2006)	BENTALL DEBONO(AVR 29 CHVP+ ASCENDING AORTIC REPLACEMENT WITH # 30 ALBO GRAFT)	DR. JAYAKUMAR K
56.	352445	ISMAIL .E.M	52	M	07-Aug-2013	MVP OF PLM(P2&P3),SEV MR,P/IE SEQUAE,MILD PAH,MILD LVD,SR,HEMANGIOMA IN LIVER	MV REPAIR (QUADRANGULAR RESECTION OF P2 SEGMENT + # 29 SJ TAILOR RING ANNULOPLASTY)	DR. VIVEK V. PILLAI
57.	345943	THANKAPPAN K.C	73	M	07-Aug-2013	CAD,TVD,S/P PCI TO LAD,GDLV,SR,DM,HTN	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,MAJ OM,TER OM,RPDA	DR. JAYAKUMAR K
58.	361035	ISACK.K.P	63	M	22-Aug-2013	SEV CAL AS,CAD,SVD,GDLV,SR,DM,HTN,DLP	AVR# 19 PM MAGNA+CABG X 1 GRAFT(RSVG TO MEDIAL BR OF MAJ D)	DR. VIVEK V. PILLAI
59.	332365	SOBHA S	25	F	23-Aug-2013	ACHD,OS ASD,MOD PAH,GD LV, SR	TPP CLOSURE OF OS ASD	DR. VIVEK V. PILLAI
60.	331955	ABDUL MAJEED V	52	M	26-Aug-2013	POST AORTITIS,SEV AR,MILD-MOD MR,GDLV,SR,SCHIZOPHRENIC	AVR# 25 CHVP+ MV REPAIR(# 28 SADDLE RING ANNULOPLASTY)	DR. VARGHESE T.PANICKER
61.	345815	KRISHNA KUMARI P	69	F	27-Aug-2013	BAV, SEV CAL AS, MILD AR, MILD MR, GD LV, SR, NC, HTN	AVR (# 19 PM MAGNA)	DR. PRAVEEN VARMA P.K.
62.	307815	BALACHANDRAN PILLAI K	63	M	27-Aug-2013	RHD,SEV CAL MS,MILD MR,MOD TR,MOD PAH,AF,NC,R MCA STROKE	MVR# 29SJM+ BICUSPIDISATION OF TV	DR. VARGHESE T.PANICKER
63.	331955	ABDUL MAJEED V	52	M	28-Aug-2013	S/P AVR# 25 CHVP+ MV REPAIR(# 28 SADDLE RING ANNULOPLASTY),PE	RE-EXPLORATION AND PE DRAINAGE	DR. VARGHESE T.PANICKER
64.	363441	ANANDAN K	67	M	26-Sep-2013	CAD, DVD, GD LV, SR, HTN, DLP	CABG X 4 GRAFTS (LIMA-LAD, RSVG-D1, PDA1,PDA2 )	DR. JAYAKUMAR K
65.	367993	RAMALAKSHMI.B	40	F	30-Sep-2013	LA MYXOMA,MILD MR,GDLV,SR	LA MYXOMA EXCISION AND DEFECT CLOSED BY TPP	DR. VIVEK V. PILLAI
66.	366176	GOPALAKRISHNAN NAIR N	68	M	30-Sep-2013	CAD,TVD,OLD IWMI.GDLV,SR,MILD RENAL DYSFUNCTION,SMOKER	CABG X 4 GRAFTS(LIMA TO LAD, RSVG TO D2,MAJ OM,RPDA)	DR. JAYAKUMAR K
67.	9903584	VISHNU.R	14	M	24-Oct-	SS,DC,TA,SV(LV),S/P BDG,SR	TCPC(22MM PTFE GRAFT WITH 4.5MM	DR. BAIJU

					2013		FENESTRATION) WITH INTRACARDIAC TUNNELLING	S.DHARAN
68.	367420	MUHAMMED FARISAN	0	M	08-Nov-2013	DORV,SAVSD,SEV PAH,GDLV,SR,SINGLE FUNCTIONING KIDNEY,HYPOTHYROIDISM	INTRACARDIAC TUNNELLING OF LV TO AORTA+MV INSPECTION+PFO LEFT OPEN	DR. SABARINATH MENON
69.	346619	SURESH M P	37	M	16-Dec-2013	RHD,SEV AS,MOD AR,SEV MS,MILD MR,GDLV,SR,PAROXYSMAL AF	DVR(MVR #25 CHVP WITH PMLP+AVR # 21CHVP)	DR. PRAVEEN VARMA P.K.
70.	360997	BASHEER.A	52	M	17-Dec-2013	RHD,MOD MR,MOD MS,MOD AR,MOD AS,GDLV,SR,NC,DM,HYPOTHYROIDISM	DVR(MVR # 27 CHVP+PMLP, AVR # 19 CHVP)	DR. VIVEK V. PILLAI
71.	364771	SAHAYADAS S	69	M	18-Dec-2013	CAD,LMCA,TVD,GDLV,SR,DM,DLP,RIGHT ICA STENOSIS	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,MAJ OM,LPDA)	DR. JAYAKUMAR K
72.	325408	STEEPHAN T.	62	M	20-Dec-2013	BAV,SEV CAL AS,CAD,SVD,MOD MR,MOD LVD,SR,DM	AVR# 23 CHVP+MV ANNULOPLASTY #28 SADDLE RING+CABG X 1 GRAFT(RSVG TO RPLB)	DR. PRAVEEN VARMA P.K.
73.	371115	PARTHASARATHY C	72	M	03-Jan-2014	CAD,LMCA,DVD,GDLV,SR,DM,HTN	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM,TER OM,LPDA)	DR. JAYAKUMAR K
74.	372541	KALADHARAN N.	63	M	06-Jan-2014	BAV,SEV CAL AS,MILD AR,MILD TO MOD MR,GDLV,SR,LBBB	AVR#21 PM	DR. VIVEK V. PILLAI
75.	370561	AJAYAKUMAR K	48	M	06-Jan-2014	CAD,TVD,GDLV,SR,DM	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO MAJ D,MAJ OM, PDA,PLB)	DR. JAYAKUMAR K
76.	370293	KRISHNA DAS R	42	M	08-Jan-2014	CAD, DVD, S/P PCI TO LAD, GOOD LV, SR, DM, HTN, DLP	CABG X 2 GRAFTS( LIMA TO LAD,RSVG TO RI)	DR. JAYAKUMAR K
77.	292148	ANTONY BINU K	38	M	17-Jan-2014	CAD, TVD, S/P PCI TO LAD, SEV LVD, SR	CABG X 5 GRAFTS( LIMA TO LAD,RSVG TO D1,OM1,OM3,RPDA)	DR. VIVEK V. PILLAI
78.	354184	MEENA V	46	F	20-Jan-2014	ACHD,OP ASD,CLEFT AML,MOD MR,MOD PAH,GDLV,SR,NC	PAVCD REPAIR(BOVINE PERICARDIAL PATCH CLOSURE OF OP ASD+CLEFT AML REPAIR)	DR. VIVEK V. PILLAI
79.	365943	MUHAMMED KUTTY K.	54	M	20-Jan-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP,COPD,POVD,LEFT CCA STENOSIS	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO MAJ OM, RPDA)	DR. PRAVEEN VARMA P.K.
80.	371661	SAINUDEEN M.	61	M	22-Jan-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABGX 5 GRAFTS(LIMA TO LAD,RSVG TO D2,BOTH BR OF RI,RPDA)	DR. JAYAKUMAR K
81.	366700	MANOJ K	41	M	22-Jan-2014	RHD,S/P IE SEQUAE,SEV MR,MILD PAH,MOD LVD,SR,NC	MVR # 27CHVP+ PMLP+ TPP CLOSURE OF OSASD	DR. VARGHESE T.PANICKER
82.	372271	PETER J.	63	M	24-Jan-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,TER OM,PDA)	DR. JAYAKUMAR K
83.	352152	NASEERA C.P.	46	F	06-Feb-	RHD,S/P CMV,SEV RE MS,MILD MR,MOD AS,MILD AR,MILD	DVR(MVR #25 CHVP+PMLP+AVR #17	DR. PRAVEEN

					2014	TR,MOD PAH,CAD,DVD,GDLV,SR,HTN	SJR)+ AORTOPLASTY+ CABG X 2 GRAFTS(RSVG TO OM1 & PDA)	VARMA P.K.
84.	365227	RAJENDRAN .B	57	M	11-Feb-2014	CAD,OLD IWMI,TVD,MOD LVD,SR,DM,HTN	CABG X4 GRAFTS(LIMA TO LAD,RSVG TO D1,PDA,PLB),PDA PIGGYBACKED TO PLB	DR. VIVEK V. PILLAI
85.	364141	MURALIDHARAN R	62	M	25-Feb-2014	CAD,TVD,FAIR LV,SR,DM,HTN,	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO MAJ DIAG,MAJ OM,AMPDA)	DR. JAYAKUMAR K
86.	370724	NAGAMMA	62	F	26-Feb-2014	CAD,TVD,MOD MR,MOD LVD,SR,DM,HTN,DLP,OSTEOARTHRITIS	CABGX 5 GR(LIMA TO PROX LAD,RSVG TO DISTAL LAD,D1,MAJ OM,DISTAL RCA) RSVG OF DISTAL LAD WAS PIGGYBACKED TO RSVG OF D1 + MVA WITH # 25 TAYLOR RING	DR. JAYAKUMAR K
87.	9904114	SHYLA.O.	41	F	28-Feb-2014	RHD,S/P BMV,SEV RE MS,MILD PAH,LA CLOT,FAIR LV,AF,NC	MVR #23 CHVP +PMLP +LAA EXCLUSION	DR. VARGHESE T.PANICKER
88.	338498	SOMAN S	52	M	28-Feb-2014	RHD,S/P CMV,SEV RE MS,MOD TR,MOD PAH,FAIR LV,AF,NC	MVR#29 CHVP+PMLP+LA CLOT REMOVAL+TVA #30 MC RING	DR. PRAVEEN VARMA P.K.
89.	368143	VELLASAMY S	62	M	03-Mar-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 3 GR(LIMA TO LAD,RSVG TO TER OM,RPDA)	DR. PRAVEEN VARMA P.K.
90.	368419	PALANIKUMAR M	46	M	04-Mar-2014	CAD,TVD,GDLV,SR,DM	CABG X 5 GR(LIMA TO LAD,RSVG TO D1,OM1,OM2,RPDA)	DR. JAYAKUMAR K
91.	373665	RAVIKUMAR B.	62	M	06-Mar-2014	CAD,TVD,GDLV,SR,DM,GOITRE	CABG X 4 GR(LIMA TO LAD,RSVG TO RI,RPDA,RPLB)	DR. PRAVEEN VARMA P.K.
92.	367504	VIJAYA KURUP N.R.	57	M	07-Mar-2014	CAD,TVD,OLD IWMI,GDLV,SR	CABGX 4 GR(LIMA TO LAD,RSVG TO D1,OM1,PDA)	DR. PRAVEEN VARMA P.K.
93.	368586	PADMANABHA PILLAI	48	M	10-Mar-2014	CAD,TVD,GDLV,SR,HTN	CABG X 4 GR(LIMA TO LAD,RSVG TO D1,RI,RPDA)	DR. VIVEK V. PILLAI
94.	368510	SADIQUE S	48	M	10-Mar-2014	CAD,TVD,OLD IWMI,S/P PCI TO RCA,GDLV,SR	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO OM1,OM2)	DR. JAYAKUMAR K
95.	374971	NAZARUDEEN A	54	M	11-Mar-2014	CAD,DVD,GDLV,SR,DM,HTN,DLP	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO D2,OM3)	DR. JAYAKUMAR K
96.	367131	MONI .K	74	M	12-Mar-2014	CAD,TVD,OLD IWMI,GDLV,SR,CHRONIC CAL CHOLECYSTITIS,BPH S/P TURP,VARICOSEVEINS	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,OM1,TER OM,RPDA)	DR. JAYAKUMAR K
97.	370534	JAYALAKSHMY .S	51	F	12-Mar-2014	CAD,S/P CABG,SSI OF MEDIASTINAL WOUND,DM,HTN	WOUND DEBRIDEMENT+ STERNAL WIRE REMOVAL	DR. BINEESH K.R.
98.	364078	AMMINI P K	57	F	17-Mar-2014	ACHD,SVASD,PAPVC OF RUPV &RMPV,SEV PAH,GDLV,SR	ASD CLOSURE & PAPVC REROUTING BY DOUBLE PATCH TECHNIQUE+ DIRECT CLOSURE OF PFO	DR. BINEESH K.R.

99.	368349	ABDUL RAZAK M	51	M	17-Mar-2014	CAD,TVD,OLD IWMI,MOD LVD,SR,HTN,DLP	CABG X 4 GR(LIMA TO LAD,RSVG TO D1,TER OM,RPDA)	DR. JAYAKUMAR K
100.	372550	GIRILAL S.	50	M	19-Mar-2014	CAD,TVD,OLD IWMI,DDL,SR,DM,HTN,DLP	CABGX 6 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,MAJ OM,RPDA,RPLB)	DR. JAYAKUMAR K
101.	375148	SASIDHARAN NAIR K	62	M	20-Mar-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP,OLD PULMONARY TB	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,MAJ OM,PRECRUX RCA)	DR. JAYAKUMAR K
102.	368872	PANKAJAKSHAN NAIR R	58	M	24-Mar-2014	CAD,TVD,GDLV,SR,HTN,LEFT HYDROCELE	CABGX 6 GR(LIMA TO LAD,RSVG TO D1,OM1,OM2,RPDA,RPLB)	DR. JAYAKUMAR K
103.	369266	DEVAN K	60	M	26-Mar-2014	CAD,LMCA,TVD,MILD LVD,LV ANEURYSM,SR,HTN	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO RI,DISTAL RCA) +LINEAR PPLICATION OF LV	DR. PRAVEEN VARMA P.K.
104.	374011	SILVAMMA P	43	F	02-Apr-2014	CAD,LMCA,TVD,GDLV,SR,DM,HTN,DLP	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO OM2,RPDA)	DR. PRAVEEN VARMA P.K.
105.	368344	GOPAKUMAR K	57	M	03-Apr-2014	CAD,TVD,GDLV,SR,DM	CABG X 6 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,MAJ OM,RPDA,RPLB)	DR. JAYAKUMAR K
106.	346771	VINCENT P	51	M	07-Apr-2014	RHD,SEV CAL MS,SEV PAH,GDLV, AF, NC, PVOD, RT RENAL ART STENOSIS,OLD CVA	MVR # 25CHVP +PMLP	DR. PRAVEEN VARMA P.K.
107.	295104	SUKUMARAN K	56	M	07-Apr-2014	CAD OLD IWMI LMCA TVD GDLV SR HTN DLP	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM,RPDA)	DR. PRAVEEN VARMA P.K.
108.	359154	ABDUL LATHEEF H.	66	M	09-Apr-2014	CAD,LMCA,TVD,FAIR LV, SR, HTN, DLP	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,OM2,RPDA)	DR. VIVEK V. PILLAI
109.	374735	JOHN K.J	68	M	11-Apr-2014	CAD,TVD, OLD IWMI,SEV LVD, SR,DM, HTN, DLP,INNOMINATE ARTERY ANEURYSM,POVD, CA PROSTRATE,RENAL DYSFUNCTION	CABG X 6 GRAFTS(LIMA TO LAD,RSVG TO LAD,OM1,TER OM,DISTAL RCA,AM)RSVG OF LAD PIGGYBACKED TO OM1& RSVG OF AM PIGGYBACKED TO DISTAL RCA + INNOMINARE ARTERY ANEURYSM WRAPPING	DR. VIVEK V. PILLAI
110.	375721	SIVANI K	64	F	14-Apr-2014	CAD LMCA TVD GDLV SR HTN HYPOTHYROIDISM LEFT ICA STENOSIS	CABG X 4 GRAFT ( LIMA - LAD, RVSG - D1, MAJ OM, RPDA, RVSG OF D1 PIGGYBACKED TO MAJ OM)	DR. VIVEK V. PILLAI
111.	348153	RAPHEL J.	71	M	16-Apr-2014	CAD,SVD,SEV CAL AS,GD LV,SR,HTN,CA THYROID S/P THYROIDECTOMY,BPH S/P TURP,OLD CVA	AVR # 21PM+ CABG X 2 GRAFTS(RSVG TO LAD,D1)	DR. VARGHESE T.PANICKER
112.	377485	RAVEENDRAN ASARI C	58	M	21-Apr-2014	CAD,LMCA,TVD,GDLV,SR,HTN,DLP,BR.ASTHMA	CABG X 5 GR(LIMA TO LAD,RSVG TO D1,MAJ OM,RPDA,RPLB)	DR. VIVEK V. PILLAI
113.	376990	SUKUMARAN NAIR V	69	M	22-Apr-2014	CAD,LMCA,TVD,GDLV,SR,DM,HTN	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,MAJ OM,RPDA)	DR. JAYAKUMAR K

114.	370509	VALSALA D	54	F	23-Apr-2014	CAD,LMCA,TVD,GDLV,SR,DM,HTN,DLP	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1, OM1,RPDA,RPLB)	DR. JAYAKUMAR K
115.	370147	ALPHONSIA ALEX	63	F	23-Apr-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS (LIMA TO LAD,RSVG TO D2,TER OM,DISTAL RCA)RSVG OF D2 PIGGYBACKED TO TER OM GRAFT	DR. JAYAKUMAR K
116.	373151	SYAMALA BABU	53	F	24-Apr-2014	CAD,TVD,MOD LVD,SR,DM	CABG X 5 GRAFTS(LIMA TO LAD,D1,D2,RPDA,RPLB)	DR. JAYAKUMAR K
117.	349529	VANATHI U.	27	F	24-Apr-2014	ACHD, OS ASD, MILD PAH, GD LV, SR	DIRECT CLOSURE OF OS ASD	DR. MRITHYUNJAYA V KALMATH
118.	356171	ASAM BEEVI.A	57	F	28-Apr-2014	RHD, S/P CMV RE-MS, MILD MR, SEV CALCIFIC AS, MOD AR, SEVERE TR, SEV PAH, GDLV, AF	DVR ( MVR # 23CHVP WITH PMLP + AVR # 17 CHVP ) + TVA # 28MM MC3 RING	DR. VARGHESE T.PANICKER
119.	370369	GEETHA N	43	F	30-Apr-2014	MVP,SEV MR,OSASD,MILD CAD,MILD-MOD PAH,GDLV,SR	MV REPAIR(QUADRANGULAR RESECTION OF P2+ NEOCHORDAE TO P2+ #27 TAYLOR RING) + DIRECT CLOSURE OF OSASD	DR. VARGHESE T.PANICKER
120.	323575	PUSHPA LEELI. C	51	F	30-Apr-2014	SEV CAL AS,MOD AR,GDLV,SR,NC,BRONCHIAL ASTHMA	AVR#19 CHVP	DR. VARGHESE T.PANICKER
121.	370459	THANKAMONI .G	59	F	02-May-2014	CAD,LMCA,TVD,GDLV,SR,DM	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO OM1,RPDA)	DR. PRAVEEN VARMA P.K.
122.	339253	HASHIM .U	50	M	05-May-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D2,TER OM,RPDA,PRECRUX RCA)	DR. JAYAKUMAR K
123.	374264	PRADEEP KUMAR T	49	M	06-May-2014	MVP,SEV MR,SEV CALCIFIC MITRAL ANNULUS,GDLV,SR,NC,AVNRT(ABLATED)	MV REPAIR(P1P2 CLEFT REPAIR+ # 31TAILOR RING ANNULOPLASTY)	DR. PRAVEEN VARMA P.K.
124.	370505	SARADA C S	59	F	06-May-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 3 GRAFTS(LIMA TO LAD,RSVG TO MAJ OM,RPDA)	DR. PRAVEEN VARMA P.K.
125.	202042	PURUSHOTHAMAN O.	58	M	07-May-2014	CAD,LMCA,TVD,GDLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM, DISTAL RCA)	DR. VIVEK V. PILLAI
126.	358194	SREEDEVI L.	40	F	09-May-2014	CAD,SVD,GDLV,SR,HTN	OP-CABG X 2 GRAFTS(LIMA TO LAD,RSVG TO D1)	DR. JAYAKUMAR K
127.	378292	SUBA K	32	F	11-May-2014	IE OF MV,SEV MR,SEV PAH,GOOD LV,RV DYSFUNCTION,SR,S/P RIGHT FEMORAL EMBOLLECTOMY	MVR# 25 CHVP+ PMLP+ LAPOROTOMY AND SPLENECTOMY	DR. VIVEK V. PILLAI
128.	369239	LEELA U U	67	F	13-May-2014	SEV CAL AS,MILD AR,GDLV,SR,NC,DM	NICKS AORTIC ROOT ENLARGEMENT+ AVR #19 PM	DR. VARGHESE T.PANICKER
129.	242869	KABIR MOHAMED M.	68	M	13-May-2014	CAD,LMCA,TVD,GDLV,SR,DLP	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,OM1,RPDA)	DR. JAYAKUMAR K

130.	365575	SANTHA K.	60	F	15-May-2014	CAD,TVD,GDLV,SR,DM,HTN	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,RPDA,RPLB)	DR. JAYAKUMAR K
131.	378148	ALICE JACOB	73	F	17-May-2014	SEV CAL AS,MILD AR,CAD,SVD,GDLV,SR,H/O AF	AVR # 17CHVP+ CABG X 1 GRAFTS(RSVG TO RPDA)	DR. VIVEK V. PILLAI
132.	375583	GEETHANANDAN P.	60	M	19-May-2014	ANNULOARTIC ECTASIA,SEV AR,CAD,SVD,GDLV,SR,DM,HTN,DLP	MODIFIED BENTALLS PROCEDURE(AVR #27 CHVP+ 28MM ALBOGRAFT) + CABG X 2 GRAFTS(LIMA TO LAD,RSVG TO D1)	DR. JAYAKUMAR K
133.	378515	RASHEED K M	69	M	20-May-2014	CAD,TVD,SEV MR,SEV LVD,SR,DM,HTN,DLP,NEPHROPATHY	CABG X 5 GRAFTS(LIMA TO LAD,RSVG TO D1,SUP & INF BRANCH OF OM,RPDA) + MVR # 25PM WITH TOTAL CHORDAL PRESERVATION	DR. JAYAKUMAR K
134.	371314	NAZEER N.	46	M	21-May-2014	CAD,TVD,MOD LVD,SR	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM,RPDA)	DR. VIVEK V. PILLAI
135.	375359	GOPI D	58	M	21-May-2014	CAD,TVD,MILD MR,MOD LVD,SR,DM,DLP	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM,RPDA)	DR. JAYAKUMAR K
136.	374929	MANIYAMMA.S	61	F	22-May-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM,RPDA)	DR. JAYAKUMAR K
137.	361192	PRABHAVATHY.K	66	F	26-May-2014	SEV CAL AS,CAD,DVD,OLD AWTMI,GDLV,SR,DM,DLP,HYPOTHYROIDISM	AVR# 19 PM+ CABG X 2 GRAFTS(RSVG TO LAD,MAJ OM,OM GRAFT PIGGYBACKED TO RSVG OF LAD)+ AORTOPLASTY WITH BPP	DR. VARGHESE T.PANICKER
138.	372156	SUNDAR RAJAN R.	63	M	26-May-2014	CAD,TVD,GDLV,SR,PARKINSONISM	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,OM2,DISTAL RCA)	DR. JAYAKUMAR K
139.	370502	JANARDANA SHARMA D	55	M	27-May-2014	CAD,TVD,FAIR LV,SR,DM,HTN	CABG X 4 GRAFTS(LIMA TO LAD,RSVG TO D1,MAJ OM,RPDA)	DR. JAYAKUMAR K
140.	370954	VAISHNAV M	17	M	28-May-2014	ACHD,OS ASD,MILD PAH,GDLV,SR	TPP CLOSURE OF OS ASD	DR. VARGHESE T.PANICKER
141.	369995	CHITHIRAI PUTHARAN P	37	M	29-May-2014	CAD,SVD,GDLV,SR	OP-CABG X 2 GRAFTS(LIMA-LAD,RSVG TO D1)	DR. JAYAKUMAR K
142.	378029	KAMALAM K	67	F	30-May-2014	RHD, SEV MR, MOD PAH, WIDE QRS TACHYCARDIA, NC, DM, HTN	MVR # 25 PM + PMLP	DR. VARGHESE T.PANICKER
143.	372477	RAJASEKHARAN NAIR V.	55	M	30-May-2014	CAD,TVD,GDLV,SR,DM	CABGX 6 GRAFTS(LIMA TO LAD,RSVG TO D1,RI,OM2,RPDA,RPLB)	DR. VIVEK V. PILLAI
144.	379788	ANTO ARUN	0	M	02-Jun-2014	CCHD,TA, D-TGA, HYPOPLASTIC ASC AORTA & AORTIC ARCH, SEV POST-SCA COA, PDA, RESTRICTIVE VSD, SR	NORWOOD STAGE I (# 3.5MM PTFE RMBTS + ARCH RECONSTRUCTION WITH BPP + ANASTOMOSIS OF RECONSTRUCTED ASC. AORTA & PA TO	DR. BAIJU S.DHARAN

							PROXIMAL ARCH + ATRIAL SEPTECTOMY + PULMONARY VALVE ANNULOPLASTY)	
145.	345480	KRISH P S	5	M	05-Jun-2014	CCHD, SITUS AMBIGUS, LEVOCARDIA, LEFT ATRIAL ISOMERISM, NON OBSTRUCTIVE CORTRIATRIATUM, ,SV(LV),COMMON AVV WITH MODERATE AVVR, L SVC, INTERRUPTED IVC, PDA, SR	KAWASHIMA PROCEDURE+ AVVR REPAIR( CLEFT REPAIR + COMMISSUROPLASTY + REDUCTION ANNULOPLASTY ) RACHS 4	DR. BAIJU S.DHARAN
146.	351070	FATHIMA K.V	2	M	10-Jun-2014	CCHD,PA,IVS,EBSTENOID TV,SEV TR,ASD,FAIR RV,SR,S/P PDA STENTING	BDG,TV REPAIR(WITH ANNULOPLASTY)+ASD ENLARGEMENT+RVOT PERFORATION+RIGHT REDUCTION ATRIOPLASTY(MERCEDES-BENZ ATRIOPLASTY)+PDA INTERRUPTION	DR. BAIJU S.DHARAN
147.	336927	MUNISHWARI M.	18	F	10-Jun-2014	SP/ICR FOR TOF WITH SSI(MRSA+)	DEBRIDEMENT AND RESUTURING OF STERNOTOMY WOUND	DR. ASHOK KUMAR C J
148.	351070	FATHIMA K.V	2	M	12-Jun-2014	SP/BDG+TVREPAIR+ASD ENLARGEMENT+RVOT PERFORATION FOR PA,IVS,EBSTINOID TV,SEV TR	REDOSTERNOTOMY + BPP CLOSURE OF TV WITH 4MM FENESTRATION	DR. BAIJU S.DHARAN
149.	320573	GOWRI NANDANA S	3	F	13-Jun-2014	CCHD,PA,SA VSD,CONF PA,MAPCAS,SR	UNIFOCALIZATION OF MAPCA'S + ICR (GORTEX PATCH CLOSURE OF SA VSD+ #23 PULMONARY HOMOGRAFT FOR RV- PA + RPA AUGMENTATION WITH HOMOGRAFT PATCH)	DR. BAIJU S.DHARAN
150.	351593	AKSHAY LAL S S	1	M	16-Jun-2014	CCHD,TOF,GOOD PA,B/L SVC,SR	ICR(GORTEX PATCH CLOSURE OF SA VSD+ INFUNDIBULAR RESECTION)	DR. SABARINATH MENON
151.	372636	ANCYA C B	0	F	17-Jun-2014	CCHD,D TGA,SPVSD,SEV PS,GOOD PA,SMALL ASD,PDA,SR	BDG+ ATRIAL SEPTECTOMY	DR. SABARINATH MENON
152.	380501	B/O JOBEENA	0	M	19-Jun-2014	PA,VSD,GOOD PA,PDA,SR,NC	RMBTS #3 MM PTFE GRAFT	DR. BAIJU S.DHARAN
153.	380501	B/O JOBEENA	0	M	20-Jun-2014		DSC	DR. SABARINATH MENON
154.	375882	KANITHA I	10	F	20-Jun-2014	ACHD,OS ASD,MILD PAH,SR	PP CLOSURE OF OS ASD	DR. REENUS DEMEL X
155.	375102	SARAN KRISHNA	0	M	23-Jun-2014	CCHD, IC-TAPVC, PA WITH RPA & LPA ORIGIN STENOSIS, SV(LV), LARGE PDA, OSASD, MAPCAS, B/L SVC, SR, NC WITH HIATUS HERNIA	B/L BDGS+ IC TAPVC REPAIR ( PRIMARY SUTURELESS TECHNIQUE )	DR. BAIJU S.DHARAN

156.	356170	CRISPIN JOSE	2	M	24-Jun-2014	CCHD,TOF,ABSENT LPA, APCOLLATERAL CONTINUES AS LPA,NC,SR	UNIFOCALIZATION OF AP COLLATERAL + ICR(GORTEX PATCH CLOSURE OF SA VSD + TAP+ MONOCUSP RECONSTRUCTION OF RVOT + TPP RECONSTRUCTION OF LPA)	DR. BAIJU S.DHARAN
157.	343859	HASEEB V P	11	M	03-Jul-2014	ACHD,MALALIGNED POSTERIOR ASD,IVC DRAINING INTO LA,GDLV,SR	TPP CLOSURE OF ASD+ REROUTING OF IVC TO RA	DR. SABARINATH MENON
158.	364975	AIDEN VARGHESE	0	M	04-Jul-2014	CCHD, PA,VSD, SMALL CALIBRE LPA &RPA( HYPOPLASTIC RPA ), PAD, S/P PDA STENT, NC, SR	ICR(GORTEX PATCH CLOSURE OF SAVSD + RV TO PA CONDUIT # 19 AORTIC HOMOGRAFT) + RPA & LPA PLASTY BY TPP + PDA INTERRUPTION	DR. BAIJU S.DHARAN
159.	318378	AMALSHA.A	13	M	07-Jul-2014	ACHD,SAVSD,RCC PROLAPSE,MOD AR,GDLV,SR	DIRECT CLOSURE OF SAVSD+AV REPAIR(TRIANGULAR PLICATION OF RCC+ ANNULOPLASTY)	DR. THOMAS MATHEW
160.	341530	HANNA RAJAN	2	F	08-Jul-2014	CCHD,TOF,LPA ORIGIN STENOSIS,B/L SVC,PDA,SR,NC	ICR(GORTEX PATCH CLOSURE OF SA VSD+ INFUNDIBULAR RESECTION+ MONOCUSP RECONSTRUCTION OF RVOT+ TAP) LPA PLASTY WITH BPP+ PDA INTERRUPTION	DR. SABARINATH MENON
161.	351078	SREEPARVANA M.	3	F	09-Jul-2014			DR. SABARINATH MENON
162.	367396	SAMIHA BEEVI .S	0	F	09-Jul-2014	CCHD,D-TGA,MULTIPLE VSIDS, HYPOPLASTIC TV,SUPRASYSTEMIC PAH,JUXTRAPOSED ATRIAL APPENDAGE, LARGE ASD,SR,NC	PA BANDING # 28MM + ATRIAL SEPTECTOMY	DR. BAIJU S.DHARAN
163.	355031	MEENUKUTTY SURESH	1	F	10-Jul-2014	CCHD,SI,DC,SV(RV),DIRV,DORV,SV(RV),PA,PDA,OS ASD,NC,SR	BDG+ ATRIAL SEPTECTOMY+ PDA INTERRUPTION	DR. THOMAS MATHEW
164.	369154	DHYAN SREEYA A	2	F	11-Jul-2014	ACHD,SVASD,PAPVC,DGLV,SR	WARDENS PROCEDURE	DR. SABARINATH MENON
165.	380962	B/O SUNEERA	0	M	15-Jul-2014	CCHD,D-TGA,IVS,ASD,PDA,REGRESSING LV,SR,S/P BAS	ARTERIAL SWITCH OPERATION	DR. THOMAS MATHEW
166.	9305506	VIJAYALAKSMI.S B	37	F	17-Jul-2014	CCHD,TOF,GOOD PA,MAPCA'S,NC,SR	ICR(GORTEX PATCH CLOSURE OF SA VSD+ INFUNDIBULAR RESECTION) + RVOT PATCH	DR. THOMAS MATHEW
167.	317288	ASHOK KUMAR R T	23	M	22-Jul-	CCHD,TOF,GOOD PA,INTERRUPTED IVC (AZYGOUS	ICR(GORTEX PATCH CLOSURE OF SA-	DR.

					2014	EXTENSION),MAPCAS,S/P MAPCA COILING,SR,NC,SOLITARY KIDNEY	VSD+ INFUNDIBULAR RESECTION)+ RVOT PATCH + PFO LEFT OPEN	SABARINATH MENON
168.	382351	B/O BEENA	0	M	24-Jul-2014	HLHS,LEFT ATRIAL ISOMERISM,DORV,COMMON ATRIUM,SR	NORWOOD STAGE I (# 3.5MM PTFE RMBTS + ARCH RECONSTRUCTION WITH BPP + ANASTOMOSIS OF RECONSTRUCTED ASC. AORTA & PA TO PROXIMAL ARCH + ATRIAL SEPTECTOMY + TRICUSPID VALVE ANNULOPLASTY)	DR. BAIJU S.DHARAN
169.	336812	DHEEPANRAJ B	4	M	25-Jul-2014	CCHD,TOF,CONF PA,SR,NC	ICR(GORTEX PATCH CLOSURE OF SA-VSD+ INFUNDIBULAR RESECTION) + TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. SABARINATH MENON
170.	382581	B/O SANOOJA	0	F	28-Jul-2014	ACHD,CONGENITAL CHB,PDA,ASD,MILD LVD.	PPI IMPLANTATION	DR. SABARINATH MENON
171.	377169	MARESH S	0	M	29-Jul-2014	ACHD, PV STENOSIS,SA VSD,OSASD,MILD PS, SEV PAH,SR	PV PLASTY+ TPP CLOSURE OF ASD& VSD+ INFUNDIBULAR RESECTION	DR. THOMAS MATHEW
172.	345353	MUHSINA N N	2	F	31-Jul-2014	CCHD,TOF,GOOD PA,SR,NC	ICR(GORTEX PATCH CLOSURE OF SA-VSD + INFUNDIBULAR RESECTION)+ TAP	DR. THOMAS MATHEW
173.	374911	SYED MUHAMMED SHAJAHAN	57	M	01-Aug-2014	CAD,TVD,GDLV,SR,DM	CABG X 4 GRAFTS (LIMA -LAD,RSVG TO D1,OM1,RPDA)	DR. VIVEK V. PILLAI
174.	376008	BINDHU SAJI	40	F	01-Aug-2014	RHD,SEV MS,MILD MR,MOD AR,MILD AS,MILD PAH,GDLV,SR,OLD CVA,POLIO WITH RESIDUAL DEFECIT	DVR(MVR #27 CHVP+ PMLP+ AVR # 17 CHVP) + LAA EXCLUSION	DR. VIVEK V. PILLAI
175.	374738	JAMEELA BEEVI.A	65	F	04-Aug-2014	CAD,TVD,GDLV,SR,HTN	CABG X 3 GRAFTS(LIMA-LAD,RSVG-MAJ OM,DISTAL RCA)	DR. PRAVEEN VARMA P.K.
176.	351554	MANOHARAN K	76	M	05-Aug-2014	CAD,TVD,GDLV,SR,HTN,DLP	CABG X 4 GRAFTS(LIMA-LAD,RSVG TO OM1,OM2,AC.MARGINAL)	DR. JAYAKUMAR K
177.	382580	SARASAMMA N	70	F	06-Aug-2014	CAD,TVD,RECENT AWWMI,MOD LVD,SR,DM,HTN.	CABG X 4 GRAFTS(LIMA -LAD,RSVG TO D1,MAJ OM,DISTAL RCA)	DR. PRAVEEN VARMA P.K.
178.	382110	MADHAVAN PILLAI P.	63	M	07-Aug-2014	CAD,TVD,REC AWWMI,MILD LVD,SR,DM,HTN	CABG X 4 GRAFTS(LIMA -LAD, RSVG TO D1, MAJ OM,RPLB)	DR. JAYAKUMAR K
179.	358100	BABY G	73	M	08-Aug-2014	CAD,TVD,OLD IWMI,GDLV,,SR,DM,HTN,PVOD,LT COMMON ILIAC STENOSIS S/P PTA.	CABG X 5 GRAFTS(LIMA -MID LAD,RSVG-D1,RI,PLB AND DISTAL LAD)	DR. VIVEK V. PILLAI
180.	374496	NANU K	57	M	11-Aug-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP,COPD	ON PUMP BEATING HEART CABG X 3 GRAFTS(LIMA-LAD,RSVG-OM1,RPDA)	DR. JAYAKUMAR K
181.	375821	UNNEENKUTTY	60	M	11-Aug-2014	CAD,OLD IWMI,TVD,GDLV,SR,DM,HTN,DLP,COPD	CABG X 4 GRAFTS(LIMA-LAD,RSVG- D1, MAJ OM, RPLB)	DR. JAYAKUMAR K

182.	380387	POOKUNJU A	74	M	12-Aug-2014	CAD,TVD,GDLV,SR,DLP	CABG X 4 GRAFTS(LIMA-LAD,RSVG-OM1,OM2,PRECRUX RCA)	DR. JAYAKUMAR K
183.	380552	RADHAMANY B	60	F	13-Aug-2014	CAD,TVD,GDLV,SR,DM,HTN,PVOD	CABG X 5 GRAFTS(LIMA -DISTAL LAD,RSVG-D1,OM1,TER OM,RPDA)	DR. JAYAKUMAR K
184.	382710	DHARMA RAJ C.	61	M	14-Aug-2014	CAD,OLD IWMI,LMCA,TVD,MOD LVD,SR,DLP	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,D2,OM1,RPDA)	DR. VIVEK V. PILLAI
185.	328267	SANKAR R.	35	M	14-Aug-2014	UAV, SEV CAL AS, MILD AR, GOOD LV, SR	AVR # 21 CHVP + AORTOPLASTY	DR. VARGHESE T.PANICKER
186.	380858	GOPINATHAN NAIR K	68	M	18-Aug-2014	CAD,TVD,GDLV,SR,COPD,DEFECT IN THE ANTERIOR DIAPHRAGM	CABG X 6 GRAFTS(LIMA-LAD,RSVG-MAJD,OM1,OM2,OM3,RPDA) + CLOSURE OF THE DIAPHRAGMATIC DEFECT	DR. JAYAKUMAR K
187.	222947	SAVITHRI.V	30	F	19-Aug-2014	RHD,S/P MV REPAIR(2004),SEV MR,MILD AR,MILD PAH,GDLV,AF	REDOSTERNOTOMY +MVR # 25CHVP +PMLP	DR. PRAVEEN VARMA P.K.
188.	373987	NOUSHAD M C	32	M	21-Aug-2014	RHD, SEV AR,SEV CAL AS,MOD MS,GDLV,SR,HTN	DVR(AVR # 27CHVP+ MVR# 27CHVP+PMLP)	DR. PRAVEEN VARMA P.K.
189.	278084	LAILA P.M.	52	F	21-Aug-2014	RHD,SEV CAL MS,MOD MR,MILD PAH,GDLV,SR,NC,HTN	MVR # 25 CHVP+ PMLP	DR. VARGHESE T.PANICKER
190.	376024	SREEKUMARI.R	61	F	22-Aug-2014	CAD,TVD,GDLV,SR,DM,DLP,HYPOTHYROIDISM	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,OM1,OM3,RPDA)	DR. JAYAKUMAR K
191.	380946	PARAMESWARAN PILLAI G	72	M	25-Aug-2014	CAD,TVD,GDLV,MILD MR,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA-LAD,RSVG-D1,MAJ OM,DISTAL RCA)	DR. VIVEK V. PILLAI
192.	381982	PUSHKARAN M.	62	M	25-Aug-2014	CAD,TVD,GDLV,SR,DM	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,OM1,OM3,RPDA)	DR. JAYAKUMAR K
193.	202627	YESUDASAN Y.	62	M	26-Aug-2014	SEV CAL AS,MILD AR, MILD CAD,GDLV,SR,DM	AVR # 19 PM	DR. VARGHESE T.PANICKER
194.	377002	ABDUL LATHEEF S	62	M	26-Aug-2014	CAD,SVD,GDLV,SR,DM	OP-CABG X 1 GRAFT(LIMA-LAD)	DR. JAYAKUMAR K
195.	376745	ABOBACKER V	45	M	27-Aug-2014	CAD,TVD,OLD AWWMI,GDLV,SR	CABG X 5GRAFTS(LIMA-LAD,RSVG-MAJ D,OM1,OM2,RPDA)	DR. VIVEK V. PILLAI
196.	380278	APPOLO U C	42	M	28-Aug-2014	CAD,TVD,GDLV,SR,HTN,DLP	CABG X 6 GRAFTS(LIMA-LAD,RSVG-D1,BOTH BRANCHES OF OM1,RPDA,RPLB) + LEFT DIAPHRAMATIC PLICATION	DR. VIVEK V. PILLAI
197.	379801	RETNAMMA P	54	F	28-Aug-2014	CAD,TVD,GDLV,SR,DM,DLP	CABG X 4 GRAFTS(LIMA-LAD,RSVG-D1,MAJ OM,RPDA)	DR. JAYAKUMAR K
198.	366168	RAJU THOMAS	66	M	01-Sep-	CAD,TVD,SEV LVD,HTN,SR,BRONCHIAL ASTHAMA	CABG X 4 GRAFTS(LIMA-LAD,RSVG-	DR.

					2014		D1,MAJ OM,DISTAL RCA) +LINEAR PPLICATION OF LV	JAYAKUMAR K
199.	383696	RAJENDRAN D.	79	M	02-Sep-2014	CAD,LMCA,TVD,RBBB,SEV LVD,DM,HTN,CA PROSTATE,PVOD	CABG X 4 GRAFTS(RSVG-LAD,OM1,TER OM,RPDA) + ENDARTRECTOMY OF RPDA(RSVG OF TER OM PIGGYBACKED TO RSVG OF RPDA)	DR. JAYAKUMAR K
200.	368071	GOMATHYAMMA G	62	F	03-Sep-2014	CAD,TVD,MOD CAL AS, MILD AR,GDLV,SR,HTN,DLP	AVR # 19 PM + CABG X 4 GRAFTS(RSVG-LAD,D1,MAJ OM,RPDA)	DR. VIVEK V. PILLAI
201.	381477	RADHAKRISHNAN P	52	M	04-Sep-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D2,OM1,RPDA,RPLB)	DR. JAYAKUMAR K
202.	379916	RAMANAN P N	70	M	05-Sep-2014	CAD,TVD,GDLV,SR,DM.HTN,DLP	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,TER OM,RPDA,RV BRANCH)	DR. JAYAKUMAR K
203.	374360	SHYLESWARAN NAIR S.	66	M	10-Sep-2014	CAD, TVD, GDLV, SR, HYPOTHYROIDISN,BR.ASTHMA, H/O CVA	CABG X 7 GRAFTS(LIMA-LAD,RSVG-D1,OM1,OM2,OM3,LPDA,AC.MARGINAL)	DR. VIVEK V. PILLAI
204.	363325	RESHMA T	14	F	10-Sep-2014	ACHD,OS ASD,MILD MR,MILD PAH,SR,S/P ATTEMPTED DEVICE CLOSURE WITH DEVICE EMBOLIZATION	DEVICE RETRIVAL + TPP CLOSURE OF OS ASD	DR. VARGHESE T.PANICKER
205.	377546	VELU M	60	M	11-Sep-2014	CAD,LMCA,TVD,GDLV, SR, DM, HTN	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,OM1,TER OM,RPDA)	DR. VIVEK V. PILLAI
206.	244120	GEETHA G.	38	F	12-Sep-2014	ACHD, SV-ASD, PAPVC,MOD PAH, SR,HYPOTHYROIDISM	TPP CLOSURE OF SV-ASD + PAPVC REROUTING VIA RIGHT LATERAL THORACOTOMY	DR. VARGHESE T.PANICKER
207.	376639	SOMASEKHARAN NAIR K	67	M	16-Sep-2014	CAD,TVD,FAIR LV,SR,DM,PVOD	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,MAJ OM,RPDA,DISTAL LAD) DISTAL LAD GRAFT WAS PIGGYBACKED TO D1 GRAFT	DR. VIVEK V. PILLAI
208.	374618	AROKIA SAMY T.	46	M	17-Sep-2014	CAD,TVD,GDLV,SR,HTN,DLP	CABG X 5 GRAFTS(LIMA- PROX LAD,RSVG-DISTAL LAD,D1,TER OM,RPDA)	DR. VIVEK V. PILLAI
209.	378011	RAJENDRAN B	60	M	18-Sep-2014	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA-PROX LAD,RSVG-DISTAL LAD,MAJ OM,RPDA)	DR. VIVEK V. PILLAI
210.	384347	RAJENDRAN K.	53	M	19-Sep-2014	CAD,TVD,GDLV,SR,DM	CABG X 6 GRAFTS(LIMA-LAD,RSVG-D1,D2,TER OM,RPDA,RPLB)	DR. JAYAKUMAR K
211.	376813	AJAYA KUMAR M.N	62	M	19-Sep-2014	CAD,TVD, FAIR LV,SR,DM	CABG X GRAFTS(LIMA-LAD,RSVG-D1,D2,MAJ OM,DISTAL RCA)	DR. JAYAKUMAR K
212.	383867	SASIDHARAN M.	65	M	19-Sep-2014	CAD,TVD,OLD AWMI,MOD MR,SEV PAH,AF	CABGX 4 GRAFTS LIMA-LAD,RSVG-OM1,D1,PDA(D1 PIGGY BACKED TO OM1, PDA ANASTOMOSED END-END TO OM	DR. JAYAKUMAR K

213.	361814	SUNDARI MADHAVAN	59	F	22-Sep-2014	CAD,DVD,GDLV,SR,DM,HTN,DLP,POLYMYOSITIS,AUTOIMMUNE HEPATITIS	CABG X 4 GRAFTS(LIMA-LAD,RSVG-D1,RI,DISTAL RCA)	DR. JAYAKUMAR K
214.	380682	ANANTHALEKSHMI K	52	F	23-Sep-2014	CAD, TVD,GDLV, SR, DM, HTN,DLP	CABGX 4 GRAFTS(LIMA-LAD,RSVG-MAJ D,MAJ OM,RPDA)	DR. JAYAKUMAR K
215.	384627	GRACIOUS JOSE S.	51	M	24-Sep-2014	CAD,TVD,REC ACS, MOD LVD, PVOD, RT.CIA OCCLUSION	CABG X 4 GRAFTS(LIMA-LAD,RSVG-MAJ D,MAJ OM,RPDA)	DR. JAYAKUMAR K
216.	375086	SANTHAMMA T.	60	F	25-Sep-2014	CAD,LMCA,TVD,GDLV,SR,DM,PVOD, HBSAG+	CABG X 4 GRAFT(LIMA-PROX LAD,RSVG-DISTAL LAD,MAJ OM,RPDA)	DR. VIVEK V. PILLAI
217.	378874	CHANDRAMOHAN B.	63	M	29-Sep-2014	CAD,TVD,GDLV,SR,DM	CABG X 4 GRAFTS(LIMA-LAD,RSVG-D1,RI,RPDA)	DR. VIVEK V. PILLAI
218.	377434	AISHA BEEVI	65	F	30-Sep-2014	CAD,TVD,GDLV,SR,DM,HTN	CABG X 4 GRAFTS(LIMA-LAD,RSVG-MAJ D,MAJ OM,RPDA)	DR. VIVEK V. PILLAI
219.	378652	NISSAMUDEEN J	39	M	30-Sep-2014	CAD,TVD,GDLV,SR,HTN	CABG X 5 GRAFTS(LIMA-LAD,RSVG-MAJ D,OM3,RPDA,RPLB)	DR. JAYAKUMAR K
220.	373700	AYYAPPAN S.	68	M	01-Oct-2014	CAD,TVD,S/P PCI RCA,,GDLV,SR,HTN,HBSAG +VE	CABG X 3 GRAFTS(RSVG-LAD,MAJ OM,RPDA)	DR. VIVEK V. PILLAI
221.	380640	SEBASTIAN K X	48	M	01-Oct-2014	CAD,TVD,GDLV,SR,HTN	CABG X 6 GRAFTS(LIMA-LAD,RSVG-D1,D2,MAJ OM,RPDA,RPLB)	DR. VIVEK V. PILLAI
222.	384024	ABDULLA K.	46	M	07-Oct-2014	CAD,LMCA,TVD,SEV LVD,SR,DM	CABG X 6 GRAFTS(LIMA-LAD,RSVG-D1,RI,TER OM,RPDA,RPLB) + ENDARTERECTOMY OF RPDA	DR. JAYAKUMAR K
223.	371067	SLOUDAMINI V	46	F	09-Oct-2014	ACHD,OS ASD,MOD TR,SEV PAH,AF,NC	TPP CLOSURE OF OSASD WITH 3MM FENESTRATION + DEVEGAS TV ANNULOPLASTY	DR. VIVEK V. PILLAI
224.	378977	JOHN ANTONY	62	M	10-Oct-2014	RHD,SEV MS, MILD MR, MOD AS, MILD AR, MOD PAH, CAD, SVD,GDLV, SR, DM	DVR(MVR# 25CHVP+ AVR# 19CHVP) + CABG X 1 GRAFT(RSVG-LAD)	DR. VIVEK V. PILLAI
225.	376544	SASIDHARAN S	61	M	14-Oct-2014	CAD,TVD,GDLV,SR	CABG X 4 GRAFTS(LIMA-LAD,RSVG-D1,MAJ OM,RPDA)	DR. VIVEK V. PILLAI
226.	377745	LILLY PATHROSE	60	F	15-Oct-2014	CAD, TVD, GDLV, SR, DM, HTN, DLP,S/P THYROIDECTOMY,S/P HYSTERECTOMY	CABG X 3 GRAFTS(LIMA-LAD,RSVG-MAJ OM,RPDA)	DR. VIVEK V. PILLAI
227.	378941	YESHODHARAN K	62	M	16-Oct-2014	CAD, TVD, GDLV, SR, DM, HTN, DLP	CABG X 3 GRAFTS(LIMA-LAD,RSVG-D1,DISTAL RCA)	DR. VIVEK V. PILLAI
228.	376094	MURALEEDHARAN R	42	M	17-Oct-2014	CAD,LMCA,TVD,MOD LVD,SR,DM	CABG X 7 GRAFTS(LIMA-LAD,RSVG-D1,D2,RI,TER OM,AM,RPDA)	DR. JAYAKUMAR K
229.	377499	THOMAS V.J	59	M	20-Oct-2014	CAD,TVD,GDLV,HTN,SR	CABG X 4 GRAFTSLIMA-LAD,RSVG-DISTAL LAD, EARLY OM,RPDA)	DR. VIVEK V. PILLAI

230.	298365	PURUSHOTHAMAN B	75	M	20-Oct-2014	BAV,SEV CAL AS,CAD,SVD,GDLV,SR,DM,HTN,DLP	AVR # 23 PM + CABG X 1 GRAFT(RSVG-RPDA)	DR. VARGHESE T.PANICKER
231.	379705	PRABHAKARAN . P.	55	M	21-Oct-2014	CAD,TVD,SEV LVD,LV APICAL ANEURYSM,SR	CABG X 3 GRAFTS(LIMA-LAD,RSVG- MAJ OM,RPDA) + LINEAR PLICATION OF LV	DR. JAYAKUMAR K
232.	384406	JOHNSON M.	55	M	27-Oct-2014	CAD,TVD,GDLV,SR,DM,HTN	CABG X 3 GRAFTS(LIMA-LAD,RSVG-MAJ OM, RPDA)	DR. VIVEK V. PILLAI
233.	375172	MARYKUTTY JOHN	62	F	27-Oct-2014	ACHD,SV ASD,S/P ASD CLOSURE(1992),RESIDUAL ASD,MVP,SEV MR/TR,MOD PAH,AF,NC	MVR#27CHVP+ DEVEGAS TV REPAIR+ DIRECT CLOSURE OF RESIDUAL ASD	DR. VIVEK V. PILLAI
234.	375945	MARIYAM P A	50	F	28-Oct-2014	BAV,SEV CAL AS,GDLV,SR,NC	AVR #17 SJR	DR. BINEESH K.R.
235.	365865	SHAJAHAN M.	52	M	28-Oct-2014	CAD,LMCA,TVD,S/P PCI -RCA,GDLV,SR,SLEEP APNOEA SYNDROME	CABG X 5 GRAFTS(LIMA-LAD,RSVG- MAJ D,RI,RPDA,RPLB)	DR. JAYAKUMAR K
236.	380756	RETNAKARAN P	63	M	30-Oct-2014	CAD,TVD,GDLV,SR,DM,HTN	CABG X 6 GRAFTS(LIMA-LAD,RSVG-MAJ D,MAJ OM,TERM OM,RPDA,RPLB)	DR. JAYAKUMAR K
237.	377697	PONNAN	47	M	31-Oct-2014	MVP,SEV MR,MOD PAH,MILD CAD,GDLV,SR	MVR # 25CHVP + PMLP	DR. BINEESH K.R.
238.	385162	B/O SAMEERA	0	F	02-Nov-2014	S/P, TRUNCUS REPAIR,STENTED STERNUM	DSC	DR. SABARINATH MENON
239.	352442	MUHAMMED SAMIL .T	3	M	03-Nov-2014	ACHD,PM VSD,PDA,MOD PAH,GDLV,SR	GORTEX PATCH CLOSURE OF PM VSD + PDA INTERRUPTION	DR. SABARINATH MENON
240.	380414	AMINA M	6	F	05-Nov-2014	ACHD, OS ASD, MILD PAH, GOOD LV, SR	DIRECT CLOSURE OF OSASD	DR. MRITHYUNJAYA V KALMATH
241.	386265	DHIYA MARFA A.	0	F	06-Nov-2014	ACHD,MULTIPLE MUSCULAR VSD,SEV PAH,SR	PA BAND # 25MM	DR. THOMAS MATHEW
242.	387324	B/O GEETHA	0	M	07-Nov-2014	ACHD, SEV COA,PDA, ASD,GDLV, SR	RESECTION AND EXTENDED END TO END ANASTOMOSIS	DR. THOMAS MATHEW
243.	386405	AYISHA M.	0	F	11-Nov-2014	ACHD,SA VSD,PDA,SEV PAH,GDLV,SR	BPP CLOSURE OF SA VSD	DR. SABARINATH MENON
244.	365988	MUKESH P.	1	M	17-Nov-2014	CCHD,TOF,GOOD PA,SR	ICR(GORTEX CLOSURE OF SA VSD +INFUNDIBULAR RESECTION) +RVOT PATCH	DR. SABARINATH MENON
245.	248871	ASHA LAKSHMI K.J.	10	F	19-Nov-2014	CCHD,TOF,FAIR PA,RPA STENOSIS,OS ASD,B/L SVC,SR,S/P BDG	ICR(GORTEX PATCH CLOSURE OF SA VSD,OS ASD + INFUNDIBULAR	DR. BAIJU S.DHARAN

							RESECTION)+ TAP+ MONOCUSP RECONSTRUCTION OF RVOT+ RPA PLASTY + RIGHT SCV TO RAA ANASTOMOSES	
246.	386048	SHIYA SHIBU	0	F	21-Nov-2014	CCHD,PA,VSD,PDA,R ARCH,B/L SVC,SR	LMBTS # 3.5MM PTFE GRAFT + PDA INTERRUPTION	DR. SABARINATH MENON
247.	355543	RISANA SAJAD	4	F	24-Nov-2014	CCHD,EBSTEIN ANAMOLY OF TV,SEV TR,PFO,GOOD BV FUNCTION,SR	CONE REPAIR OF TV+ PFO MADE RESTRICTIVE	DR. BAIJU S.DHARAN
248.	345159	RUSHDA K	6	F	25-Nov-2014	ACHD,SV ASD,PAPVC OF RUPV,MILD PAH,GD LV,SR	ASD CLOSURE BY DOUBLE PATCH TECHNIQUE + PAPVC REROUTING	DR. THOMAS MATHEW
249.	9501867	FASEELA	29	F	26-Nov-2014	CCHD,MID MUSCULAR VSD,MOD PS,PML PROLAPSE,SEV MR,PDA,GDLV,SR	ICR(GORTEX PATCH CLOSURE OF MUSCULAR VSD+ INFUNDIBULAR RESECTION+ PULMONARY VALVOTOMY)+ PDA INTERRUPTION+MV REPAIR	DR. THOMAS MATHEW
250.	360515	B/O NASARATH	1	M	28-Nov-2014	CCHD,UNBALANCED AVCD,SV(RV),SEV PS,CON PA,R ARCH,SR	BDG	DR. BAIJU S.DHARAN
251.	347232	PARAMESHWARI.S	4	F	01-Dec-2014	ACHD,OS ASD,NO PAH,SR	TPP CLOSURE OF ASD	DR. REENUS DEMEL X
252.	384989	ABHINAV T.P.	4	M	01-Dec-2014			DR. THOMAS MATHEW
253.	384216	NIDHA FATHIMA A V.	0	F	02-Dec-2014	CCHD,D-TGA,RESTRICTIVE VSD,MILD LVOTO,NC,SR,S/P BAS	ASO+ VSD CLOSURE+ LVOT RESECTION+ PFO MADE RESTRICTIVE	DR. BAIJU S.DHARAN
254.	308315	THANAPAL.M	4	M	03-Dec-2014	DORV, INLET VSD,CONF PA,GDLV,SR,S/P PA BAND	REDOSTERNOTOMY+ ICR(TUNNELING OF LV TO AORTA BY GORTEX PATCH)+ MPA PATCH	DR. BAIJU S.DHARAN
255.	386908	B/O JIMINA	0	M	04-Dec-2014	SS,LC,D-TGA,IVS,SEV PS, ASD,S/P BAS,GDLV,SR	RMBTS#3.5MM PTFE	DR. BAIJU S.DHARAN
256.	330346	MADHAV A	3	M	04-Dec-2014	CCHD,SA VSD,INFUNDIBULAR PS,GOOD PA,SR,NC	ICR(DIRECT CLOSURE OF SA VSD+ INFUNDIBULAR RESECTION)	DR. BAIJU S.DHARAN
257.	374629	AAKSHITH.R.S.	0	M	05-Dec-2014	CCHD,TOF,GOOD PA,PDA,NC,SR	ICR(GORTEX PATCH CLOSURE OF SA VSD+ INFUNDIBULAR RESECTION) + RVOT PATCH+ MPA PATCH+ PDA INTERRUPTION	DR. THOMAS MATHEW
258.	376585	JALESH J	2	M	08-Dec-2014	ACHD,PM VSD,MILD PAH,GDLV,SR	GORTEX PATCH CLOSURE OF PM VSD + PV INSPECTION + PFO LEFT OPEN	DR. SABARINATH

								MENON
259.	375532	ABHISHEK S S	1	M	09-Dec-2014	ACHD,SA VSD,MOD PAH,SR,NC	GORTEX PATCH CLOSURE OF SA VSD	DR. SABARINATH MENON
260.	351620	JUDIT MARIA T	4	F	10-Dec-2014	CCHD,TOF,GOOD PA,SR,NC	ICR(GORTEX PATCH CLOSURE OF VSD+INFUNDIBULAR RESECTION+ PULMONARY VALVOTOMY)+ RVOT PATCH	DR. THOMAS MATHEW
261.	346352	ATHULYA C K	2	F	11-Dec-2014	ACHD,SP VSD,OS ASD,MILD PAH,SR,NC	GORTEX PATCH CLOSURE OF VSD + DIRECT CLOSURE OF ASD	DR. THOMAS MATHEW
262.	388985	LIBIN	0	M	12-Dec-2014	CCHD,TOF,CONF PA,RT ARCH,NC,SR	ICR(BP PATCH CLOSURE OF SA VSD+ INFUNDIBULAR RESECTION)+ RVOT PATCH	DR. SABARINATH MENON
263.	372331	RIFNA C.	1	F	16-Dec-2014	ACHD,SEV JUXTRADUCTAL COA, PDA, B/L SVC,GOOD LV,SR,NC	REEEA	DR. SABARINATH MENON
264.	380934	INDRAJITH K	6	M	18-Dec-2014	ACHD,DC VSD,PDA,SEV PAH,GDLV,SR	GORTEX PATCH CLOSURE OF DC VSD+ PDA INTERRUPTION	DR. THOMAS MATHEW
265.	385717	B/O SUMAYYA	0	F	18-Dec-2014			DR. BAIJU S.DHARAN
266.	388758	B/O SAJINI	0	F	20-Dec-2014	RIGHT ATRIAL ISOMERISM,SC TAPVC, RASTELLI TYPE C AVCD, SEV PS,LPA ORIGIN STENOSIS, SEV PAH,SR	RMBTS # 3.5MM PTFE GRAFT + SUTURELESS REPAIR OF TAPVC + AV VALVE REPAIR+ LPA PLASTY+ PDA INTERRUPTION	DR. BAIJU S.DHARAN
267.	377536	ESAKKI DURAI K	0	M	22-Dec-2014	CCHD,PA,VSD,S/P RMBTS+ RVOT PERFORATION+ PDA INTERRUPTION,GOOD PA,DR,NC	REDOSTERNOTOMY+ ICR(BPP CLOSURE OF MIDMUSCULAR VSD+ TAP+ MONOCUSP RECONSTRUCTION OF RVOT) + BT SHUNT TAKEDOWN	DR. THOMAS MATHEW
268.	389571	RAHUL A ANIL	12	M	24-Dec-2014	IE(MRSA),SEV MR,SEV PAH,SMA,SEV COA,PE,S/P BALOON DILATATION AND PIGTAIL DRAINAGE OF PE,,GDLV,PESR	DEBRIDEMENT OF MITRAL VALVE+ SUB MITRAL ANEURYSM EXCLUSION+ MVR #23 CHVP	DR. BAIJU S.DHARAN
269.	389758	NIKIL S.	0	M	29-Dec-2014	CCHD, MIXED TAPVC,ASD,PDA,SEV PAH,NC,SR	TAPVC REPAIR(CS CUTBACK TECHNIQUE+ LUPV-LAA ANASTOMOSES)+ PDA INTERRUPTION	DR. SABARINATH MENON
270.	386792	B/O NASEERA	0	F	01-Jan-2015	CCHD,PA,VSD,PDA,CONF PA,GDLV,L ARCH,SR	RMBTS # 3MM IMBRA TUBE GRAFT	DR. THOMAS MATHEW

271.	388824	GEETHIKA BALAGOPAL	2	F	02-Jan-2015	ACHD,OS ASD,NO PAH,SR	TPP CLOSURE OF OS ASD	DR. SABARINATH MENON
272.	355018	ANGALIN JEBISHA.S	6	F	05-Jan-2015	CCHD,TOF,GOOD PA,PDA,NC,SR	ICR(GORTEX PATCH CLOSURE OF VSD+ INFUNDIBULAR RESECTION) + TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. SABARINATH MENON
273.	389561	B/O PATCHIAMMAL S.	0	M	06-Jan-2015	CCHD,DTGA,IVS,PDA,GDLV,SR,1L2R2CX,S/P BAS	ASO	DR. BAIJU S.DHARAN
274.	348274	DARSAN S	2	M	07-Jan-2015	ACHD,PM VSD,MILD PAH,SAM,GDLV,SR	TPP CLOSURE OF PM VSD+ SAM EXCISION	DR. THOMAS MATHEW
275.	346230	LAVANYA P.V	10	F	08-Jan-2015	ACHD, SA VSD,ADDITIONAL MUSCULAR VSIDS,SUPRAMITRAL MEMBRANE,SEV MS,SEV PAH,GDLV,SR	GORTEX PATCH CLOSURE OF VSD +TAR+SUPRAMITRAL MEMBRANE EXCISION	DR. BAIJU S.DHARAN
276.	386384	SHADIA P.	0	F	09-Jan-2015	CCHD,SC TAPVC,ASD,NO PAH,GDLV,SR	TAPVC REPAIR(SUTURELESS TECHNIQUE)	DR. SABARINATH MENON
277.	381984	BINU KUMAR V.	4	M	12-Jan-2015	ACHD,OS ASD,MILD PAH,GDLV,SR	TPP CLOSURE OF OS ASD	DR. REENUS DEMEL X
278.	375228	ANGITHA MONCY	1	F	14-Jan-2015	ALCAPA,SCARRED PML ,SEV MR,MOD TR,RESTRICTIVE ASD,GDLV,SR	LCA TRANSLOCATION+ MV REPAIR( P2 CHORDAL RELEASE + PARTIAL ANNULOPLASTY) + TV REPAIR	DR. BAIJU S.DHARAN
279.	349968	FATHIMA MINHA P.	2	F	15-Jan-2015	CCHD,TOF,ADDITIONAL POST MUSC VSD,LPA ORIGIN STENOSIS,PDA,SR,NC	ICT(INFUNDIBULAR RESECTION+GORTEX PATCH CLOSURE OF VSIDS)+ RVOT PATCH+ MPA & LPA PLASTY	DR. THOMAS MATHEW
280.	385832	AKSHAY MADHAV A.	0	M	15-Jan-2015	CCHD,TA,SA VSD,MOD PS,GOOD PA,SR	PA BAND # 25 MM	DR. BAIJU S.DHARAN
281.	389608	B/O JASEENA	0	M	16-Jan-2015	CCHD,D TGA,MUSCULAR VSIDS,GOOD LV,NC,SR	ASO+ DIRECT CLOSURE OF VSIDS	DR. THOMAS MATHEW
282.	343509	MOHAMMED ANZIL	2	M	19-Jan-2015	CCHD,TOF,CONF PA,NC,SR	ICR(INFUNDIBULAR RESECTION+ GORTEX PATCH CLOSURE OF SA VSD)+ TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. THOMAS MATHEW
283.	389533	ZENHA NUWAIL BEEVI	1	F	20-Jan-2015	CCHD,SC TAPVC,ASD,NO PAH,SR,NC	TAPVC REPAIR(SUTURELESS TECHNIQUE)+ TPP CLOSURE OF ASD	DR. BAIJU S.DHARAN
284.	329433	KRISHNENDU R	14	F	21-Jan-2015	S/P ASD DC (2012),AML PERFORATION,SEV MR,GDLV,SR	DEVICE RETRIEVAL+MV REPAIR (PP CLOSURE OF AML PERFORATION) + ASD CLOSURE (PP CLOSURE)	DR. THOMAS MATHEW

285.	360973	AMAL DEEPU	3	M	22-Jan-2015	ACHD,SA VSD,SMALL PDA,MOD PAH,SR	GORTEX PATCH CLOSURE OF SA VSD	DR. SABARINATH MENON
286.	355941	HANNA MOL	2	F	23-Jan-2015	CCHD,TOF,GOOD PA,CONAL BRANCH CROSSING RVOT,SR	ICR(INFUNDIBULAR RESECTION+ GORTEX PATCH CLOSURE OF SA VSD)+ TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. SABARINATH MENON
287.	368273	THALAVAI. N	5	M	27-Jan-2015	CCHD,TOF,GOOD PA,SR,NC	MINISTERNOTOMY+ ICR(INFUNDIBULAR RESECTION+ GP CLOSURE OF SA VSD)+ TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. THOMAS MATHEW
288.	385146	SAHASRA A BINOY	0	F	28-Jan-2015	CCHD,C-TAPVC,RESTRICTIVE ASD,MOD PAH,SR,NC	TAPVC REPAIR(CS CUTBACK TECHNIQUE) WITH FENESTRATED TPP	DR. BAIJU S.DHARAN
289.	384237	B/O SINJU	0	M	28-Jan-2015	MITRAL ATRESIA,REST ASD,LARGE VSD,S/P ATRIAL SEPTECTOMY+ PA BAND # 26MM	PA BAND TIGHTENED TO 25MM+ DSC	DR. SABARINATH MENON
290.	371154	AMAL S.	1	M	29-Jan-2015	CCHD,SUPRAVALVAR PS,B/L BRANCH PA STENOSIS,SR,NC	MPA PLASTY + B/L PA PLASTY	DR. THOMAS MATHEW
291.	386316	DIYA DINESH	1	F	30-Jan-2015	CCHD,TOF,GOOD PA,NC,SR	ICR(INFUNDIBULAR RESECTION+ GP CLOSURE OF SA VSD) + TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. SABARINATH MENON
292.	385561	NITHIN M.	1	M	02-Feb-2015	ACHD,PMVSD,SEV PAH,GDLV,SR	GORTEX PATCH CLOSURE OF PM VSD	DR. BAIJU S.DHARAN
293.	365657	ADI SANKAR P	4	M	03-Feb-2015	ACHD,OS ASD,NO PAH,GDLV,SR	TPP CLOSURE OF ASD	DR. REENUS DEMEL X
294.	387767	VILOMAN S.	0	M	04-Feb-2015	ACHD,SA VSD,SEV PAH, JUXTRAPOSED LAA, GDLV,SR	GORTEX PATCH CLOSURE OF SA VSD	DR. BAIJU S.DHARAN
295.	335559	ABHIMANYU M	3	M	05-Feb-2015	CCHD,TOF,GD PA,NC,SR	TRANS RA ICR (SA VSD CLOSURE WITH GP + INFUNDIBULAR RESECTION) + PULMONARY VALVOTOMY	DR. THOMAS MATHEW
296.	387432	PUGAL R.	1	M	06-Feb-2015	S/P DOUBLE SWITCH OPERATION	DSC	DR. SABARINATH MENON
297.	364317	ANANTHU A PRASANNAN	1	M	06-Feb-2015	CCHD,TOF,GOOD PA,SR,NC,HYPOTHYROIDISM,DOWNS SYNDROME	ICR(GP CLOSURE OF SA VSD + INFUNDIBULAR RESECTION)+ TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. BAIJU S.DHARAN
298.	388992	MUHAMMED NASIM N.	0	M	09-Feb-2015	ALCAPA,NO MR,SEV LVD,SR	LCA TRANSLOCATION	DR. BAIJU S.DHARAN

299.	391762	HEZRON EDIKKULA SANTHOSH	2	M	10-Feb-2015	CCHD,PA,SA VSD,GOOD PA,SR,NC	ICR(DACRON PATCH CLOSURE OF VSD+ INFUNDIBULAR RESECTION)+ TAP+ MONOCUSP RECONSTRUCTION OF RVOT	DR. THOMAS MATHEW
300.	391935	MATHEW GEORGE	0	M	11-Feb-2015	CCHD, CARDIAC TAPVC,RESTRICTIVE ASD,MILD PAH, SR	TAPVC REPAIR(CC TO LA ANASOMOSIS & REROUTING OF RUPV & RLPV TO LA)	DR. BAIJU S.DHARAN
301.	250080	SAHAMA K.	9	F	12-Feb-2015	CCHD,PA,VSD,S/P BDG+ LPA PLASTY, GOOD BIVENTRICULAR FUNCTION	ONE AND HALF VENTRICULAR REPAIR , ICR( GP CLOSURE OF SA VSD + RV-PA CONDUIT # 25MM PULMONARY HOMOGRAFT) + TV REPAIR	DR. BAIJU S.DHARAN
302.	364846	ASHMILA .K	2	F	13-Feb-2015	CCHD,TOF,CONFLUNT PA,NC,SR	TRANS RA ICR ( SA VSD CLOSURE + INFUNDIBULAR RESECTION ) + DIRECT CLOSURE OF PFO	DR. SABARINATH MENON
303.	390625	STEPHAN SHEEN HENRY	0	M	16-Feb-2015	SI,DC,UNBALANCED AVCD,SV,SC TAPVC,MOD PAH,SR	PTAPVC REPAIR(PRIMARY SUTURELESS)+PA BANDING #24 MM BAND	DR. SABARINATH MENON
304.	391280	SUJIN G.	0	M	24-Feb-2015	SC TAPVC, ASD, SEV. PAH, SR	TAPVC REPAIR	DR. THOMAS MATHEW
305.	347685	KRISHNAPRIYA G.B.	3	F	26-Feb-2015	ACHD,SAVSD,MODERATE PS,CONF PA,SR	TRANS RA ICR (SA VSD CLOSURE + INFUNDIBULAR RESECTION +PULMONARY VALVOTOMY+PFO CLOSED)	DR. THOMAS MATHEW
306.	319601	GOWTHUM KRISHNA.M.R.	4	M	27-Feb-2015	CCHD,PA, VSD, LPA ORIGIN STENOSIS,S/P RMBTS+PDA LIGATION+LPA PLASTY, SR, ITP	REDOSTERNOTOMY+ ICR(GP CLOSURE OF SAVSD+ INFUNDIBULAR RESECTION+ RV-PA CONDUIT WITH # 21 AORTIC HOMOGRAFT) + BT SHUNT TAKEDOWN	DR. BAIJU S.DHARAN
307.	366679	PRATHUISH P.	1	M	02-Mar-2015	ACHD, PDA, SEV PAH, SR	PDA INTERRUPTION	DR. THOMAS MATHEW
308.	390625	STEPHAN SHEEN HENRY	0	M	02-Mar-2015	S/P TAPVC REPAIR + PA BANDING,LT DIAPHRAGMATIC PALSY	LT DIAPHRAGMATIC PPLICATION	DR. SABARINATH MENON
309.	391552	SAKTHEESWARI M.	0	F	03-Mar-2015	ALCAPA,,MILD MR,SE LVD,SR	LCA TRANSLOCATION	DR. BAIJU S.DHARAN
310.	386381	AZZA SHAFEEQUE E.V.	0	F	04-Mar-2015	CCHD,DORV,SP VSD,SEV PS, HYPOPLASTIC MITRAL VALVE,RESTRICTIVE ASD,SR,NC	BDG + ATRIAL SEPTECTOMY	DR. SABARINATH MENON
311.	393005	B\O RAMLA ADNAN	0	F	06-Mar-2015	CCHD, OBST IC TAPVC, SEV COA, SEV PAH, PDA, SR, NC.	ARCH ADVANCEMENT + TAPVC REPAIR +FENESTRATED TPP CLOSURE OF ASD.	DR. BAIJU S.DHARAN

312.	377171	AVANTIKA SUDHAKARAN	3	F	09-Mar-2015	ACHD,SV ASD,PAPVC,NO PAH,SR	WARDENS PROCEDURE	DR. SABARINATH MENON
313.	383318	HAIFA. M. HUSSAIN	0	F	09-Mar-2015	ACHD,SA VSD,ADDITIONAL MUSCULAR VSD,LARGE PDA,SEV PAH,SR,NC	TPP CLOSURE OF SA VSD+ DC OF MIDMUSCULAR VSD+ PDA INTERRUPTION	DR. THOMAS MATHEW
314.	392851	B/O SHILPA DAMU	0	M	10-Mar-2015	CCHD,DTGA, IVS,RESTRICTIVE ASD,SMALL PDA,SR,NC,S/P BAS	ARTERIAL SWITCH OPERATION	DR. BAIJU S.DHARAN
315.	373305	DEEPTHI K.P.	6	F	11-Mar-2015	ACHD,OS ASD,PAPVC OF LUPV,MILD PAH,SR,NC	ASD CLOSURE+ LUPV ANASTAMOSED TO LAA	DR. SABARINATH MENON
316.	392104	B/O REMYA BINU	0	F	12-Mar-2015	PA,VSD,S/P ICR+TAP+LPA PLASTY,RIGHT DIAPHRAGM PALSY	RIGHT DIAPHRAGMATIC PLICATION	DR. THOMAS MATHEW
317.	393462	B/O SHEEJA	0	F	12-Mar-2015	BAV,PARACHUTE MITRAL VALVE,SEV MS,POST SCA COA,SEV LVD,SR,NC	RESECTION AND END TO END ANASTAMOSSES	DR. THOMAS MATHEW
318.	322759	SAIFUDHEEN O.P.	25	M	17-Mar-2015	CCHD, GOOD PA ANATOMY, NC,SR	ICR+ MPA PLASTY	DR. THOMAS MATHEW
319.	392851	B/O SHILPA DAMU	0	M	17-Mar-2015	S/P ASO, LEFT DIAPHRAGM PALSY	LEFT DIAPHRAGMATIC PLICATION	DR. BAIJU S.DHARAN
320.	375733	EADEN MATHEW	5	M	17-Mar-2015	ACHD,OSASD,NO PAH,SR	ASD CLOSURE	DR. REENUS DEMEL X
321.	393581	B/O JOPHY	0	M	17-Mar-2015	S/P RMBTS,STENTED STERNUM	DSC	DR. SABARINATH MENON
322.	362272	THASNI.P	12	F	18-Mar-2015	ACHD,SA VSD,RCC PROLAPSE,SEV AR,SEV LVD,SR,NC,S/P AV REPAIR	REDOSTERNOTOMY + AVR # 21CHVP	DR. THOMAS MATHEW
323.	214490	ASNA K.N.	13	F	19-Mar-2015	CCHD,DTGA,VSD,PS,CONFLU PA,SR, S/P BDG + ATRIAL SEPTECTOMY+ MPA INTERRUPTION	REDOSTERNOTOMY + EXTRACARDIAC FONTAN (# 22 PTFE GRAFT) WITH 4MM FENESTRATION	DR. SABARINATH MENON
324.	348051	NISHANTH P.P	12	M	23-Mar-2015	CCHD,TOF,GOOD PA, SEV TR,SR,NC	ICR(VSD CLOSURE+ INFUNDIBULAR RESECTION) + PULMONARY VALVOTOMY + MPA PATCH + TV REPAIR	DR. THOMAS MATHEW
325.	394087	B/O HASEENA P.C.	0	M	25-Mar-2015	CCHD,OBST MIXED TAPVC,REST ASD,SEV PAH,SR,NC	TAPVC REPAIR	DR. THOMAS MATHEW
326.	376486	HASHMI K.V	5	F	26-Mar-2015	ACHD,SV ASD,PAPVC,NO PAH,SR	ASD CLOSURE+ PAPVC REROUTING(DOUBLE PATCH TECHNIQUE)	DR. THOMAS MATHEW

327.	383379	FATHIMA JESIN	11	F	27-Mar-2015	MULTIPLE ASD IAS ANEURYSM NO PAH SR	TPP CLOSURE OF ASD	DR. BAIJU S.DHARAN
328.	363287	FATHIMA HANNA K P	1	F	27-Mar-2015	ACHD,CVCD,MOD MR,PARACHUTE MITRAL VALVE.,SEV PAH,SR	AVCD REPAIR( ASD CLOSURE WITH TPP+ CLEFT AML REPAIR + DIRECT CLOSURE OF VSD)	DR. BAIJU S.DHARAN
329.	378295	NAFEESATHUL MISRIYA.T	0	F	30-Mar-2015	CCHD, DTGA, IVS,SEV TR, REGRESSED LV,SR, 1LR2CX, S/P BAS (4/5/14)	RMBTS # 3.5MM PTFE GRAFT + PA BAND # 24 MM BAND	DR. BAIJU S.DHARAN
330.	393279	ABHINAND A.	0	M	31-Mar-2015	ACHD,SA VSD,SEV PAH,SR	VSD CLOSURE	DR. THOMAS MATHEW
331.	363079	VASUDEVAN .S	73	M	01-Apr-2015	S/P AVR FOR SEV CAL AS, PVE, AO ROOT ABSCESS, SEV AR,GOOD LV,SR,NC	REDOSTERNOTOMY +BENTALL'S PROCEDURE(AVR # 21 PM+26 ALBOGRAFT)	DR. JAYAKUMAR K
332.	9303242	RAJENDRAN.L	57	M	02-Apr-2015	RHD,S/P CMV FOR SEV MS,SEV CALCIFIC RE MS,GDLV,AF,NC	MVR #25 CHVP	DR. VARGHESE T.PANICKER
333.	378530	SIVADASAN P	54	M	06-Apr-2015	CAD,TVD, S/P PCI TO LAD, GDLV,SR,DM,HTN,DLP, EX SMOKER	CABGX 4 GRAFTS(LIMA -PROX LAD,RSVG-DISTAL LAD,MAJOR DIAGONAL,RPDA)	DR. VIVEK V. PILLAI
334.	387859	MOIDHU C.	67	M	07-Apr-2015	CAD,LMCA,TVD,GDLV,SR,H/O CA PROSTATE	CABGX4 GR(LIMA-LAD,RSVG-RAMUS,TERM OM,RPDA)	DR. VIVEK V. PILLAI
335.	385795	RAJAN V.	46	M	07-Apr-2015	CAD,DVD,MVP OF PML, SEV MR,MILD PAH , GD LV, SR	CABG (RSVG-PDA,MAJ OM) + MV REPAIR (TRIANGULAR RESECTION OF P2-P3 SEGMENT + # 31 DURAN ANCORE ANNULOPLASTY RING)	DR. VARGHESE T.PANICKER
336.	386863	JAMEELA M.	47	F	08-Apr-2015	RHD, SEV MR, MOD MS, MOD PAH,GDLV,AF, S/P BMV(2001) LEFT HEMIPARESIS(2001)	MVR# 25 CHVP + PMLP	DR. VIVEK V. PILLAI
337.	352996	SAJNA MOL V U	15	F	09-Apr-2015	ACHD,OS ASD,MILD PAH,GDLV,SR	TPP CLOSURE OF ASD	DR. VIVEK V. PILLAI
338.	207254	USHA KUMARI P.	49	F	10-Apr-2015	RHD,SEV CAL MS,MILD MR,MILD PAH,GD LV,SR,NC	MVR # 25 CHVP	DR. VIVEK V. PILLAI
339.	388344	MUHAMMED A .P.	62	M	20-Apr-2015	CAD,DVD,GD LV,SR,DM,HTN,DLP	OP CABG X 3 GRAFTS (LIMA TO LAD, RSVG TO D1, RCA)	DR. JAYAKUMAR K
340.	383632	ABDUL KARIM M.A.	54	M	20-Apr-2015	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,OM1,OM2,RPDA)	DR. VIVEK V. PILLAI
341.	181572	SHAHUL HAMEED.N.	64	M	21-Apr-2015	CAD,TVD,GDLV,SR,HTN	CABG X 5 GRAFTS (LIMA-LAD , RSVG - DIAGONAL 1 ,MAJOR OM , AM , RPDA)	DR. JAYAKUMAR K
342.	383703	THOMAS M.I.	60	M	21-Apr-2015	CAD,DVD,GDLV,SR,HTN	CABG X 3 GRAFTS (LIMA-LAD,RSVG - DIAGONAL 2 , RPDA)	DR. VIVEK V. PILLAI

343.	395121	APPUKUTTAN NAIR G.	72	M	22-Apr-2015	CAD, TVD, S/P PTCA, ISR, SEV MR, MILD PAH, DLP., HTN, SR	CABG X 5 GRAFTS(LIMA-LAD,RSVG-MAJ OM,RI,D1,PDA) +MVR # 25 PM WITH TOTAL CHORDAL PRESERVATION	DR. JAYAKUMAR K
344.	385510	SHERIFA BEEVI M.	56	F	23-Apr-2015	CAD,TVD,SOFT TISSUE SARCOMA, RT THYMOMA, DM,HTN, GD LV,SR	RT THYMECTOMY + CABG X 3 GRAFTS (RSVG-LAD ,MAJ OM , PDA)	DR. VIVEK V. PILLAI
345.	273424	SOMAN P.R.	62	M	24-Apr-2015	CAD,TVD, MOD-SEV LVD, DM,HTN, DLP,SR	CABG X 4G (LIMA-LAD, RSVG- DISTAL LAD, MAJOR OM, MAJOR D)	DR. VIVEK V. PILLAI
346.	390328	SATHEESAN B.	53	M	27-Apr-2015	MVP OF P2 AND A2 SEGMENT,SEV MR ,GDLV,SR,NC	MVR # 31 CHVP + PMLP	DR. BINEESH K.R.
347.	387558	MUBEENA A.	18	F	28-Apr-2015	SVASD,GDLV,NO PAH,NC,SR	REROUTING OF RUPV,RMPV TO LA(DOUBLE PATCH TECHNIQUE)+ DIRECT CLOSURE OF PFO	DR. BINEESH K. R.
348.	383554	RATHEESAN D.	48	M	29-Apr-2015	CAL BICUS AORTIC VALVE,SEV CALCIFIC AS,MILD AR,CONC LV,MILD LVD,NC,SR	AVR#23 SJR	DR. BINEESH K. R.
349.	386996	SAINABA P.V.	48	F	30-Apr-2015	SEV MS,MOD AR,SEV PAH,GDLV,SR	MVR#27CHVP+LA APPENDAGE EXCLUSION	DR. VIVEK V. PILLAI
350.	370081	USHA KUMARI K	65	F	06-May-2015	CAD, TVD, MOD LVD, MOD MR, AF, DM, HTN.	CABG X 5 GRAFTS ( LIMA - LAD, RSVG - D1, D2, PDA, PLB)	DR. JAYAKUMAR K
351.	281497	RETNA KUMARI AMMA.T.	38	F	07-May-2015	RHD, SEV MS, MOD MR, TRIVIAL AR, MOD PAH, LAA CLOT, AF, LFT HEMIPARESIS	MVR# 27 CHVP + PMLP + LAA CLOT EXTRACTION + LAA EXCLUSION.	DR. BINEESH K. R.
352.	386204	BHAMA V.K.	62	F	08-May-2015	CAD NSTEMI (16/8/14) TVD GDLV SR DM HT DLP	CABG X 6 GRAFTS, LIMA TO LAD, RSVG TO D1,D2,MAJOR OM, RPDA, RPLB	DR. VIVEK V. PILLAI
353.	395477	KAMALADEVI M.	36	F	11-May-2015	CAD AWWI (1/14) TVD FAIR LV SR HTN,HYPER CHOLESTEROLEMIA	CABGX5GR(LIMA-PROX LAD,RSVG-DISTAL LAD,MAJ DIAGONAL,MAJOR OM,ACUTE MARGINAL)	DR. VIVEK V. PILLAI
354.	393299	MURALIDHARAN R.	47	M	12-May-2015	CAD, TVD, SEV LVD, SR, DM, HT, DLP	CABG X 4 GRAFTS ( LIMA- LAD, RSVG - D1, MAJ OM, RPDA)	DR. VIVEK V. PILLAI
355.	386337	UNNIKRISHNAN A.K.	43	M	13-May-2015	RHD SEV AS MOD AR SEV MR MILD MS SR NC	DVR (MVR # 25 CHVP + PMLP , AVR # 19 CHVP)	DR. VARGHESE T.PANICKER
356.	384919	PRASANNA KUMARI S.	48	F	13-May-2015	CAD LMCA TVD GDLV SR RHD MILD MR DM HT	CABG X 5 GRAFTS (LIMA-LAD , RSVG - DIAG 1 ,OM1,TERM OM,RPDA)	DR. VIVEK V. PILLAI
357.	389723	THANGA RAJ A.	65	M	14-May-2015	CAD DVD OLD AWWI MILD MR MILD PAH MILD LVD SR	CABGX4 GRAFTS(LIMA-LAD,RSVG-D1,D2 AND MAJ OM)	DR. VIVEK V. PILLAI
358.	383262	ASOKAN S.K.	48	M	15-May-2015	SEV CAL AS CAD DVD GDLV SR HBSAG+VE	AVR # 19 ON-X VLAVES + CABG X 1 GRAFTS (RSVG-PDA)	DR. VIVEK V. PILLAI
359.	392803	MANILAL M.	67	M	18-May-	CAD,SVD,SEVERE CALCIFIC AORTA,SEV.CALC AS,MOD AR,MILD MR,CHF,GDLV,SR,DM		DR. VARGHESE

					2015			T.PANICKER
360.	383463	RADHAKRISHNAN S.	59	M	18-May-2015	CAD, LMCA, TVD, MILD LVD, SR, DLP, RT VV,	CABG X 5GRAFTS (LIMA-LAD, RSVG - D1, D2, MAJ OM, DISTAL RCA)	DR. JAYAKUMAR K
361.	393239	HAMEED M.	62	M	19-May-2015	CAD LMCA TVD, MILD LVD, DM , HTN,	CABG X 7 GRAFTS (LIMA-LAD, RSVG - D1 (MEDIAL AND LATERAL BRANCH)RAMUS, MAJ OM, RPDA, RPLB); LATERAL BRANCH OF D1 PIGGYBACKED TO RAMUS.	DR. JAYAKUMAR K
362.	9005698	MOHAN BABU.K.	69	M	20-May-2015	CAD,ACS,TVD,GDLV,SR,DLP	CABGX5GR(LIMA-LAD,RSVG-RAMUS,MAJ OM,DISTAL RCA,MAJ DIAGONAL)	DR. JAYAKUMAR K
363.	376939	AKSHAY KUMAR H	15	M	21-May-2015	OSASD,GDLV,NO PAH,SR	CC	DR. BINEESH K. R.
364.	392967	MADHU A.	61	M	21-May-2015	CAD,TVD,GDLV,SR,DM,HTN,B/L PVOD,H/O STROKE	CABG X 4 GRAFTS (LIMA-LAD , RSVG-OM1,OM2,RPDA)+ ANTERIOR WALL LINEAR PPLICATION (OM2 PIGGY BACK TO OM1)	DR. JAYAKUMAR K
365.	389874	GISHAMOL T.	32	F	22-May-2015	CAD TVD NSTEMI GDLV SR HYPOTHYROIDISM DLP	CABGX5 GR(LIMA-LAD,RSVG-D2,MAJ OM,TERM OM,RPDA,MAJ OM PIGGYBACKED TO TERM OM)+ENDARTERECTOMY OF MAJ OM	DR. JAYAKUMAR K
366.	335989	ROSHAN K	18	M	23-May-2015	S/P DVR WITH BLEEDING	RE-EXPLORATION	DR. VARGHESE T.PANICKER
367.	361146	SHANMUGAN K. V.	68	M	25-May-2015	CAD, TVD, GDLV, SR, DM, HTN, BPH	CABG X 4 GRAFTS (LIMA-LAD, RSVG- MAJ OM, D1, RPDA)	DR. VIVEK V. PILLAI
368.	390176	MANIKANDAN NAIR P.E.	73	M	26-May-2015	CAD,TVD,MILD LVD,SR,DM,HTN,PVOD	CABG X 4 GRAFTS(LIMA-LAD,RSVG-RI,LPDA,LPLB)	DR. JAYAKUMAR K
369.	392167	USHA JOHN THOMAS	57	F	26-May-2015	RHD SEV MS, MOD MR, GOOD LV, AF, NC	MVR #29 ST. JUDES + PARTIAL PMLP	DR. VARGHESE T.PANICKER
370.	388648	SEETHA A.	62	F	27-May-2015	CAD,TVD,GDLV,SR,HTN,DLP	CC	DR. VIVEK V. PILLAI
371.	390682	THOMAS KUTTY J.	52	M	27-May-2015	CAD,DVD,OLD MI,SEV CAL MS,MOD MR,FAIR LVMILD PAH,SR,DM,DLP	CABG X 3 GRAFTS (RSVG-LAD,DIAG 1 ,OM) + APICAL WALL LINEAR PPLICATION +MVR # 25 CHVP +PMLP	DR. VARGHESE T.PANICKER
372.	395046	RAVEENDRAN V.	66	M	28-May-2015	CAD TVD GDLV SR DM HTN	CABG X 5 GRAFTS ( LIMA- LAD, RSVG - D1, D2, MAJ OM, RPDA)	DR. VIVEK V. PILLAI
373.	385054	SALIM A.	46	M	29-May-2015	OS ASD, MILD PAH, SR, NC	TPP CLOSURE OF OS ASD	DR. BINEESH K. R.

374.	393540	SOMASUNDARAM V.K.	53	M	29-May-2015	CAD,TVD,GDLV,SR,DM	CABGX3 GR(LIMA-LAD,RSVG-MAJ OM , RPDA)	DR. VIVEK V. PILLAI
375.	358366	MANICKAM A.	57	M	01-Jun-2015	RHD,P/CMV,SEV MS,NO MR,MOD AS,MOD AR,MOD TR,MILD PAH,MOD LV DYSFUNCTION,NC,AF	DVR + TVA (MVR # 31 CHVP + PMLP,AVR # 25 CHVP,TV ANNULOPLASTY # 32 MC 3 PARTIAL RING)	DR. VARGHESE T.PANICKER
376.	394904	BABU A.	64	M	01-Jun-2015	CAD,TVD,GDLV,SRGDLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS(LIMA-->LAD, RSVG-->OM2,D1,RPDA)	DR. JAYAKUMAR K
377.	395966	VIJAYA KUMAR V.M.	52	M	02-Jun-2015	CAD,DVD,S/P PCI - LCX (2013),MILD LVD,SR	CABG X 3 GRAFTS (LIMA-LAD,RSVG-DIAGONAL 1,OM2)	DR. VIVEK V. PILLAI
378.	390035	AMBIKA N. A.	44	F	02-Jun-2015	RHD,SEV MR,MINIMAL MS,MILD PAH,GDLV,AF,NC	MVR #27 CHVP + PARTIAL PML PRESERVATION	DR. BINEESH K. R.
379.	391206	VASUDEVAN B.	66	M	06-Jun-2015	CAD,S/P CABG WITH DEEP SSI	STERNAL REWIRING	DR. BINEESH K. R.
380.	394206	RAJENDRAN P	68	M	08-Jun-2015	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1,OM3,OM4,RPDA)	DR. JAYAKUMAR K
381.	395314	VIJAYAN V.	48	M	08-Jun-2015	CAD, LMCA, DVD, SEV LVD, MOD MR, DLP, HTN.	CABG X 3 GRAFTS ( LIMA- RI, RSVG - LAD, MAJOR OM)	DR. VIVEK V. PILLAI
382.	391304	SHIBUKUMAR V.	55	M	09-Jun-2015	CAD,TVD,IWMI(1/15),GDLV,SR,HTN,BPH, HYPOTHYROIDISM	CABG X 5 GRAFTS(LIMA-->LAD, RSVG-->D1, D2, MAJ OM, RPDA)	DR. JAYAKUMAR K
383.	393038	JAZIL S.	16	M	09-Jun-2015	RHD,SEV MR,MOD TR,SEV PAH,MILD LVD,SR	MV REPAIR (MVA # 29 DURAN ANCORE ANNULOPLASTY) + TV REPAIR (MC 3 TRICUSPID VALVE ANNULOPLASTY)	DR. VARGHESE T.PANICKER
384.	397310	JACOB GEORGE	51	M	10-Jun-2015	CAD,DVD,AWMI,PCI-LAD,GDLV,SR,DM,DLP,HTN	CABG X 3 GRAFTS (LIMA-->LAD, RSVG-->OM2, D2)	DR. JAYAKUMAR K
385.	396104	RADHAMANY K	63	F	11-Jun-2015	CAD TVD, GOOD LV FUNCTION, SR, DM ,HTN, DLP	CABG X 5 GRAFTS ( LIMA - LAD, RSVG - MAJ D, MAJ OM, RPDA, RPLB)	DR. JAYAKUMAR K
386.	347938	JOHN CRUZ	50	M	12-Jun-2015	RHD,S/P CMV (1989),S/P CABG+MVR # 25 SJM(2013),RECURRENT PROSTHETIC VALVE THROMBIOSIS THROMBOLYSED TWICE,SEIZURE DISORDER	REDO + MVR # 23 CHVP	DR. VARGHESE T.PANICKER
387.	391357	BHASKARAN NAIR M.	68	M	15-Jun-2015	CAD LMCA TVD NSTEMI GDLV SR, HTN	CABG X 3 GRAFTS(LIMA--LAD, RSVG-->DIST LAD, MAJ OM)	DR. VIVEK V. PILLAI
388.	384933	ABDUL MAJEED P.	58	M	16-Jun-2015	CAD TVD GDLV SR DM EX SMOKER	CABG X 4 GRAFTS (LIMA-LAD (LATERAL BR),RSVG-LAD(MEDIAL BR) , RI , RPDA )	DR. VIVEK V. PILLAI
389.	388865	RAJEEV S.	30	M	16-Jun-2015	ACHD OSASD MILD PAH GDLV SR	TPP CLOSURE OF ASD	DR. BINEESH K. R.
390.	395327	MAHENDRAN C.	62	M	17-Jun-	CAD TVD GDLV MILD MR SR DLP	CABG X 6 GRAFTS (LIMA-PROX	DR. VIVEK V.

					2015		LAD,RSVG-DISTAL LAD,D1,OM1,OM2,RPDA)	PILLAI
391.	389921	SADASIVAN K.	66	M	18-Jun-2015	CAD TVD NSTEMI GDLV DM HTN BPH CKD, PVOD	CABGX 5 GRAFTS(LIMA-->LAD, RSVG-->OM1, OM2, MAJ DIAGONAL, RPDA)	DR. VIVEK V. PILLAI
392.	396707	MANOJ K.S.	47	M	19-Jun-2015	CAD, TVD, FAIR LV, SR, DM ,HTN, HYPOTH	CABG X 4 GRAFTS( LIMA - LAD, RSVG - DISTAL LAD, OM, AM-PDA)	DR. VIVEK V. PILLAI
393.	395533	JAYAPRAKASH V.R.	52	M	22-Jun-2015	RHD,SEV CAL AS,MOD AR, SEV MS,MOD MR,GDLV,SR,NC	DVR (MVR#25 CHVP+PMLP & AVR #21 CHVP)	DR. VARGHESE T.PANICKER
394.	394549	RAMACHANDRAN NAIR V.	51	M	23-Jun-2015	CAD TVD FAIR LV SR DM HTN DLP	CABG X 6 GRAFTS ( LIMA - LAD, RSVG-D2, OM1, OM2, RPDA, RPLB) (D2 AND OM2 PIGGYBACKED TO OM1)	DR. JAYAKUMAR K
395.	395810	AJITH KUMAR K.B.	56	M	23-Jun-2015	CAD,TVD,AWMI,P/PTCA(LAD,OM),GDLV,SR,DM	CABG X 3 GRAFTS (LIMA-LAD , RSVG - RI , LPDA )	DR. JAYAKUMAR K
396.	389836	SUNIL KUMAR R.	27	M	24-Jun-2015	ACHD SVASD PAPVC (OF RIGHT UPPER MIDDLE AND LOWER PV TO LA) MILD PAH GDLV SR NC	REROUTING OF PV TO LA VIA ASD + TPP AUGMENTATION OF SVC RA JUNCTION	DR. BINEESH K. R.
397.	397225	SHETHA DANIEL	35	F	25-Jun-2015	ACHD, OPASD ,DOUBLE ORIFICE MITRAL VALVE, CLEFT AML, MILD MR, MILD PAH, GDLV, SR	PAVCD REPAIR	DR. VARGHESE T.PANICKER
398.	391438	GEORGE G	63	M	26-Jun-2015	CAD LMCA TVD GDLV SR HTN	CABGX 5 GRAFTS(LIMA-->LAD, RSVG--> D1, OM2, RI,RT. ACUTRE MARGINAL)	DR. JAYAKUMAR K
399.	195605	ANNAMMA JOHN	75	F	29-Jun-2015	CAD,S/P PCI TO RCA(2003),TVD,GDLV,SR,HTN, HYPOTHYROIDISM	CABG X 3 GRAFTS(LIMA-LAD,RSVG- D1, MAJ OM)	DR. JAYAKUMAR K
400.	381039	RAJAN T	52	M	30-Jun-2015	CAD, P/CABG(11/2013), P/ PCI (7/14) NSTEMI(5/15),TOTALLY BLOCKED GRAFTS, MOD LVD, SR, DM, HTN	REDOSTERNOTOMY + CABG X 4 GRAFTS(RSVG-LAD,D1,EARLY OM,DISTAL RCA) + ENDARTERECTOMY OF DISTAL RCA	DR. JAYAKUMAR K
401.	9003838	SAJI KUMAR R.	47	M	01-Jul-2015	S/P VSD CLOSURE+AVR# 27 MHVP(1993), ASC.AORTIC ANEURYSM, GDLV, SR, NC	REDOSTERNOTOMY+ SUPRA ANNULAR ASCENDING AORTIC REPLACEMENT	DR. JAYAKUMAR K
402.	388036	KARUNAKARAN PILLAI .V.	60	M	02-Jul-2015	CAD,TVD,FAIR LV,SR,DM,HTN,RESIDUAL POLIO RT UPPER LIMB	CABG X 5 GR(LIMA-LAD,RSVG-D1 LAT BR, MAJ OM LAT BR, AC MARGINAL,RPDA)	DR. JAYAKUMAR K
403.	378981	BASHEER P.A	44	M	03-Jul-2015	ACHD,OS ASD,POST TB CONSTRICTIVE PERICARDITIS,GDLV,SR,NC,HBS AG+	PERICARDIECTOMY + DC OF OS ASD	DR. JAYAKUMAR K
404.	393356	SOMANATHAN P G.	68	M	06-Jul-2015	CAD TVD GDLV SR MILD MR, HYPERTROPHIC LV, HTN. DM , DLP.	CABG X 4 GRAFTS ( LIMA - MAJ D, RSVG - LAD, MAJ OM, RPDA) (MAJ OM PIGGYBACKED TO LAD	DR. VIVEK V. PILLAI
405.	398784	ABI MANOHAR	22	M	06-Jul-2015	ACHD. SV ASD, PAPVC,NO PAH,SR	ASD CLOSURE+ PAPVC REROUTING	DR. BINEESH K. R.

406.	391779	THEYYUNNI P.	60	M	07-Jul-2015	CAD,DVD,GDLV,SR,DLP.	CABG X 3 GRAFTS(LIMA-DIAGONAL,RSVG-LAD,DISTAL RCA)	DR. VIVEK V. PILLAI
407.	381844	NABEEL K T	16	M	07-Jul-2015	OS ASD,NO PAH,SR	DIRECT CLOSURE OF ASD	DR. BINEESH K. R.
408.	393319	SASEENDRAN M.	67	M	08-Jul-2015	CAD,TVD, GD LV, SR,DM,H/O POLIO	CABG X 5 GRAFTS LIMA-LAD , RSVG - D2 , SUPERIOR AND INFERIOR BR OF OM , PDA	DR. VIVEK V. PILLAI
409.	367997	VELLMURUGAN .C	22	M	08-Jul-2015	RHD, S/P CMV , SEV RE MS, ORGANIC TV DISEASE, SEV PAH ,DILATED RA ,MOD RV DYSFUNCTION , FAIR LV FUNCTION ,SR	MVR # 25 CHVP + PARTIAL PMLP + TV REPAIR (MODIFIED DE VEGAS TV ANNULOPLASTY+ANTEROPSTERIOR COMMISUROTOMY+ANTERIOR PAPPILARY MUSCLE HEAD SEPRATION )	DR. BINEESH K. R.
410.	385635	RAJAN G.	55	M	09-Jul-2015	CAD, DVD, REC ACS, SR,FAIR LV,HTN,DLP	CABG X 3 GRAFTS(LIMA-LAD,RSVG-MAJOR DIAGONAL,MAJOR OM)	DR. VIVEK V. PILLAI
411.	398526	RAJASEKHARAN G.	51	M	10-Jul-2015	CAD,LMCA,TVD,GDLV,SR,DM,DLP	CABG X 3 GRAFTS (LIMA-LAD,RSVG-DIAGONAL , DISTAL LCX)	DR. VIVEK V. PILLAI
412.	390024	RAJESH RADHAKRISHNAN	41	M	10-Jul-2015	ACHD,CCTGA,LEFT AVVR,MOD RV DYSFUNCTION,NC,SR	LT AVVR WITH SJ # 26 SADDLE RING REPAIR	DR. VIVEK V. PILLAI
413.	379028	ANTONY K A	64	M	13-Jul-2015	SEV AR,MOD AS,MILD MR,CKD,SR,NC	AVR # 23 PM	DR. VARGHESE T.PANICKER
414.	398010	KRISHNA DAS V.S.	63	M	14-Jul-2015	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 4 GRAFTS ( LIMA -LAD , RSVG - RAMUS , PDA . PLB )	DR. JAYAKUMAR K
415.	392349	SADANANDHAN N.	59	M	14-Jul-2015	RHD SEV CAL MS MILD MR, MILD AR, GDLV, SR	MVR # 23 CHVP	DR. BINEESH K. R.
416.	391294	BALAKRISHNAN G.	73	M	15-Jul-2015	CAD TVD GDLV SR COPD HTN	CABG X 4 GRAFTS ( LIMA - LAD, RSVG - D1, OM1, RPDA)	DR. JAYAKUMAR K
417.	374116	RAHUL R	17	M	16-Jul-2015	ACHD,OS ASD,MOD TR,MILD PAH,GDLV,SR	TPP CLOSURE OF ASD + BICUSPIDIZATION OF TRICUSPID VALVE	DR. VARGHESE T.PANICKER
418.	304706	KOMALAVALLY.B	58	F	16-Jul-2015	CAD,S/P PCI TO LAD & RCA,TVD,FAIR LV,SR,DM,HTN,DLP	CABG X 5 GRAFTS(LIMA-LAD,RSVG-D1, MAJ OM ,RPDA,RPLB) D1 GRAFT PIGGYBACKED TO OM GRAFT	DR. JAYAKUMAR K
419.	393188	SEETHALEKSHMI M.	47	F	17-Jul-2015	RHD,SEV AS,MOD AR,MOD MS,MOD TR,GD LV,AF,ANOMALOUS RCA ORIGIN.	AVR # 19 CHVP+OMV+MITRAL LEAFLET THINNING+BICUSPIDISATION OF TV+LA CLOT REMOVAL+ LAE	DR. VARGHESE T.PANICKER
420.	389989	SOBHANA V.	55	F	20-Jul-2015	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 5 GRAFTS (LIMA-LAD , RSVG - MEDIAL BR OF RAMUS , OM1 , TERM OM , RPDA )	DR. JAYAKUMAR K

421.	396784	MINI MATHUNNI	45	F	21-Jul-2015	CAD,TVD,GDLV,SR,DM,DLP,HTN	CABG X 4 GRAFTS (LIMA - LAD , RSVG - DIAG 1 , RAMUS , RPLB)(DIAG 1 PIGGYBACK TO RAMUS)	DR. JAYAKUMAR K
422.	390001	KRISHNAKUMAR S.	58	M	21-Jul-2015	MVP OF AML , SEV MR , MILD PAH , GDLV , SR , NC , HTN	MV REPAIR (A2-A3 NEO CHORDE REPAIR WITH # 27 DURAN ANCORE RING ANNULOPLASTY)	DR. VARGHESE T.PANICKER
423.	8602015	ALICE JOSEPH	53	F	22-Jul-2015	MVP,SEV MR,DILATED LV,SEVERE TR ,MOD PAH,AF,NC,MARFANOID HABITUS	MV REPAIR # 31 DURAN ANCORE ANNULOPLASTY RING + TV REPAIR # 32 MC3 TRICUSPID ANNULOPLASTY RING	DR. BINEESH K. R.
424.	387274	PRABHAKARAN V.	58	M	22-Jul-2015	CAD,DVD,RECENT AWMI,GD LV,SR,HTN,DLP	OPCABG X 1 GRAFT(LIMA-LAD)	DR. JAYAKUMAR K
425.	388595	RAJAN B.	51	M	23-Jul-2015	CAD,TVD,GDLV,SR,DLP,HTN,HBSAG+	CABG X 4 GRAFTS(RSVG-LAD,D1,MEDIAL BRANCH OF MAJOR OM,RPDA)	DR. JAYAKUMAR K
426.	399676	SASI S.	65	M	24-Jul-2015	CAD,LMCA,TVD,REC ACS, DM, HTN,HBSAG, SR	CABG X 5 GRAFTS(LIMA-LAD,RSVG-OM1,OM2,RI,RPDA)	DR. JAYAKUMAR K
427.	396565	ANI V.	36	M	24-Jul-2015	RHD, S/P CMV(93) SEV MR, MOD PAH, AF	MVR # 27 CHVP +PPMLP	DR. BINEESH K. R.
428.	397854	AMBIKA R NAIR.	69	F	27-Jul-2015	CAD,TVD,GDLV,SR,DM,HTN,DLP	CABG X 4 GRAFT (LIMA TO LAD, RSVG TO DIAGONAL, MAJOR OM, RPLB)	DR. JAYAKUMAR K
429.	392101	FATHALU K.V.	30	M	28-Jul-2015	RSOV TO RVOT,SP VSD,SR,GD LV	RSOV REPAIR + DACRON PATCH CLOSURE OF VSD	DR. VIVEK V. PILLAI
430.	396817	BALAKRISHNAN NAIR T.N.K.	69	M	29-Jul-2015	SEV CALC AS, MILD-MOD AR,CONC LVH, GD LV,SR,NC	AVR # 21 PM	DR. VIVEK V. PILLAI
431.	394902	DHAS C.	48	M	29-Jul-2015	CAD,TVD,LMCA,GD LV, SR,DM	CABG X 4 GRAFTS (LIMA- LAD , RSVG - OM , RPDA , RPLB)	DR. VIVEK V. PILLAI
432.	397883	MOHANA KUMAR K.K.	58	M	30-Jul-2015	CAD, TVD, LMCA, LAD-RI DISSECTION, GDLV, SR, HTN.	CABG X 4 GRAFTS( LIMA-LAD, RSVG-RI, MAJ OM, RPDA) + REEXPLORATION ( ADDITIONAL VENOUS GRAFT TO LAD)	DR. VIVEK V. PILLAI
433.	398275	MASHOOD M.H.	60	M	31-Jul-2015	CAD,TVD,GDLV,SR,DM,HTN	CABG X 5 GRAFTS (LIMA-LAD , RSVG - DISTAL LAD , OM1 , OM 2 , RPDA)	DR. VIVEK V. PILLAI
434.	394598	KANNAN I.	30	M	03-Aug-2015	SEV AR,GDLV,SINGLE CORONARY,SR.	AVR # 27 CHVP	DR. VARGHESE T.PANICKER
435.	390551	SEYADHU SHEBAYEEDEN A.	16	M	03-Aug-2015	ACHD,OSASD, MILD PAH, SR	TPP CLOSURE OF ASD	DR. REENUS DEMEL X
436.	396834	BENSON K.J.	39	M	04-Aug-2015	MARFAN'S SYND,ASCENDING AORTIC ANEURYSM,SEV AR,SEVERE LVD, DILATED LV,SR	BENTALL'S PROCEDURE(#28 ALBOGRAFT & 27 CHVP)	DR. JAYAKUMAR K

437.	241574	SARASWATHY K.	63	F	05-Aug-2015	MVP OF AML, SEV MR, SEV TR, MILD LVD, AF, NC	MVR #27 PM + MODIFIED DE-VEGAS TRICUSPID ANNULOPLASTY	DR. BINEESH K. R.
438.	398525	VIJAYAKUMARAN NAIR P.	59	M	05-Aug-2015	CAD, LMCA, TVD, S/P PCI TO RCA, SR, DLP	CABG X 4 GRAFTS (LIMA-LAD, RSVG- MAJ D, MAJ OM, RPLB)	DR. JAYAKUMAR K
439.	397098	JOHN R.	48	M	06-Aug-2015	CAD,TVD,REC AWWMI,MOD-SEVLVD,SR	CABGX5GRAFTS(LIMA-PROX LAD,RSVG-DISTAL LAD,BOTH BRANCHES OF RI,ACUTE MARGINAL,PROXIMAL ANASTAMOSIS OF MEDIAL BRANCH PIGGYBACKED TO LATERAL BR OF RI)	DR. VIVEK V. PILLAI
440.	299606	BAHULEYAN V	69	M	07-Aug-2015	CAD,TVD,MOD LVD,SR,MILD PAH,DLP	CABG X 4 GRAFTS (LIMA - LAD, RSVG - MAJOR DIAGONAL, OM 1, DISTAL RCA)	DR. VARGHESE T.PANICKER
441.	372646	JHONCY PRABHA JINI V.	37	F	10-Aug-2015	RHD, SEV AS, MODERATE AR, GOOD LV, SR, DLP	AVR # 21 SJR	DR. BINEESH K. R.
442.	339336	RAMACHANDRAN K	61	M	10-Aug-2015	CAD,TVD,MOD LVD,SR,HTN,DLP.	CABG X 4 GRAFTS (LIMA-LAD,RSVG-DISTAL LAD,TERMINAL OM,RPDA)	DR. VIVEK V. PILLAI
443.	384050	PARASAKTHI S.	69	F	11-Aug-2015	RHD,SEVERE AS,SEVERE MS,MOD MR,MOD PAH,CAD,SVD,SR.	DVR (MVR # 21 CHVP +AVR # 19 CHVP) + LVOT RESECTION + CABG X 1 GRAFT (RSVG-RPDA).	DR. VARGHESE T.PANICKER
444.	399602	JAYAKUMAR D.	61	M	11-Aug-2015	CAD,TVD,GD LV,SR,DM,HTN,DLP.	CABG X 6 GRAFTS(LIMA-LAD,RSVG-DISTAL LAD,MAJOR OM,D1,RPDA,RPLB)	DR. VIVEK V. PILLAI
445.	390827	UNNI K.C.	59	M	12-Aug-2015	SEV CALC AS, TRIV AR,CAD,DVD,SR	AVR # 23 CHVP + CABG X 3 GRAFTS (RSVG-LAD,D2,MAJOR OM)	DR. VIVEK V. PILLAI
446.	386797	RABECCA S.	56	F	13-Aug-2015	CAD,TVD,GD LV,SR,DM,HTN,DLP.	CABG X 4 GRAFTS(RAVG-D2,MAJOR OM,RPDA)	DR. VIVEK V. PILLAI
447.	9900717	ANITHA.A.	49	F	14-Aug-2015	HOCM,SEV LVOTO,MOD MR,MOD PAH,PAROX AF,GDLV.	SEPTAL MYECTOMY + MVR # 25 CHVP	DR. VIVEK V. PILLAI
448.	399590	PHILIPOSE V.V.	69	M	17-Aug-2015	CAD,TVD,FAIR LV,PRIM AV BLOCK,DM,COPD,CA LARYNX	CABGX4GR(LIMA-LAD,RSVG-D1,OM1 AND RPLB)	DR. JAYAKUMAR K
449.	394242	HASEEM A.	30	M	18-Aug-2015	RHD, SEV AR, MILD MR, DILATED LV, SR HTN	AVR # 23 SJ	DR. BINEESH K. R.
450.	394594	MADHUSOODANAN NAIR K.	62	M	18-Aug-2015	CAD, RVD, SEV LVD, MILD MR, DM, HTN, DLP, AIHA	CABG X 5 GRAFTS ( LIMA - LAD, RSVG - RPDA, RPLB, D1. MAJ OM) ( MAJ OM PIGGYBACKED TO D1)	DR. JAYAKUMAR K
451.	397859	BHUVANACHANDRAN NAIR	55	M	19-Aug-2015	CAD DVD GDLV, SR, DM, HTN,	CABG X 3 GRAFTS ( LIMA - MAJ D, RSVG - RPDA, RPLB)	
452.	397454	DIVAKARAN V.	69	M	20-Aug-2015	CAD TVD GDLV SR	CABG X 6 GRAFTS ( LIMA - LAD, RSVG - RPDA, OM1, OM2, D1, D2) D2	DR. JAYAKUMAR K

							PIGGYBACKED TO D1	
453.	389660	PATHUKUTTY ALIYAR	72	F	21-Aug-2015	BAV, SEV CAL AS, MILD PAH, GDLV, SR.	AVR # 19 PM + CABG X 1 GRAFT (RSVG - RCA)	DR. BINEESH K. R.
454.	389945	AYOOB V.	43	M	24-Aug-2015	RHD,S/P BMV (2010),SEV MS,MOD MR,MILD AR,MILD-MOD LVD,AF	MVR # 29 CHVP + PMLP	DR. VIVEK V. PILLAI
455.	395583	BALAN N.	74	M	24-Aug-2015	CAD,LMCA,TVD,GDLV,SR,HTN,DLP	CABG X 4 GRAFTS (LIMA - LAD, RSVG - OM1, OM2,LPLB)	DR. JAYAKUMAR K
456.	395674	SALIM A.	50	M	25-Aug-2015	CAD, LMCA,DVD,ACS,HTN,SR	CABG X 3 GRAFTS (LIMA-LAD,RSVG-MAJOR OM,MAJOR DIAGONAL)	DR. VIVEK V. PILLAI
457.	389086	MANIRAJAN V.	67	M	25-Aug-2015	CAD,DVD,GD LV, SR,DM,HTN,DLP	CABG X 3 GRAFTS (LIMA-LAD,RSVG-MAJOR DIAGONAL,RPDA)	DR. VIVEK V. PILLAI
458.	392675	DANIEL ROY	66	M	31-Aug-2015	BICUSPID AORTIC VALVE, SEV CALC AS, CAD,TVD,GD LV, HTN,DLP, SR, SUBDURAL HEMATOMA	AVR #23 TFX+ CABG X 2G(RSVG TOACUTE MARGINAL PDA, D1)	DR. VARGHESE T.PANICKER
459.	388357	VAMADEVAN R.	46	M	01-Sep-2015	CAD,TVD,GDLV,SR,DM,HTN	CABG X 4 GRAFTS(LIMA-LAD,RSVG-MAJOR OM,MAJOR DIAGONAL,RPDA)	DR. JAYAKUMAR K
460.	376298	OMANA ROBIN	49	F	01-Sep-2015	RHD,SEV MS,MILD MR,MOD PAH,LA CLOT,GDLV,NC,SR	MVR # 25 CHVP +PMLP + LA CLOT REMOVAL + LA AE	DR. BINEESH K. R.
461.	394327	SANTHA G.	62	F	02-Sep-2015	CAD TVD LMCA REC STEMI GDLV SR DM DLP	CABG X 4 GRAFTS (LIMA-LAD,RSVG-OM1,OM2,RPDA)	DR. JAYAKUMAR K
462.	367952	PARAMESWARAN NAIR B C	63	M	03-Sep-2015	CAD CSA TVD GDLV SR HTN CERVICAL SPONDYLOSIS	CABG X 4 GRAFTS(LIMA-->LAD,RSVG-->OM1,OM2,RPDA )	DR. JAYAKUMAR K
463.	320205	SUNDARASHAN S.	51	M	04-Sep-2015	CAD TVD P/LWMI (2010) P/PCI LAD (12/10) GDLV DM HTN SR	CABG X 5 GRAFTS(LIMA-->PROXIMAL LAD, RSVG-->DISTAL LAD, D1, OM2, AM)	DR. VIVEK V. PILLAI
464.	396582	MINI DAVID N.	48	F	04-Sep-2015	RHD MOD-SEV MR MOD MS MILD AR SEV LVD AF CAD SVD	MVR# 25 CHVP + PARTIAL PMLP+ LA PLICATION	DR. VIVEK V. PILLAI
465.	352570	VICTORIA .I	55	F	07-Sep-2015	MVP OF PML SEV MR , MILD PAH RUPTURED CHORDAE NC SR	MV REPAIR( QUADRANGULAR RESECTION & ANNULOPLASTY WITH # 29 ANCORE RING )	DR. VARGHESE T.PANICKER
466.	401071	SALUDEEN A.	71	M	07-Sep-2015	CAD TVD LMCA GDLV SR DM HTN	CABG X 5 GRAFTS(LIMA-->LAD, RSVG-->D1,MAJOR OM, TERMINAL OM, RPDA)	DR. JAYAKUMAR K

# **INTERESTING CASES**

## **INTERESTING CASES**

- BENTALL PROCEDURE
  
- SOV ANEURYSM REPAIR
  
- PERICARDECTOMY FOR CONSTRICTIVE PERICARDITIS
  
- FONTAN OPERATION
  
- ARTERIAL SWITCH OPERATION
  
- LCA TRANSLOCATION FOR ALCAPA
  
- CONE REPAIR
  
- NORWOOD PROCEDURE
  
- MVR FOR INFECTIVE ENDOCARDITIS
  
- MV REPAIR FOLLOWING ASD DEVICE CLOSURE

## **BENTALL PROCEDURE**

**DIAGNOSIS:** ASCENDING AORTIC ANEURYSM, SEVERE AR, DILATED LV, SEVERE LV DYSFUNCTION, SR, MARFAN SYNDROME.

**PROCEDURE:** BENTALL PROCEDURE

**HISTORY:** 39 year old male presented with h/o DOE, FC- II x 6months, associated with h/o pre-syncope and palpitation. No h/o PND, orthopnoea, syncope. HTN (-), DM (-), DLP (-).

**PHYSICAL EXAMINATION:** No pallor/icterus/pedal oedema. Marfanoid Habitus present(+). HR: 88/min. BP: 130/60mm Of Hg. CVS- precordium normal. S1 S2 (+) 3/6 early diastolic murmur (+) in aortic area. RS: AEBE, clear. P/A- WNL CNS- WNL.

**BLOOD INVESTIGATIONS:** WNL

**CXR:** CTR- 0.65, LV apex, dilated ascending aorta.

**ECG:** SR, axis + 100', LVH with strain.

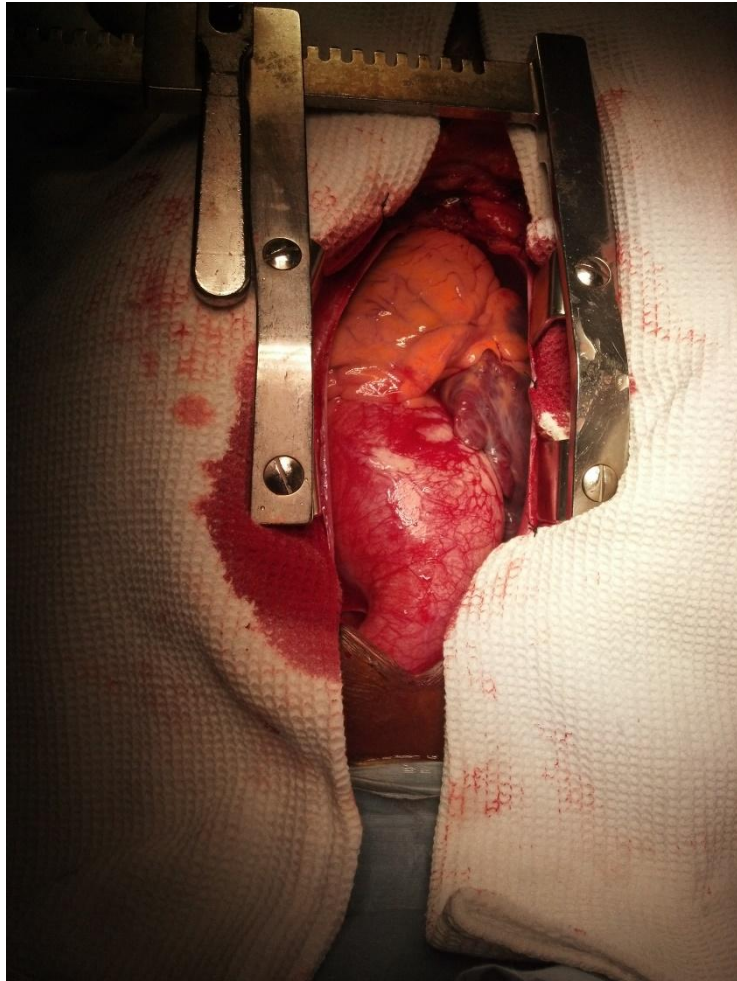
**ECHO:** LV- LV 74/66 EF21% LA 44 Ascending aorta– Dilated. Aortic root 26mm, Ascending Ao Aneurysm 68mm, Severe AR 4+, Severe LV dysfunction.

**SURGICAL FINDINGS:** Mild cardiomegaly(+). Ascending aortic aneurysm size 6x6 cm+ extending upto the arch. Annulus dilated app 45mm. Arch vessels free. No e/o intimal tear. Sev AR+. Coronary ostium normal, LV dilated. Severe LV dysfunction+.

**STEPS:** Median sternotomy. Vertical pericardiotomy. pericardial stays. Heparinization. Aorto – RA CPB instituted. Left heart vented via the RUPV. Core cooling started. Aorta cross clamped. Aneurysm opened. Antegrade ostial cold blood

cardioplegia given. Heart arrested in diastole. Coronary buttons harvested. Aneurysm excised. Aortic valve excised. A composite graft created with # 27 CHVP and #28 ALBO graft. Proximal end of the composite graft sutured to the Aortic annulus with 2-0 Tycron sutures in Aorta to LV fashion. Coronary buttons anastomosed with the graft with 6-0 prolene. Distal end of the graft sutured to the distal end of the ascending aorta. De-airing done. Aortic cross clamp removed. Heart picked up in VF rhythm. DC version with 20 Joules. Heart reverted to sinus rhythm. 1 RA and 1 RV pacing wire placed. Came off bypass with stable hemodynamics. Protamine. Decannulation. Hemostasis secured. 2 Mediastinal drains placed. Sternotomy wound closed in layers.

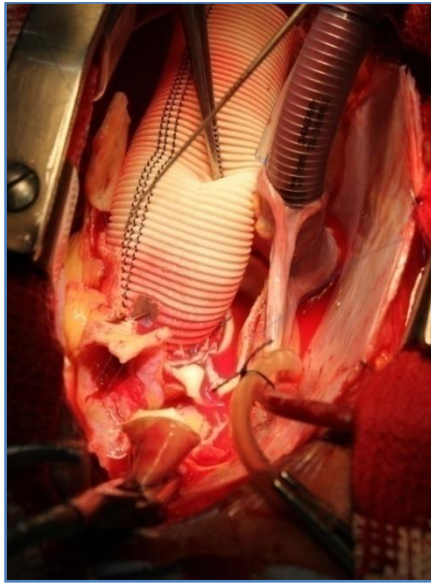
**CPB : 97minutesACC:76 minutes.**



**PREPARATION OF VALVED  
CONDUIT**



**CORONARY BUTTON**  
**ANASTOMOSES**



**COMPLETED BENTALL'S**  
**PROCEDURE**



## **SOV ANEURYSM REPAIR**

**DIAGNOSIS:** SOV ANEURYSM RUPTURE, SP VSD, GOOD LV FUNCTION, SR

**PROCEDURE:** RSOV REPAIR + DACRON PATCH CLOSURE OF VSD

**HISTORY:** This 30 year old male a resident of Thrissur, 2nd of born to NCM parents detected to have CHD in new born period and was on follow up till 8 year age of age and lost the followup after that. Now C/o FC II DoE 6 months duration. No h/o palpitations/ PND/ Orthopnoea.

**PHYSICAL EXAMINATION:** No pallor/ icterus/pedal oedema. PR: 88/m, BP: 130/90mm Hg. All peripheral Pulses felt. CVS: Precordium: normal. AI: 6th ICS. S1S2, 4/6 continuous murmur at LUSB.RS/CNS/ P/A: WNL

**BLOOD INVESTIGATIONS:** WNL

**CXR:** CTR -65%, B/L lung field congested.

**ECG:** SR, Rate 80 bpm, QRS axis 75, LVH(+)

**ECHO:** LV 60/30, LA 47, AO 30, MR 1+ A. Annulus 32. Prolapse of RCC to RVOT. AR 2+, SP VSD 5mm, IVG 120 mm Hg.

**SURGICAL FINDINGS:** Cardiomegaly(+). Mild pericardial effusion. SP VSD of size 1.5 X 2 cm. Aorta normal. RA enlarged, RCC prolapsed. Aortic valve: Tricuspid, Coronary ostia normal. RCA dilated. Right SOV aneurysmal forming windsock deformity & ruptured into RVOT.

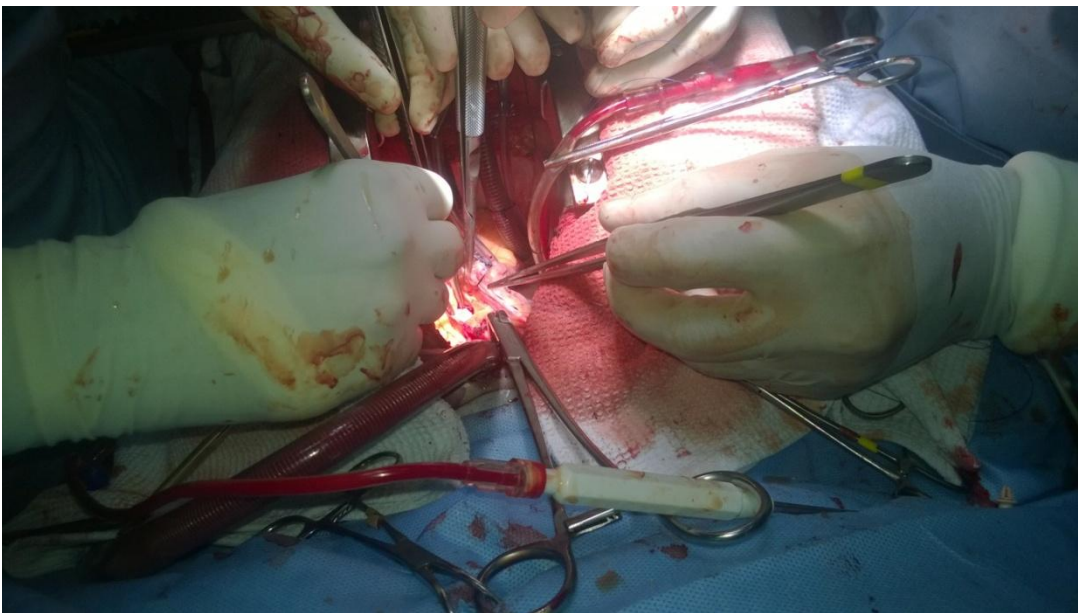
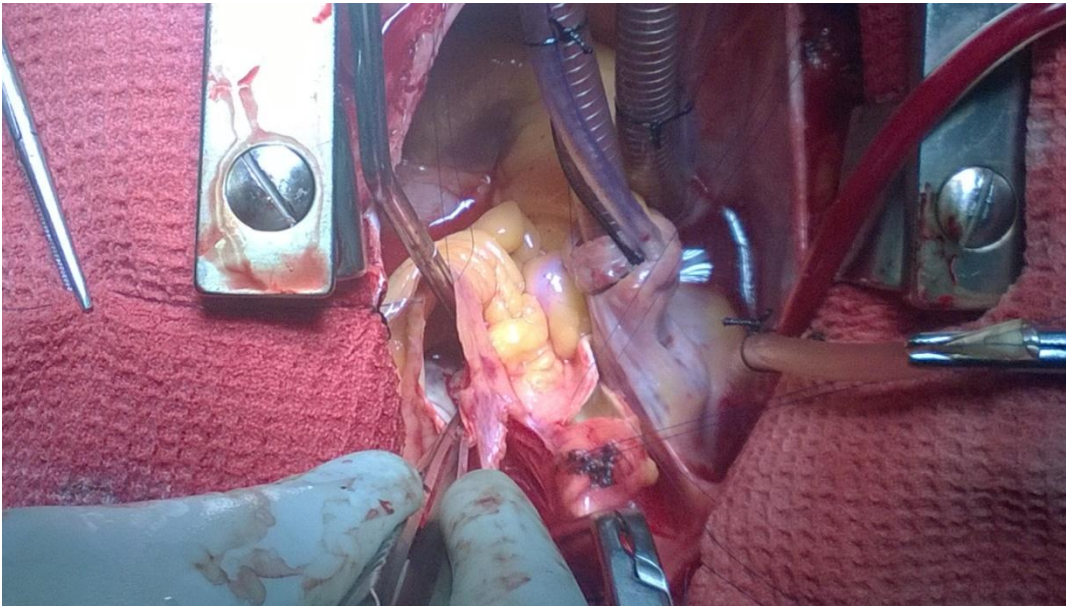
**STEPS:** Primary midline sternotomy. Minimal thymus dissection. Pericardium opened and well created. Patient heparinised. Aortic purse strings taken for cannulation, followed by RAA, IVC purse string. RSPV purse string taken for placing vent. Proximal portion of aortic arch cannulated; venous cannula placed and

went on CPB.LA vented via RSPV. Cooled to 30 degrees. Cold ice slush placed. Aorta cross clamped. Transverse aortotomy made and ostialplegia given. Heart arrested in diastole.Central portion of prolapsing RSOV excised and the defect closed with a dacron patch.PA opened VSD closed with dacron patch with 4-0 pledgetted prolene sutures, PA closed with 4-0 prolene in two layers. Aortotomy closed with 4-0 prolene in two layers.

Heart deaired and cross clamp removed. Root vented. Heart picked up in sinus rhythm. 1 RV pacing wire taken.Came off CPB in stages. Protamine given. Decannulated. Hemostasis ensured. Drains placed, and wound closed in layers.

CPB time: 149 minutes; ACC -125 minutes

**RIGHT SOV ANEURYSM RUPTURED INTO RVOT**



## **PERICARDIECTOMY FOR CONSTRICTIVE PERICARDITIS**

**DIAGNOSIS:** ACHD, OSASD, POST TB CONSTRICTIVE PERICARDITIS,  
GDLV, SR, NC, HBS AG+

**PROCEDURE:**PERICARDIECTOMY + DC OF OS ASD

**HISTORY:** This 41 year male patient presented withh/o DOE since 9 months. Associated with H/o palpitation on exertion (+). No h/o AOE/PND/palpitation/syncope. He was evaluated elsewhere and underwent pericardiocentesis following which he was diagnosed to have tubercular pericardial effusion and started on steroids & ATT. No H/O DM / HTN.

**PHYSICALEXAMINATION:** No pallor/icterus/cyanosis/clubbing/pedal oedema.  
HR: 74/min. RR: 16/min.BP:110/70mmHg.

CVS: Apex beat in (L) 5th ICS.S1S2(+). No murmur

RS/ CNS/Abdomen–WNL

**BLOOD INVESTIGATIONS:** WNL

**CXR:** CTR 50%. No pericardial calcification. B/L lung fields clear.

**ECG:** SR PR 110ms QRS+45, No ST-T changes.

**ECHO:** LV33/25, EF 50%, L A 54 AO25 Septum 12/15 PAH: posterior pericardium thick possibly calcific, 21mm OSASD, 4 PV-LA IVS intact.

**CAG:** LMCA normal LAD Type III normal LCx ND& normal RCA D & normal.

**SURGICAL FINDINGS:**

Thick Pericardium of 4-5 mm with no calcifications.Dense adhesion and constriction noted between the root of aorta and pericardium. Flimsy adhesion noted between the

pericardium and rest of the heart. SS,LC,Normal systemic and pulmonary venous drainage. RA RV dilated. Elliptical OS ASD of 20mm x 10mm. TV normal.PA soft.

**STEPS:** Standard median sternotomy done. Minimal thymus dissection. Pericardium dissected around aorta first with great precautions avoiding injury to aorta. Pericardium was dissected from all surface of the heart by sharp dissection with the help of scissor including inferior adhesions with diaphragm. Heparinised.SVC and IVC dissected & looped.Aortic purse strings taken.RA,IVC purse string taken. Aorta, IVC & RA cannulated. RA cannula directed to SVC. Went on partial CPB. Cardioplegiapurse string taken & cannulated. Aorta cross clamped &cardioplegia administered. Heart arrested in diastole. SVC and IVC snugged and went on total bypass. RA opened. OS ASD was identified. ASD was closed directly with 4-0 prolene. Deairing of left heart done. Cross clamp removed. Heart picked up in sinus rhythm. RA closed in single layer. SVC & IVC unlooped. Patient slowly weaned of bypass slowly. Heparin reversed. Decannulated in stages. Pericardium excised on both sides just anterior to the phrenic nerve. Haemostasis achieved. Pericardial drains placed and chest closed in layers.

ACC time - 11 minutes. CPB time: 37 minutes.

## **FONTAN OPERATION**

**DIAGNOSIS:** CCHD,D-TGA,VSD,PS,CONFLU PA,SR, S/P BDG + ATRIAL SEPTECTOMY+ MPA INTERRUPTION

**PROCEDURE:**REDOSTERNOTOMY + EXTRACARDIAC FONTAN (# 22 PTFE GRAFT) WITH 4MM FENESTRATION

**HISTORY:** This 13yr old female child, born for a NCM of 1st birth order with birth weight 2.5kgby LSCS, diagnosed to have CCHD in neonatal period.This patient underwent balloon atrial septostomy at 2 months of age, followed by Bi-directional Glenn shunt, atrial septectomy, PDA interruption and MPA interruption at 3 years of age. History of developmental delay(+). Now Presenting with progressive DOE and deepening cyanosis for the past 2 years.

**PHYSICAL EXAMINATION:** Thin built. Cyanosis+, clubbing+.No pallor/icterus/pedal oedema . PR: 86/min. RR: 26/min. CVS- Precordium normal, Sternotomy scar +. AI at left 5th ICS.. S1 (N) S2 single.ESM+ at left lower sternal border. P/A: No organomegaly/ascites. RS/ CNS- WNL.

**BLOOD INVESTIGATIONS:**Haemoglobin 22.6 gm/100 ml,Pcv 70.0 % PT 33.3/14.9 seconds INR 2.71

**CXR:**CTR 52%, B/L Lung fields clear.

**ECG:**SR, rate 100/min, PR 140, RVH with strain, RAE.

**ECHO:**SS, LC, 14mm SP VSD L-->R, D-TGA, aorta slightly to right. GLV. Lt arch no CoA, BDG functioning, MPA-11, RPA-11, LPA-9.

**CATH STUDY:** Functioning BDG, Confluent PA anatomy. Normal arborisation of left and right PA.Normal pulmonary venous drainage.

Pressures: RSVC m13, RPA m14, LPA m15

**SURGICAL FINDINGS:** Dense adhesion noted between the heart and undersurface of sternum, Right lung and RA. SS, LC, VA discordance. Aorta dilated and anterior, PA posterior. MPA interrupted. Well functioning BDG, fair sized PA's, No antegrade flow in MPA. Restrictive SA VSD of 1.5x1.5 cm. Pre procedure Glenn pressures: 11 mmHg

Post procedure Fontan pressures 15 mmHg

**STEPS:** Rt groin prepared and femoral vessels exposed and looped. Redo sternotomy done with oscillating saw. Adhesions between the heart and the sternum released. RA injured while dissection, controlled with pledgeted suture. Patient heparinised. Pericardium hitched. Aorto-RA bypass instituted. Dissection continued. Aorta, SVC, PA's upto hilum. While dissecting PA, PA tore and repaired with BPP. IVC dissected, looped. IVC cannulated and connected to CPB. Cardioplegia cannulae inserted and root plegia given. Heart arrested in diastole. SVC and IVC snugged and went on total bypass. RA opened and anatomy assessed. Coronary sinus unroofed. Decided to do an extracardiac fenestrated Fontan procedure. RA closed in single layer. Rewarming started. Left heart deaired. Crossclamp removed and heart slowly picked up in SR. Branch PA's snugged, MPA transected at the confluence and closed proximally with 4-0 Prolene. At the confluence of PA's the defect of MPA extended towards the right for anastomosing with the graft.

22 mm ePTFE graft prepared and superior end bevelled to conform to RPA anastomotic site. Total length approx 10 cm. Graft sutured proximally to the RPA and LPA opening with 6-0 PTFE sutures. PTFE graft anastomosed to the IVC, end to end using 5-0 PTFE sutures. The tube graft fenestrated with 4 mm punch and anastomosed side to side with the RA, a little away from the fenestration by applying sideclamp. Came off bypass in stages with good filling pressures on dobutamine of 5

mic/kg/min. Heparin reversed. Decannulated in stages. Hemostasis secured. LA line introduced. Two atrial and 2 ventricular wires taken. Mediastino-Rt pleural drains placed. Left pleural drain placed. Flowseal applied at the sutureline. Sternum closed with 6 SS No 4 wires. Subcutaneous tissue closed with continuous 2-0 vicryl. Skin closure with interrupted mattress sutures.

CPB time: 330 minutes. ACC time: 40 minutes.

# **ARTERIAL SWITCH OPERATION**

**DIAGNOSIS:** CCHD,DTGA, IVS,RESTRICTIVE ASD,SMALL PDA,SR,NC,S/P  
BAS

**PROCEDURE:** ARTERIAL SWITCH OPERATION

**HISTORY:** 3 days old male child, born of NCM ,of second birth order, cried soon after birth. Born at term by caesarean section for GDM complicating pregnancy. Diagnosed to have CCHD on 2nd postnatal day and underwent BAS. H/o cyanosis (+). No h/o spells/feeding difficulty/LOC/seizures. H/O miscarriage in the first pregnancy.

**PHYSICAL EXAMINATION:** No pallor/icterus/clubbing/pedal oedema .Cyanosis (+). PR: 150/min. All peripheral pulses felt. RR: 54/min. Peripheries warm. sPO2 75% CVS- Precordium normal. AI at 5th ICS Left MCL. S1single S2 (N). No murmur heard. P/A: No organomegaly/ascites. RS: Clear, AE B/L equal. CNS- NAD.

**BLOOD INVESTIGATIONS:** WNL

**CXR:** CTR-50%, B/L lung fields clear

**ECG:** SR- rate 165/min.

**ECHO:**SS, LC, venous drainage normal, large ASD with B/D flow, AV-concordance, VA-discordance, 6 mm ASD, No VSD, Left arch, No CoA, TR- 2+.

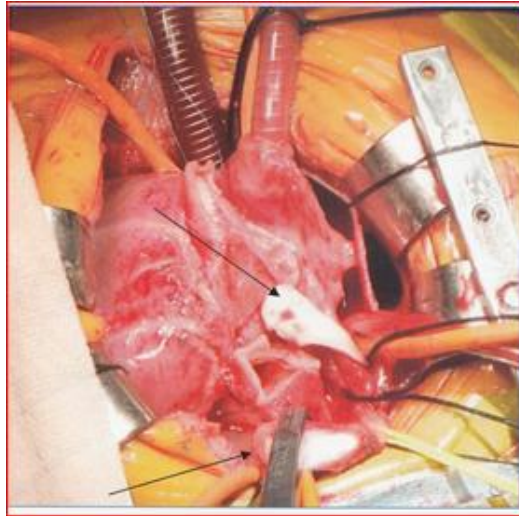
**SURGICAL FINDINGS:** SS/LC, normal systemic and pulmonary venous drainage, Aorta anterior and PA posterior , PA smaller than Aorta. Atrioventricular concordance, Ventriculoarterial discordance, 1 x 0.5 cm flap of BAS, Intact ventricular septum.PDA(+).Coronaries:1LCx2RCA

**STEPS:** Standard midline sternotomy. Thymectomy done. Patch harvesting pericardiotomy, which was given for tanning. Aorta dissected and PA dissected up to

hilum, branches looped. Heparinised. Aorta and RA cannulated and went on Aorto atrial bypass after snugging branch PA's. IVC cannulated and connected to CPB. PDA ligated and divided. LA vent inserted. Cooling started. Cardioplegia cannulation done. Aorta crossclamped. Antegrade Delnodoplegia delivered and prompt diastolic arrest of the heart achieved. Myocardium protected with iced saline slush. Marker stays taken on the PA, at the planned sites of coronary translocation. Aorta transected. Coronary buttons harvested and adequate length of Coronary arteries mobilised. Neo PA reconstructed with tanned pericardial patch posteriorly and the posterior commissure suspended. PA transected just below the bifurcation of the PA. Lecompte manoeuvre done. Incisions for coronary buttons made on the neo aorta at the site of marker stitch. Posterior wall of neo aorta anastomosed to the posterior wall of transected distal aorta. Coronary button anastomosis done after confirming the lie of the coronaries and anterior wall anastomosis completed. Rewarming started. Went on total bypass after pushing the RA cannula into SVC, and snugging SVC and IVC. RA opened and BAS flap identified, and closure done with 6-0 prolene. RA closed in single layer. SVC and IVC de-snugged, back on partial bypass. Deairing done and aortic cross clamp removed. Neo pulmonary artery anastomosed to the PA. Hemostasis confirmed. Heart picked up in sinus bradycardia, for sometime required pacing later own rate picked up to 120/min. Came off bypass in stages with supports Milrinone 0.5 mcg/kg/min and nor-adrenaline 0.02mcg/kg/min. MUF done for 20 min. Protamine reversal. Aorta decannulated. Hemostasis achieved. Two RA, RV pacing wires. Two Mediastinal drains inserted. Sternum stented electively. Skin closed with bagota bag. Baby was shifted to CHICU on supports for elective ventilation.

CPB Time: 184minutes, ACC Time:118 minutes.

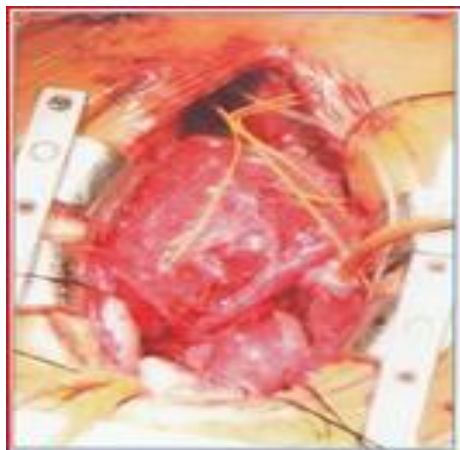
## HARVESTED CORONARY BUTTONS



## CORONARY BUTTON ANASTOMOSIS



## COMPLETED ASO



## ALCAPA

**DIAGNOSIS:** ALCAPA, SCARRED PML, SEV MR, MOD TR, RESTRICTIVE ASD, GDLV, SR

**PROCEDURE:** LCA TRANSLOCATION + MV REPAIR (P2 CHORDAL RELEASE + PARTIAL ANNULOPLASTY) + TV REPAIR

**HISTORY:** 1 year 4 months old female child, 1st born of NCM, cried soon after birth was diagnosed as CHD when the child was evaluated for excessive crying at 1 year of age. H/o dyspnoea and difficulty in feeding (+). H/o poor weight gain (+). No history of cyanotic spells, recurrent respiratory infections. Vaccinated up to age.

**PHYSICAL EXAMINATION:** No pallor/icterus/clubbing/cyanosis. PR: 110/min. SpO<sub>2</sub>: 80%. CVS: S1S2(N). PSM(+). RS/CNS/Abdomen : NAD

**BLOOD INVESTIGATIONS:** WNL

**ECG:** Sinus Rhythm, 110/min, Q wave in lateral leads

**CXR:** Cardiomegaly+, Dilated MPA+, B/L lung fields clear

**ECHO:** SS, LC, AV VA concordance, Normal coronaries, 7mm OS ASD L-R, No VSD, MR 3+, TR 1+, MV annulus 26mm, EF 68%, Myxomatous MVP of AML, PML motion restricted, Gd LV, moderate PAH.

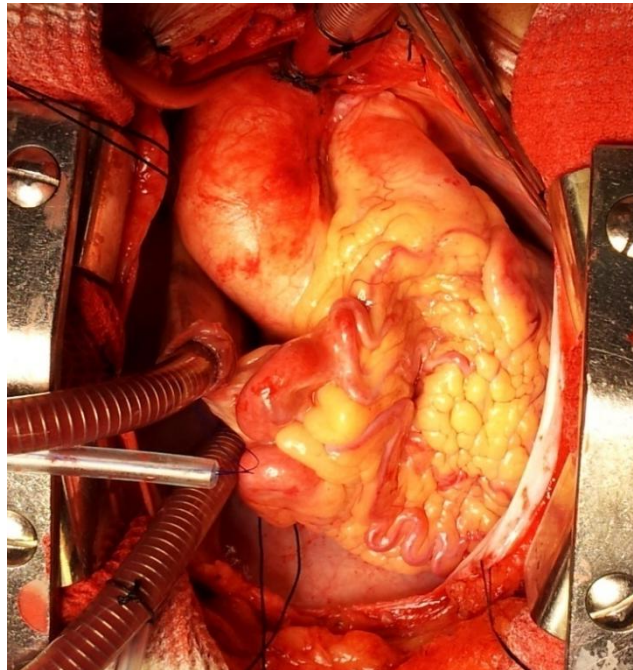
**SURGICAL FINDINGS:** SS, LC. Atrioventricular concordance, Ventriculoarterial concordance, NREGA, Aorta of adequate size. LA & LV dilated. LMCA arising from left facing (posterior) sinus of MPA. RCA arising from Right coronary sinus of Aorta. RPA and LPA of adequate size. Normal pulmonary venous drainage. 0.5 cm ASD(+), PDA(+). Left arch. No COA. AML normal, PML movement restricted by thick primary chordae.

**STEPS:** Primary median sternotomy. Total thymectomy. Patch harvesting pericardiotomy & pericardial well created. Heparinised. Aorto-bicaval bypass instituted. RSPV vent inserted and cooling started. PDA transfixated at both ends with 6-0 prolene and divided. After going on pump, noticed the LCA originating from MPA. Cardioplegia cannulation done. Aorta cross clamped and arrested the heart at diastole. MPA opened and confirmed the LCA origin. Immediately ostial plegia given. Went on total bypass. Aorta-PA groove created. MPA & branches dissected (upto hilum) and branch PAs looped. RPA and LPA snugged. Aorta and PA separated to root as far as possible. PA opened transversely 1 cm above level of pulmonary annulus. LMCA ostium seen in PA and MPA divided completely. Ostial button with LMCA mobilization done. Defect in MPA reconstructed with tanned pericardial patch. Aorta opened 1 cm above level of LCC and ostial Button sutured to Aorta with 8/0 prolene. RA opened and mitral valve approached transseptally. Saline test done and note severe MR. Restricting thick primary chordae of PML transected. Partial annuloplasty was done with Gortex felt. Saline test showed mild MR. Rewarming started. IAS closed and then RA closed in single layer. Dearing done and cross clamp released. Heart slowly picked up in sinus rhythm. After mobilising the branch PAs the the proximal MPA which was reconstructed with pericardial patch was anastomosed with distal MPA. Hemostasis achieved. Glue applied at the anastomotic sites. Two atrial and two ventricular wires placed. Came off with adequate filling pressures with the support of Dobutamine 5 mcg/kg/min and NA-0.05 mcg/kg/min. TEE showed Mod-sev MR. So again went on pump and posteromedial commissuroplasty done. Saline test showed no MR. Acommissuroplasty of the commisure between septal and posterior leaflet of TV done. Came off pump slowly. Hemostasis achieved. 1 Mediastinal & 1 right mediastinopleural drain and left

pleural drain placed. Closure in layers with 6 SS N0 1 wires for sternum, 3-0 monocryl for subcutaneous tissues and 4-0 monocryl sutures for subcuticular layer.

CPB - 260+69 minutes, ACC - 198+37 minutes.

### **PROMINENT RCA AND EPICARDIAL COLLATERALS**



## **CONE REPAIR FOR EBSTEIN ANOMALY**

**DIAGNOSIS:** CCHD,EBSTEIN ANOMOLY OF TV,SEV TR,PFO,GOOD BV FUNCTION,SR

**PROCEDURE:**CONE REPAIR OF TV+ PFO MADE RESTRICTIVE

**HISTORY:**This 4yrs 5 month 1st born female child of NCM of birth weight 2.8kg detected to have occational cyanosis for which she was evaluation detected to have CHD.No H/o spells.No H/o feeding difficulty.No H/o Recurrent RTI.Immunised for age.

**PHYSICAL EXAMINATION :** No pallor/cyanosis/icterus/clubbing/  
lymphadenopathy. PR:90/min,BP-100/60 mm Hg.CVS: S1 S2 (+), S2 split,  
RS/CNS/Abdomen :WNL

**BLOOD INVESTIGATIONS:** WNL

**ECG:**SR at 140/mt ,Axis :+80'

**CXR:** CTR -80%,B/L lung fields clear

**ECHO:**SS,LC,AVVA concordance, RA,RV dilated. STL displaced.No distal thickening of anterior leaflet TR: 3-4+,PR 1+. 8mm ASD,Good BV function,

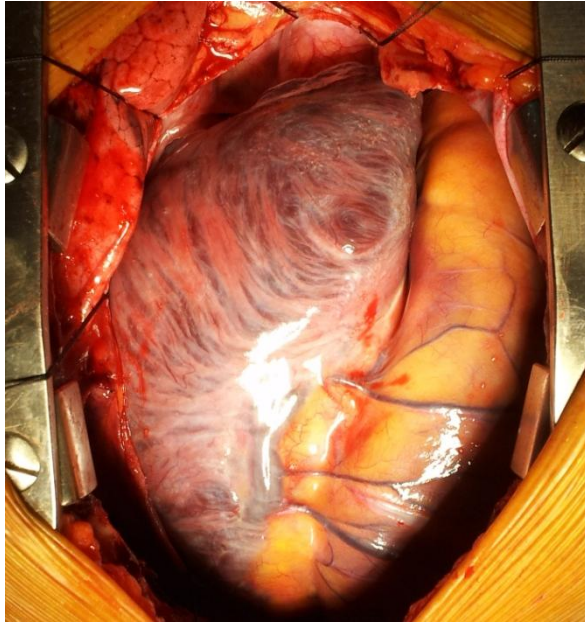
**SURGICAL FINDINGS:** SS/LC, NRGa, Aorta normal, PA normal. Normal pulmonary and systemic venous drainage, RA and RV dilated.Anterior leaflet is large arising from true Tricuspid annulus. The posterior and septal leaflets are plastered to the septal and free wall of ventricle and arising from false annulus. The small atrialized RV enlarged and hypertrophied.PFO measuring 5 mm X 5 mm.

**STEPS:** Median sternotomy. Thymus divided in the midline and Rt lobe excised. Patch harvesting pericardiotomy done & set aside for tanning and well created. Aorta, SVC and IVC dissected. Aortic, RA and IVC purse-strings taken, heparinised

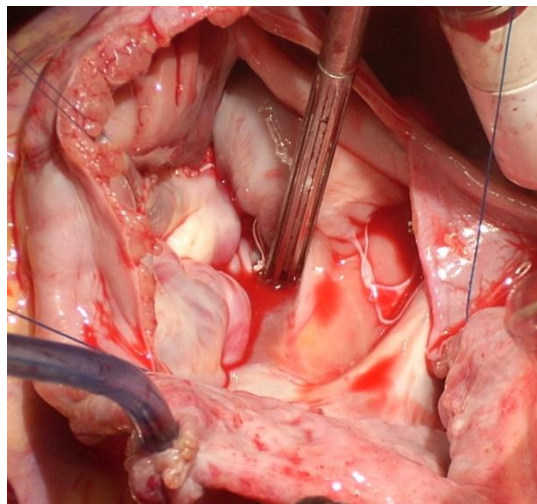
cannulated and Ao-bicaval bypass instituted. Aortic cardioplegia purse-string taken and cannulated. LA vented through RUPV. Aorta clamped, antegrade aortic root cardioplegia given, heart arrested promptly in diastole, topical cold saline applied. SVC and IVC snugged, total bypass instituted. Right atriotomy done, stay sutures taken. Tricuspid valve assessed and the above operative findings noted. The Anterior, posterior and part of septal leaflet detached from false tricuspid annulus. All the leaflets are rotated in a clockwise fashion and reconstructed as a single piece to adequate hegar size using 4-0 Ticron. The anatomic annulus is plicated with 7-0 prolenepledgetted sutures. The reconstructed leaflets are reattached to true anatomic annulus using 6-0 prolene. Post repair saline test done showed mild TR. PFO made restrictive by pledgetted sutures. Rewarming started. RA closed in single layer. Left heart deaired through aortic root cardioplegia cannula, Aorta declamped. 2 x RA, RV pacing wires taken. Heart picked up in SR, came off bypass in stages with optimal filling pressures with the inotropic support of Milrinone 0.5 mcg/kg/min. Heparin reversed with protamine. Decannulated in stages. 1 mediastinal and 1 pericardiopleural drains inserted, haemostasis achieved. Chest closed in layers, sternum with 3 no 2 SS wires, subcutaneous tissue with 2-0 monocryl, skin with 3-0 monocryl. Patient shifted to ICU with stable hemodynamics for elective ventilation.

CPB: 153minutes, ACC:124minutes.

**ANEURYSMAL RA**



**COAPTING TV LEAFLETS  
AFTER CONE REPAIR**



## **NORWOOD PROCEDURE**

**DIAGNOSIS:** HLHS,LEFT ATRIAL ISOMERISM,DORV,COMMON ATRIUM,  
SR

**PROCEDURE:** NORWOOD STAGE I + RMBTS + ATRIAL SEPTECTOMY +  
TRICUSPID VALVE ANNULOPLASTY

**HISTORY:**2 days old male child, 1st born child to NC parents, delivered FTNVD,  
diagnosed to have CHD during evaluation for congenital diseases.

**PHYSICAL EXAMINATION:** HR: 130/min-regular. SPO2: 92%. CVS-  
precordium (N), apex in (R) 5th ICS in MCL.S1 (+).S2 single. No murmur. **RS** -  
WNL. **P/A**-WNL.**NAD**.**CNS** -WNL

**BLOOD INVESTIGATIONS:**WNL

**CXR:** CTR 0.5, BSTS normal, B/L lung fields clear

**ECHO:** SS/LC, PV'S--LA, 6.8mm, ASD-->R, AV concordance, VA discordance, 3.3  
mm mid muscular VSD, IVG 52mmHg, small PDA L-->R, Lt arch, no CoA, dynamic  
LVOTO+.

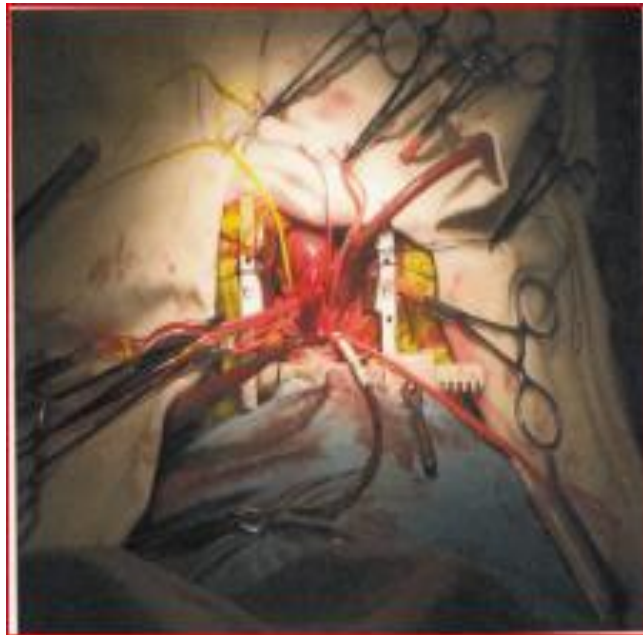
**SURGICAL FINDINGS:**Sternum normal. Thymus +. Innominate vein normal.Left  
isomerism, SV of RV morphology.LV posterior to RV and hypoplastic. Normal  
pulmonary venous drainage.IVC to azygous continuation.Hepatic vein to RA.MPA  
hugely dilated, Branch PAs dilated. Ascending aorta and transverse aortic arch  
hypoplastic .Severe post subclavian artery Coarctation of Aorta +. Large PDA  
supplying DTA.Normal origin of arch vessels with adequate size.Coronary origins  
normal.Pulmonary valve normal. Mild PR +. Aortic valve hypoplastic.Large ASD +  
amounting to single atrium.TV-prolapse causing severe TR.

**STEPS:** Midline sternotomy. Thymus resected. Pericardium harvested & tanned. Innominate vein looped. MPA and branch PA's dissected upto hilum and looped. Aorta, arch and Neck vessels dissected and looped. PDA dissected and looped. Heparinization. A # 3.5 mm PTFE graft sutured to Right innominate artery. 8 Fr Biomedicus cannula inserted into the Innominate through the PTFE graft. RA cannulation done and went on CPB. DTA cannulated via the PDA and systemic cooling started. PDA cannula removed. PDA divided and PA end sutured. MPA divided proximal to confluence. Confluence was reconstructed with tanned pericardial patch. DTA was mobilized. Proximal two intercostal arteries were divided between clips. Arch vessels dissected and looped and clamped with vascular clips. DTA clamped and Right innominate artery clamped at the origin. Antegrade root cardioplegia given. Went on TCA with selective cerebral perfusion with flows reduced to 20 ml/kg. DTA divided proximal to the clamp. Coarctation segment excised with ductal tissue. Undersurface of hypoplastic arch opened upto STJ and the ascending aorta was divided above STJ. Proximal DTA anastomosed to distal arch which was reconstructed with bovine pericardial patch. The walls of Proximal end of MPA and the transected ascending aorta sutured and converted to a single outflow tube. Distal end of the reconstructed outflow tube anastomosed to the proximal end of reconstructed arch. DTA clamp released and arch de-aired. Came off SCP by repositioning the aortic clamp from innominate artery to the proximal reconstructed arch. Vascular clamps released from neck vessels. Gradually went back to normal whole body perfusion on CPB. Another aortic cannula inserted to the proximal arch, connected to the CPB circuit RA opened TV repair done. RA closure. De-airing done. Cross clamp removed. Innominate arterial cannula removed from the PTFE graft. The PTFE graft was trimmed and distally anastomosed to the RPA to form the

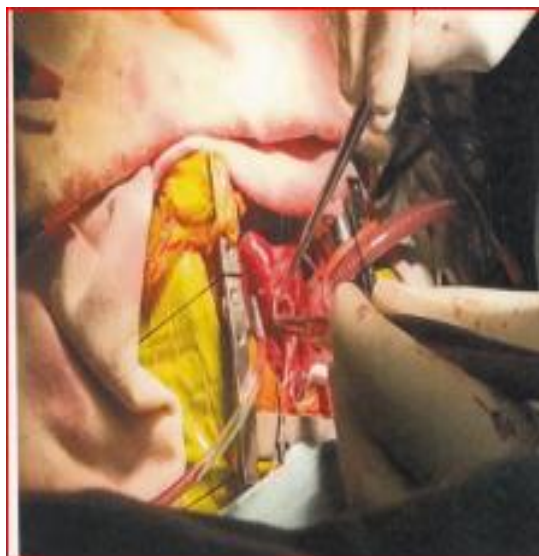
RMBTS. Came off CPB with the inotropic supports.MUF done for 20 mins.  
Heparin reversed with Protamine. Decannulated in stages. Haemostasis achieved.  
Two mediastinal drains inserted. Sternum stented and wound cover given by sterile  
blood bag sutured to the wound margins.

**CPB:** 226+65 minutes**ACC:** 113 minutes.

### **DUCT AND INNOMINATE ARTERY CANNULATION**



### **RECONSTRUCTION OF AORTA**



## **MVR FOR NATIVE VALVE INFECTIVE** **ENDOCARDITIS**

**DIAGNOSIS:** IE(MRSA),SEV MR,SEV PAH,SMA,SEV COA,PE,S/P BALOON DILATATION AND PIGTAIL DRAINAGE OF PE,GDLV,SR.

**PROCEDURE:** DEBRIDEMENT OF MITRAL VALVE+ SUB MITRAL ANEURYSM EXCLUSION+ MVR #23 CHVP on 24/12/2014

**HISTORY:** 12 year old boy with normal developmental history presented with high grade fever with rigor and chills of 10 days duration, Cough for 7 days, breathlessness for 1 day. Symptoms worsened over last 24 hours. He was admitted in a private hospital where he was diagnosed to have native valve endocarditis and referred to us for further management.No past history of Rheumatic fever. No significant past history.

**PHYSICAL EXAMINATION:** Febrile. Tachypnoeic.Pallor(+). No icterus/cyanosis/clubbing/LNE/oedema.HR-120/min, regular, normal volume and character, lower limb pulses -low volume. BP 128/80 in UL, CVS: Apex beat at left 5th ICS 2cm lateral to MCL, S1 soft, S2 split P2>>A2, LV S3+ RS: B/L basal crepitations (+). Abdomen: Liver 4cm below RCM, soft, tender, spleen not palpable, mild ascitis(+).

**BLOOD INVESTIGATIONS:** Total count 9450 cells/cumm P 81 % L 18 % E 1 %. ESR (Westgren) 121 mm/hr, TT 9/8 seconds PT 34.0/14.9 seconds INR 2.78 Serum, Urea Nitrogen 49 mg%, Creatinine 2.70 mg/dL  
LFT- WNL, CreatinePhosphokinase(CPK) 130 U/L

**ECG:** SR, 150/min, PR 120ms, QRS +15 LAE, LVH+

**CXR:** CTR 60%, B/L Lung fields congested, minor fissure effusion.

**ECHO:** Large abscess in AV groove with 3x2 cm large mobile vegetation on MV.

Sev MR, Sev PAH, Sev Post subclavian CoA

**SURGICAL FINDINGS:** Cardiomegaly (+) with LV dilation, Thickened pericardium with Mild pericardial effusion with flimsy adhesion and pus flakes noted in the pericardial cavity (signs of acute pericarditis). Aorta normal, PA normal. Mitral valve: 4x2 cm large vegetation noted involving the whole PML. AML was normal. Submitral aneurysm noted below the PML extending towards AV groove.

**COURSE IN HOSPITAL:** 12 Yr old male child presented with high grade fever of short duration which on evaluation found to have vegetations on the mitral valve with severe LVD and severe CoA. Blood culture grown MRSA. Initially pt was put on inotropes, diuretics, antibiotics and mechanical ventilation. Since pt's condition was not improving, pt was taken for surgical repair following balloon dilatation of CoA. Post procedure pt gradually improved and the supportive measures gradually weaned off. But pt developed loss of vision r eye (CRAO) for which ophthalmology and neurology consultation sought and was treated accordingly. MRSA was treated with sensitive antibiotics Vancomycin, gentamycin and rifampicin. Pt became afebrile but pt's renal parameters started elevating. Hence antibiotics were stopped and nephrology consultation sought and was treated accordingly. At the time of discharge pt is afebrile and hemodynamically stable and renal function was improving.

**STEPS:** Standard Median Sternotomy. Minimal thymic dissection. Pericardiotomy done & well created. Thorough saline wash given. Heparinised. Aorta, SVC and IVC purse string taken, cannulated and bypass instituted. Antegrade cardioplegia cannulation done. Aorta cross clamped and antegrade Delnido cardioplegia delivered. Heart arrested promptly in diastole.

RA opened. Approached Mitral valve trans-septally. AML & PML excised. Submitral aneurysm lay open. Debrided the infected area thoroughly. Excluded the SMA by Bovine pericardium. 13 plegetted No. 2-0 prolene sutures taken at the mitral annulus anteriorly and from the pericardial patch posteriorly. Annulus sized & 23 CHVP. valve seated, tested and tied. Septum closed. Rewarming started. RA closed in a single layer using 3-0 prolene. Left heart deaired. Aortic cross clamp removed. Heart picked up in SR at low rate. 2 RA and RV pacing wire taken and paced @ 90 per minute. Came off bypass in stages with the inotropic support of NA-0.1 mcg/kg/min, Vasopressin 0.0003 u/kg/min and Milrinone 0.5 mcg/kg/min. Protamine reversal. Decannulation done. Hemostasis achieved. 1 Mediastinal and 1 right pleuropericardial drains placed. Wound closed in layers. Patient shifted to CSICU for monitoring and elective ventilation.

CPB Time: 200 minutes, ACC Time: 131 minutes.

# **MITRAL VALVE REPAIR FOLLOWING ASD** **DEVICE CLOSURE**

**DIAGNOSIS:**ACHD,OS ASD,S/P ASD DC (2012),AML PERFORATION,SEV MR,GDLV,SR

**PROCEDURE:** DEVICE RETRIEVAL+MV REPAIR (PP CLOSURE OF AML PERFORATION) + ASD CLOSURE (PP CLOSURE)..

**HISTORY:** 14 year old female child, first order with birth wt. 3.1 kg was born of a NCM by LSCS at term pregnancy detected to have CHD during preoperative evaluation for cleft lip and palate. She had undergone corrective surgery for cleft lip and palate at 10 years of age and ASD DC for OS ASD at 11years of age.

**PHYSICAL EXAMINATION:** Active, alert. No pallor/ icterus/cyanosis. HR:90/min-regular. BP-100/70 mmHg. CVS - No precordial bulge,S1S2 Present, 3/6PSM (+) at apex. RS - Clear, AEBE. P/A - Soft, no hepatomegaly. CNS - No sensory/ motor deficit.

**BLOOD INVESTIGATIONS:** WNL

**ECG:** Sinus arrhythmia with rate @ 75 bpm

**CXR:**CTR 50%, lung fields clear.

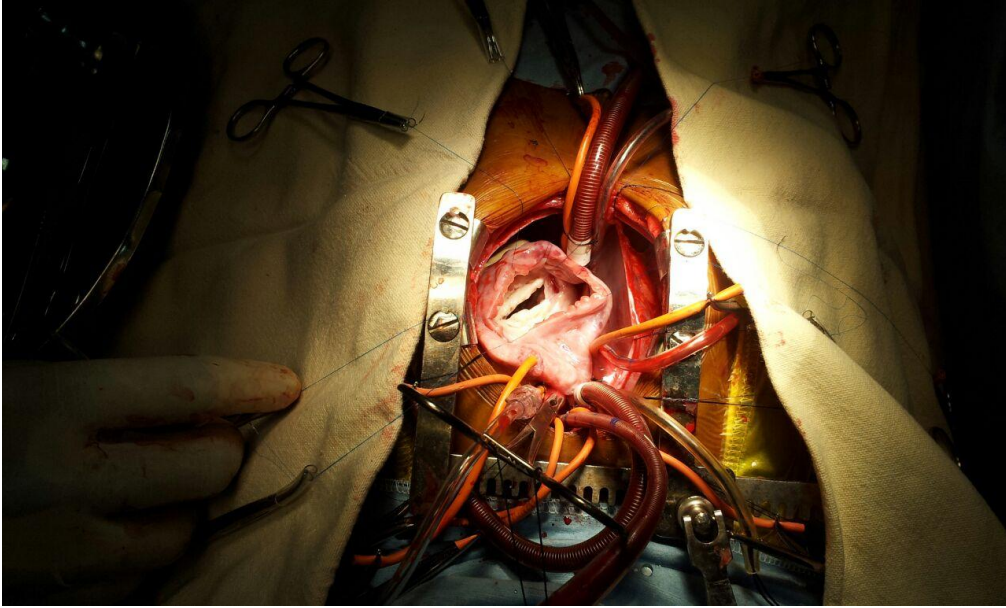
**ECHO:** AML perforation at edge of LA disc of device producing severe MR. Orifice 3mm, no significant PAH, no PE/residual ASD/vegetation.EF 64%.

**SURGICAL FINDINGS:**SS , LC, NRGAs, Normal pulmonary and systemic venous drainage, RA , RV Normal . LV enlarged. Fibrous and endothelized ASD Device in Situ. No residual ASD.MV : AML perforation at A2 segment 0.5 x 0.5 cm causing sev MR ,

ASD of size 3cm x 2.5 cm (after device removal).

**STEPS:** Standard midline sternotomy. Thymus divided in the midline and partially excised. Patch harvesting pericardiotomy done set aside for tanning and well created. Aorta, PA, SVC and IVC dissected. Aortic,SVC and IVC purse-strings taken, heparinised cannulated and Ao-bicaval bypass instituted. Aortic cardioplegia purse-string taken and cannulated. LA Vent Placed .Aorta clamped, antegrade aortic root cardioplegia given. heart arrested promptly in diastole, myocardium protected with topical cold saline. SVC and IVC snugged, total bypass instituted. Right atriotomy done, stay sutures taken.Large oversized ASD device removed after cutting endothelized tissue covering ASD of size 3 x 2 cm after device removal.MV inspected and perforation of 0.5 x 0.5 cm at AML near A2 segment.Pericardial patch closure of perforation done with prolene 5-0 .MR assessed by saline test.ASD edges freshened.ASD closed by prolene 5-0 in continuous fashion with pericardial patch. Rewarming started. LV deaired through aortic root cardioplegia cannula. Heart picked up in SR. Aorta declamped. RA closed in single layer. SVC and IVC snares taken out. LA vent removed and deaired before tightening the last suture.Came off bypass in stages with optimal filling pressures without any support.2 RA and 1 RV pacing wires taken. Heparin reversed with protamine. Decannulated in stages. Rtpleuro-pericardial drains inserted, haemostasis secured. Chest closed in layers, sternum with 4 no 3 SS wires, subcutaneous tissue with 2-0 monocryl, skin with 3-0 monocryl.

CPB: 94 minutes, ACC: 62 minutes.



**RETRIVED CRIBRIFORM ASD DEVICE**

