



DEPARTMENT OF CTVS

DISCHARGE SUMMARY

PATIENT'S NAME : BABY SOMAIYA UID: 759072  
AGE : 9 YEARS IPID: 19727/22/1111  
GENDER : FEMALE DATE OF ADMISSION: 27.01.2023  
BED NO : 1302 DATE OF SURGERY: 30.01.2023  
MOBILE NUMBER : 9012149471 DATE OF DISCHARGE: 04.02.2023  
ADDRESS : 16/910 PATHANKOT , BARUT UP OTHER BHARAT

- PEDIATRIC CARDIOLOGIST : DR MANVINDER SINGH SACHDEV/  
DR.MEHAK ARORA  
- PEDIATRIC CARDIAC SURGEON : DR BALRAM AIRAN  
- PEDIATRIC CARDIAC INTENSIVIST : DR. SUBEETA BAZAZ

**DIAGNOSIS:**

Tetralogy of Fallot

- S/P Left Modified BT shunt (2016)
- Situs solitus levocardia
- Normal systemic & pulmonary venous connection
- Large Perimembranous ventricular septal defect with aortic override
- No additional VSD
- Severe Infundibular and valvar PS, Annulus 13 mm
- Confluent branch PA's 9mm each
- Patent left BT shunt
- Right arch
- Normal LV function

**SURGERY DONE:** Total repair done under GA on 30.01.2023

**HISTORY OF PRESENT ILLNESS:** Baby Somaiya, 9 years old female known case of Tetralogy of Fallot post BT shunt presented with complains of worsening of cyanosis and easy fatiguability. She was admitted in FMRI for surgical management.

**O/E:**

Conscious, oriented.

HR: 120/min

RR: 30/min

BP: 90/50 mmHg

SpO2:72% at room air.

Cyanosis ++

Clubbing ++

No pallor, icterus, lymphadenopathy

RS: Bilateral air entry equal.



A unit of FORTIS HOSPITALS LIMITED

Regd. Office: Escorts Heart Institute and Research Centre, Okhla Road, New Delhi-110 025 (India)  
Tel: +91-11-2682 5000, Fax: +91-11-4162 8435, CIN: U93000DL2009PLC222166

PAN No. AABSP3718N

CVS: S<sub>1</sub> normal, S<sub>2</sub> single, ESM +, continuous murmur +  
PA: Soft, no organomegaly, Bowel sounds present. No tenderness  
CNS: No Focal neurological deficit.  
Weight: 20 kg  
Temp: 98.4 ° F

**PREOPERATIVE INVESTIGATION:**

**BLOOD:**

Parameter Name	Unit	27-01-2023
<b>CARDIOLOGY PACKAGE 1 (SP2900-SRL)</b>		
HEPATITIS C ANTIBODIES		NON REACTIVE
PATIENT VALUE	S/CO	0.48
INTERNATIONAL NORMALIZED RATIO (INR)	RATIO	1.05
MEAN NORMAL PT	SECONDS	11.3
APTT	SECONDS	32.3
APTT CONTROL	SECONDS	30.2
PROTHROMBIN TIME (PT)	SECONDS	11.9
HEPATITIS B SURFACE ANTIGEN		NON REACTIVE
HIV 4TH GEN ASSAY (P24AG + HIV AB)		NON REACTIVE
ABO GROUP		TYPE B
RH TYPE		POSITIVE
POTASSIUM	mmol/L	5.03
CHLORIDE	mmol/L	99
GLUCOSE RANDOM, PLASMA	mg/dL	77
BLOOD UREA NITROGEN	mg/dL	16
CREATININE	mg/dL	0.40
SODIUM	mmol/L	137
HEMATOCRIT	%	53.2
MEAN CORPUSCULAR VOL	fL	87.6
MEAN CORPUSCULAR HGB.	pg	28.7
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	g/dL	32.7
RED CELL DISTRIBUTION WIDTH	%	11.8
MENTZER INDEX		14.4
MEAN PLATELET VOLUME	fL	10.7
SEGMENTED NEUTROPHILS	%	50.5
LYMPHOCYTES	%	39.5
MONOCYTES	%	6.3
EOSINOPHILS	%	3.3
BASOPHILS	%	0.3
ABSOLUTE NEUTROPHIL COUNT	thou/ $\mu$ L	4.04



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PAN No. AABEF3718N

Parameter Name	Unit	27-01-2023
ABSOLUTE LYMPHOCYTE COUNT	thou/ $\mu$ L	3.16
ABSOLUTE MONOCYTE COUNT	thou/ $\mu$ L	0.51
ABSOLUTE EOSINOPHIL COUNT	thou/ $\mu$ L	0.26
ABSOLUTE BASOPHIL COUNT	thou/ $\mu$ L	0.02
NEUTROPHIL LYMPHOCYTE RATIO		1.3
HEMOGLOBIN	g/dL	17.4
RED BLOOD CELL COUNT	mil/ $\mu$ L	6.07
WHITE BLOOD CELL COUNT	thou/ $\mu$ L	7.99
PLATELET COUNT	thou/ $\mu$ L	301
<b>C-REACTIVE PROTEIN, SERUM (1535D-SRL)</b>		
C-REACTIVE PROTEIN	mg/L	<0.6
<b>LIVER FUNCTION TEST (6116-SRL)</b>		
BILIRUBIN, DIRECT	mg/dL	0.16
ALKALINE PHOSPHATASE	U/L	187
TOTAL PROTEIN	g/dL	7.6
ALBUMIN	g/dL	4.9
GLOBULIN	g/dL	2.7
ALBUMIN/GLOBULIN RATIO	RATIO	1.8
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	U/L	30
ALANINE AMINOTRANSFERASE (ALT/SGPT)	U/L	14
GAMMA GLUTAMYL TRANSFERASE (GGT)	U/L	11
BILIRUBIN, TOTAL	mg/dL	0.55

**Chest X-ray :** Both lung fields are clear and show slightly reduced bronchovascular markings. Cardio-mediastinal silhouette is normal. Aortic knuckle is seen on right side-? Right sided aortic arch. Bilateral costophrenic angles are clear. Trachea is central. Bilateral hemi-diaphragms appear normal. Visualized thoracic ribs appear normal.

### ECHO

Tetralogy of Fallot

- Situs solitus levocardia
- Normal systemic & pulmonary venous correction
- Large Perimembranous ventricular septal defect
- No additional VSD
- Severe Infundibular  $\rightarrow$  valvar PS annulus 13 mm
- Confluent branch PA's 9mm each
- Normal LV function
- Intact IAS
- Patent left BT shunt



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PAN No. AABGF3718N

**COURSE IN HOSPITAL:** Patient was admitted and evaluated in detail. She underwent diagnostic cardiac catheterization on 27/1/23 and was planned for total correction of Tetralogy of Fallot. She underwent Total repair done under GA on 30.01.2023. She was shifted to ICU with stable hemodynamics. The child was ventilated with adequate analgesia and sedation for 18 hours and extubated on to oxygen by nasal prongs on 1<sup>st</sup> POD which was slowly weaned off to room air by 3<sup>rd</sup> POD. Inotropes were given in the form of Milrinone Inf (0-2<sup>nd</sup> POD) for its inodilator and lusitropic effect. Patient was shifted to ward on 2<sup>nd</sup> POD. The child is now being discharged in stable with further follow up advice.

**POSTOPERATIVE INVESTIGATION:**

**BLOOD:**

Parameter Name	Unit	31-01-2023
<b>NEPHROLOGY PACKAGE - 1 (SRL-10055)</b>		
PLATELET COUNT	thou/ $\mu$ L	116
SEGMENTED NEUTROPHILS	%	83.6
LYMPHOCYTES	%	7.7
MONOCYTES	%	8.6
EOSINOPHILS	%	0.0
BASOPHILS	%	0.1
ABSOLUTE NEUTROPHIL COUNT	thou/ $\mu$ L	10.68
ABSOLUTE LYMPHOCYTE COUNT	thou/ $\mu$ L	0.98
ABSOLUTE MONOCYTE COUNT	thou/ $\mu$ L	1.10
ABSOLUTE EOSINOPHIL COUNT	thou/ $\mu$ L	0.00
ABSOLUTE BASOPHIL COUNT	thou/ $\mu$ L	0.01
NEUTROPHIL LYMPHOCYTE RATIO		10.9
NUCLEATED RBCS	/100 WBC'S	0
HEMOGLOBIN	g/dL	14.1
RED BLOOD CELL COUNT	mil/ $\mu$ L	4.77
WHITE BLOOD CELL COUNT	thou/ $\mu$ L	12.77
HEMATOCRIT	%	42.0
MEAN CORPUSCULAR VOL	fL	88.1
MEAN CORPUSCULAR HGB.	pg	29.6
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	g/dL	33.6
RED CELL DISTRIBUTION WIDTH	%	13.2
MENTZER INDEX		18.5
MEAN PLATELET VOLUME		10.3
PHOSPHORUS		4.1
POTASSIUM	mmol/L	4.09



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Parameter Name	Unit	31-01-2023
CHLORIDE	mmol/L	104
CREATININE	mg/dL	0.38
AGE	years	9
GLOMERULAR FILTRATION RATE (FEMALE)		254
CALCIUM	mg/dL	9.6
BILIRUBIN, DIRECT	mg/dL	0.34
ALKALINE PHOSPHATASE	U/L	81
TOTAL PROTEIN	g/dL	5.5
ALBUMIN	g/dL	4.2
GLOBULIN	g/dL	1.3
ALBUMIN/GLOBULIN RATIO	RATIO	3.2
BLOOD UREA NITROGEN	mg/dL	8
URIC ACID	mg/dL	4.9
SODIUM	mmol/L	141
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	U/L	79
ALANINE AMINOTRANSFERASE (ALT/SGPT)	U/L	16
GAMMA GLUTAMYL TRANSFERASE (GGT)	U/L	24
BILIRUBIN, TOTAL	mg/dL	0.81

**X-RAY CHEST AP VIEW :** Both lung fields are clear and show slightly reduced bronchovascular markings. Cardio-mediastinal silhouette is normal. Aortic knuckle is seen on right side-? Right sided aortic arch. Bilateral costophrenic angles are clear. Trachea is central. Bilateral hemi-diaphragms appear normal. Visualized thoracic ribs appear normal.

**PRE DISCHARGE ECHO ( 03.02.2023)**

- VSD patch in situ. No residual shunt
- RVOT PG – 60 mmHg
- Moderate PR
- Normal LV function
- No PE

**CONDITION ON DISCHARGE:**

Hemodynamically stable.  
Conscious, afebrile, oriented.  
RR-18/min  
HR-100/min  
Spo2- 97%



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PAN No. AAGS 570N7

**MEDICATION ON DISCHARGE:**

DRUG	DOSE	ROUTE	FREQUENCY	DURATION
SYP TAXIM O	100 MG	ORALLY	TWICE A DAY	5 DAYS
1 tab → TAB LASIX	20MG	ORALLY	ONCE A DAY	TILL REVIEW
1 → TAB PANTOP	20 MG	ORALLY	ONCE A DAY	5 DAYS
TAB CROCIN	300 MG	ORALLY	THRICE A DAY	5 DAYS
SYP A TO Z	5 ML	ORALLY	ONCE A DAY	15 DAYS
TAB ALDACTONE	25 MG	ORALLY	ONCE A DAY	TILL REVIEW
TAB BETALOC	12.5MG	ORALLY	TWICE A DAY	TILL REVIEW

**FOLLOW UP ADVICE:**  
FOLLOW MEDICATIONS.  
DIET AS ADVISED

COME FOR REVIEW ON 11/02/2023 FOR SUTURE REMOVAL.

IN CASE OF EMERGENCY PLEASE CONTACT TO FMRI.

**DR. MANVINDER SINGH SACHDEV**  
DIRECTOR & HEAD  
PEDIATRIC CARDIOLOGY

  
**DR. BALRAM AIRAN**  
PEDIATRIC CARDIAC SURGOEN

**DR. SUBEETA BAZAZ**  
PEDIATRIC CARDIAC INTENSIVIST  
9811140666



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PAN No. AABCF 3718N

### OPERATION NOTE

PATIENT'S NAME : BABY SOMAIYA UID: 759072  
AGE : 9 YEMEN IPID: 19727/22/1111  
GENDER : FEMALE DATE OF ADMISSION: 27.01.2023  
BED NO : 1302 DATE OF SURGERY: 30.01.2023  
MOBILE NUMBER : 9012149471 DATE OF DISCHARGE: 04.02.2023  
ADDRESS : 16/910 PATHANKOT , BARUT UP OTHER BHARAT

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- PEDIATRIC CARDIOLOGIST	: DR MANVINDER SINGH SACHDEV/ DR.MEHAK ARORA
- PEDIATRIC CARDIAC SURGEON	: DR BALRAM AIRAN/DR AKHTAR
- PEDIATRIC CARDIAC INTENSIVIST	: DR. SUBEETA BAZAZ

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#### DIAGNOSIS: Tetralogy of Fallot

- Situs solitus levocardia
- Normal systemic & pulmonary venous connection
- Large Perimembranous ventricular septal defect with aortic override
- No additional VSD
- Severe Infundibular + valvar PS annulus 13 mm
- Confluent branch PA's 9mm each
- Normal LV function

**SURGERY DONE:** Total repair done under GA on 30.01.2023

#### OPERATIVE FINDINGS:

- Mid sternotomy done
- PDA identified , ligated & cut
- Pulmonary valve cut, dilated
- RVOT augmentation done with pericardial patch
- VSD closed with PTEE patch
- Patient gradually weaned off CPB
- Chest closed in layers



**DR. BALRAM AIRAN**  
**PEDIATRIC CARDIAC SURGEON**

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PAN No. AABCF3718N

PATIENT NAME	: Baby Somaiya	AGE	: 9Y/F
DATE	: 27/01/2023	CATH NO	: 12275/2023
UNIT DR NAME	: DR. MANVINDER SINGH SACHDEV/ DR. MEHAK ARORA	U.I.D.NO.	: 7590772

**HISTORY:** 9 Years old a diagnosed case of Tetralogy of Fallot, post op BT shunt (2016) was admitted with complains of cyanosis and easy fatiguability.

**DIAGNOSIS:** Tetralogy of Fallot, large perimembranous VSD with aortic override (bidirectional shunt), severe infundibular and valvar PS, confluent branch PA,s, normal biventricular function, patent left BT shunt

**PROCEDURE DONE:** **Cardiac catheterization**

**ANAESTHESIA:** Under conscious sedation.

**ACCESS:** RFV – 6F  
RFA - 5F

**HEPARIN:** 1000 Units

**Haemodynamics**

FA: 110/75mmHg

**Angiogram:**

1. **RV angiogram** done in LAO + cranial view: Shows a well contractile hypertrophied RV giving rise to pulmonary artery. There is severe infundibular and valvar narrowing noted. Pulmonary valve annulus 12mm. Confluent branch PA's RPA 9mm and LPA 10.5mm.
2. **Innominate vein angiogram** : shows it draining to RSVC to RA. There is an additional retro aortic innominate vein draining into RSVC. No LSVC seen.
3. **LV angiogram** done is LAO 60+ cranial 20 view shows a good sized well contractile LV giving rise to aorta. There is a large subaortic VSD with filling of RV. No additional VSD. No MR.



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4. **Aortic root angiogram** done in LAO 60 view shows normal coronaries. No AR.
5. **Aortic arch angiogram** shows Right aortic arch was noted with patent left BT shunt. No significant aortopulmonary collaterals noted from left and right subclavian arteries.
6. **Aortogram** done in AP view shows no significant aortopulmonary collaterals from descending aorta .

#### FINAL DIAGNOSIS

Tetralogy of Fallot

Large perimembranous VSD with aortic override (bidirectional shunt)

Severe infundibular + supra-ventricular stenosis

Confluent branch PA's RPA 9mm and LPA 10.5mm

Normal biventricular function

Normal coronaries

Right arch

Patent left BT shunt

No significant aortopulmonary collaterals

#### RECOMMENDATION:

**Surgery : Total correction of Tetralogy of Fallot + takedown of left BT shunt**



**DR. MANVINDER SINGH SACHDEV**  
**DIRECTOR & HEAD**  
**PEADIATRIC CARDIOLOGY**



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PAN No. AABCF3718N



IRN:

IRN QR Code

Pateint Name	: Baby Somaiya	Bill No	: 1111231PCS004630
UHID	: 7590772	Bill Date	: 04-Feb-2023 8:25 AM
EpisodeNo	: 19727/23/1111	Admitted on	: 27-Jan-2023 11:01 AM
Age/Sex	: 9 YEAR(S)/Female	Discharged On	: 04-Feb-2023 5:10 PM
Phone No.	: 9012149471	Department	: PAEDIATRIC CARDIOLOGY
Address	: 16/910 PATHANKOT, BARAUT, UP other Baraut	Treating Doctor	: Dr.Manvinder Singh Sachdev
Claim No.	:	Place of Supply	:

Customer Details

Customer Category : Cash

Customer Name : NA

Customer Address :

GSTIN : NOTA114567E

Insurance/Corp. : NA

Customer Site : NA

Old UHID : 994687

TPA Name :

S.No	Particulars	HSN/SAC	Gross Amount	Discount	Net Final Amount
1	INVESTIGATION	999311	299.00	0.00	299.00
2	PACKAGE	999311	290800.00	0.00	290800.00
BILL AMOUNT :			291099.00	0.00	291099.00
CGST:					0.00
SGST:					0.00
NET BILL AMOUNT :					291099.00
Individual Cash Domestic					0.00
PATIENT SHARE :					291099.00
DEPOSIT BY PATIENT :					291099.00
REFUND AMOUNT					0.00
NET PAYABLE AMOUNT :					0.00
INDIVIDUAL CREDIT					0.00

Closed By : Akshay Kumar

Discharge By : Sagar Gupta

Patient/Attendant's Sign :

Name :

Relation :

Phone No :

(Note: All original payment receipts required for Final Bill Clearance.)

Print Date : 04-Feb-2023 5:11 PM



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## Tax Invoice

## INPATIENT DETAIL BILL

GST No. : 06AABCF3718N2ZH

CIN No. : U93000DL2009PLC222166

UPI Scan &amp; Pay



IRN:

## IRN QR Code

<b>Patient Name</b>	Baby Somaiya	<b>Bill No</b>	111123IPCS004630
<b>UHID</b>	7590772	<b>Bill Date</b>	04-Feb-2023 8:25 AM
<b>EpisodeNo</b>	19727/23/1111	<b>Admitted on</b>	27-Jan-2023 11:01 AM
<b>Age/Sex</b>	9 YEAR(S)/Female	<b>Discharged On</b>	04-Feb-2023 5:10 PM
<b>Phone No.</b>	9012149471	<b>Department</b>	PAEDIATRIC CARDIOLOGY
<b>Address</b>	16/910 PATHANKOT, BARAUT, UP other Baraut	<b>Treating Doctor</b>	Dr.Manvinder Singh Sachdev
<b>Claim No</b>		<b>Place of Supply</b>	

## Customer Details

Customer Category : Cash

Customer Name : NA

Customer Address :

GSTIN : NOTA114567E

Insurance/Corp. : NA

Customer Site : NA

Old UHID : 994687

TPA Name:

S.No	Particulars	HSN/SAC	Date	Quantity	Gross Amount	Contractual Discount	Net Gross Amount
1	INVESTIGATION						
	SARS COV -2 REAL TIME PCR	999311	27-Jan-2023	1	299.00	0.00	299.00
	<b>SUB TOTAL</b>				<b>299.00</b>	<b>0.00</b>	<b>299.00</b>
2	PACKAGE						
	PAEDIATRIC-Cardiac Cath (P) CASH	999311	27-Jan-2023	1	20800.00	0.00	20800.00
	Simple surgery -Peads CTVS Level-2 (P) CASH	999311	28-Jan-2023	1	270000.00	0.00	270000.00
	<b>SUB TOTAL</b>				<b>290800.00</b>	<b>0.00</b>	<b>290800.00</b>
<b>BILL AMOUNT :</b>					<b>291099.00</b>	<b>0.00</b>	<b>291099.00</b>
<b>Less Contractual discount</b>							<b>0.00</b>
<b>CGST:</b>							<b>0.00</b>
<b>SGST</b>							<b>0.00</b>
<b>Individual Cash Domestic</b>							<b>0.00</b>
<b>DISCRETIONARY DISCOUNT</b>							<b>0.00</b>
<b>Net PATIENT SHARE :</b>							<b>291099.00</b>
<b>DEPOSIT BY PATIENT :</b>							<b>291099.00</b>
<b>REFUND AMOUNT :</b>							<b>0.00</b>
<b>NET PAYABLE AMOUNT :</b>							<b>0.00</b>
<b>INDIVIDUAL CREDIT AMOUNT</b>							<b>0.00</b>

Closed By Akshay Kumar

Discharge By : Sagar Gupta