

DISCHARGE SUMMARY

PATIENT NAME: MR SAYED BARIZ	AGE: 15 YEARS ; SEX: MALE
REGN NO: 13854346	IPD NO: 105889/25/1201
DATE OF ADMISSION: 19/05/2025	DATE OF DISCHARGE: 22/05/2025
CONSULTANTS: DR. NEERAJ AWASTHY	

FINAL DIAGNOSIS:

- 3mm Patent Ductus Arteriosus (left to right shunt)
- Dilated LA/LV
- Normal sinus rhythm
- Normal ventricular function
- S/P PDA device closure using 6/8 mm Lifetech duct Occluder on 20/05/2025.

INVASIVE PROCEDURE

PDA DEVICE CLOSURE USING 6/8 MM LIFETECH DUCT OCCLUDER ON 20/05/2025

RESUME OF HISTORY:

MR SAYED BARIZ is a 15 years old male, 1st in birth order, born at full term via LSCS delivery with 3.6kg birth weight, had complaint of occasional chest pain and on workup was suspected to have congenital heart disease. On Echo child was diagnosed with Patent Ductus Arteriosus (PDA). Now patient was admitted here at Fortis Escorts Heart Institute, New Delhi on 19/05/2025 for PDA device closure.

On examination, his pulse rate was 81/min, regular, RR 20/min. Saturation in room air was 100%. There was no Tachypnoea, pallor, cyanosis, clubbing, jaundice or edema. Bilateral air entry present. Precordial examination revealed apex in left 5th ICS medial to MCL. S1 normal and S2 present. Continuous murmur was found in the left infraclavicular region. Rest of the systemic examination was unremarkable.

WT ON ADMISSION : 63.1 KG

HEIGHT ON ADMISSION : 164 CM

ECG	:	Sinus rhythm
CHEST X RAY	:	Cardiomegaly, increased pulmonary vascularity

ECHO

Done on 19/05/2025 which revealed normal segmental analysis. Intact IAS. Intact IVS. Laminar inflow. Myxomatous mitral valve. Laminar outflow. PDA 3mm (left to right shunt), max PG= 77mmHg. Left arch. Good bolus of flow across arch. No coarctation of aorta. Normal LVEF. No collection. LVIDd= 4.7cm, LVIDs= 2.8cm, LVPWd= 0.5cm, LVFS= 39.8%

Pre-discharge ECHO

Done on 22/05/2025 revealed PDA device in situ. No residual shunt. Laminar inflow and outflow. Good flow in branch Pas and descending aorta, normal LVEF. No collection.

COURSE IN THE HOSPITAL

MR SAYED BARIZ was admitted in Fortis Escorts Heart Institute, New Delhi for management of large PDA. He underwent PDA device closure using 6/8 mm Lifetech duct Occluder on 20/05/2025 (report attached). Post procedure she was kept in CCU for hemodynamic monitoring. She was hemodynamically stable throughout her stay. She is being discharged in stable condition with advice to regular follow up.

CONDITION AT DISCHARGE: Stable

PLAN FOR CONTINUED CARE:

- TO SEE DR. NEERAJ AWASTHY AFTER ONE MONTHS IN PEDIATRIC ECHO LAB, BASEMENT

DIET : Normal

Name : SYED BARIZ

AGE : 15 Years

Height (cms) : 164

Sex : MALE

Weight (Kg) : 63

HB (%) : 13.4

Registration Number : 13854346

IPD No : 105889/25/1201

Cath Date : 20/05/2025

Cath No. :

Sedation : Ketamine

Admitting Diagnosis :

- Normal atrial arrangement
- Levocardia
- D Loop (Right Hand Topology)
- Concordant atrioventricular connection
- Two patent AV valves
- Concordant ventriculo - arterial connection

Abnormalities :

- Patent ductus arteriosus (3mm)
- Myxomatous mitral valve

Procedure Done :

- Device Closure of PDA

Previous Procedure :

- Nil

Procedure Date

Previous Surgery :

- Nil

Surgery Date

Vascular Access:

Right Femoral
Vein
Right Femoral
Artery

Size

6F
5F

Catheters/Balloons/Stents:

Multipurpose A2

Pigtail catheter

Lifetech delivery system

PDA closure device (cocoon)

French

Size

Length

5F

5F

7F

6x8 mm

Guide Wires:

Size

Length

Configuration

Terumo

0.035

260

straight

Amplatzer
extrastiff

0.035

260

Floppy

Hemodynamics :

Set Name : Basal			
Total Oxygen Consumption:	135	Pulmonary Blood Flow (Qp):	3.85
Systemic Blood Flow (Qs):	3	Qp/Qs:	1.21
QEP:	2.7	Right to Left Shunt:	0.3
Left to Right Shunt:	1.0	Pulmonary Vascular Resistance:	2.6
Systemic Vascular Resistance:	25	Rp/Rs:	0.1
	Site	Sys Dia	Mean Sat
	DAO	130 54	80 96
	PV		*100
	MPA	31 11	18 80
	RA		5
	RV	31	
	LA		8*
	SVC		63

Angiogram :

Aortogram done in left lateral view showed Left Arch, No Coarctation, and PDA measuring 3mm at PA end filling branch PAs.

Comments :

Under fluoroscopic guidance, PDA device closure done using 6/8 mm Lifetech duct Occluder.

Post deployment aortogram (lateral view) revealed, Patent ductus arteriosus device in situ with no residual shunt and laminar flow in descending aorta and pulmonary arteries.

Final Diagnosis:

3mm Patent Ductus Arteriosus (left to right shunt)

Dilated LA/LV

Normal sinus rhythm

Normal ventricular function

S/P PDA device closure using 6/8 mm Lifetech duct Occluder on 20/05/2025.

Done by:

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