

## DISCHARGE SUMMARY

<b>PATIENT NAME:</b> MR SAYED BARIZ	<b>AGE:</b> 15 YEARS ; <b>SEX:</b> MALE
<b>REGN NO:</b> 13854346	<b>IPD NO:</b> 105889/25/1201
<b>DATE OF ADMISSION:</b> 19/05/2025	<b>DATE OF DISCHARGE:</b> 22/05/2025
<b>CONSULTANTS:</b> 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, 1<sup>st</sup> 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 5<sup>th</sup> 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

**Registration Number :** 13854346

**IPD No :** 105889/25/1201

**Weight (Kg) :** 63

**Cath Date :** 20/05/2025

**HB (%) :** 13.4

**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 :**

**Procedure Date**

- Nil

**Previous Surgery :**

**Surgery Date**

- Nil

**Vascular Access:**

**Size**

Right Femoral

6F

Vein

5F

Right Femoral

Artery

**Catheters/Balloons/Stents:**

**French**

**Size**

**Length**

Multipurpose A2

5F

Pigtail catheter

5F

Lifetech delivery system

7F

PDA closure device (cocoon)

6x8 mm

**Guide Wires:**

**Size**

**Length**

**Configuration**

Terumo

0.035

260

straight

Amplatzer  
extrastiff

0.035

260

Floppy

**Hemodynamics :**

Set Name : <b>Basal</b>				
Total Oxygen Consumption:	135		Pulmonary Blood Flow (Qp):	3.65
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
<b>Site</b>	<b>Sys</b>	<b>Dia</b>	<b>Mean</b>	<b>Sat</b>
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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