



**LOKMANYA TILAK MUNICIPAL MEDICAL COLLEGE And  
LOKMANYA TILAK MUNICIPAL GENERAL HOSPITAL,  
SION, MUMBAI - 400 022.**

**DEPARTMENT OF CARDIOLOGY  
ECHO CARDIOGRAPHY AND COLOUR DOPPLER REPORT**

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Name: Humaira  
Height: 127cm

Age: 9 Years  
Weight: 22kg

Sex:

Date: 30/01/26

**FINAL IMPRESSION: CHD:SDS**

Bicuspid Aortic Valve : *severe AS*  
Global LV Hypokinesia  
No PAH  
Severely Compromised LV Systolic Function

**Measurements:**

|                 |      |    |                  |         |    |
|-----------------|------|----|------------------|---------|----|
| LA              | : 24 | mm | IVS (d)          | : 06    | mm |
| AO              | : 14 | mm | LVPW(d)          | : 06    | mm |
| LVID(d)         | : 44 | mm | RA/RV            | : 32/33 | mm |
| LVID (s)        | : 32 | mm | LVEF             | : 10-15 | %  |
| Ascending AO=24 |      |    | Intersinus AO=18 |         |    |

**Global LV Hypokinesia**

Viscero-Atrial Situs Solitus

IVC, SVC → RA

3 pulmonary Veins → LA;

2 Atria;

AV Concordance

IAS Intact

2AV valves structurally normal ;

2 Ventricles

IVS ; Intact

**Normal Biventricular Function**

VA Concordance

No LVOT/RVOT gradient

Aortic & Pulmonary Valve Normal ;

**Fussion OF RCC and LCC Raphe At 120 Clock**

**Commisural Fussion At 3'0 Clock And 9'0 Clock**

**MPA=20mm, RPA=10, LPA=12mm ; AV Vmax = 4.3 m/sec ; AVPI mu = 76/48**

Normally Related Great Artery

MPA & branches are Normal & confluent

Left sided Aortic Arch

No PDA

No PAH

No Coartation of Aorta

Spo2=99%

**ADVICE: BAV After Clinical Stabilsation**

Reviewed by: **Dr. Sriram (Assistant Professor)**  
**Dr. Saurabh (Assistant Professor)**

Study done by : **Dr. Priyanka**  
**Dr. Yogesh**  
(Cardiology Registrar)