



## HASIL ECHOCARDIOGRAPHY

Name **suwardi**,  
Patient Id **156450**  
Birthdate **18/07/1976**

Age **47 years**  
Gender **Male**  
Date **01/12/2023**

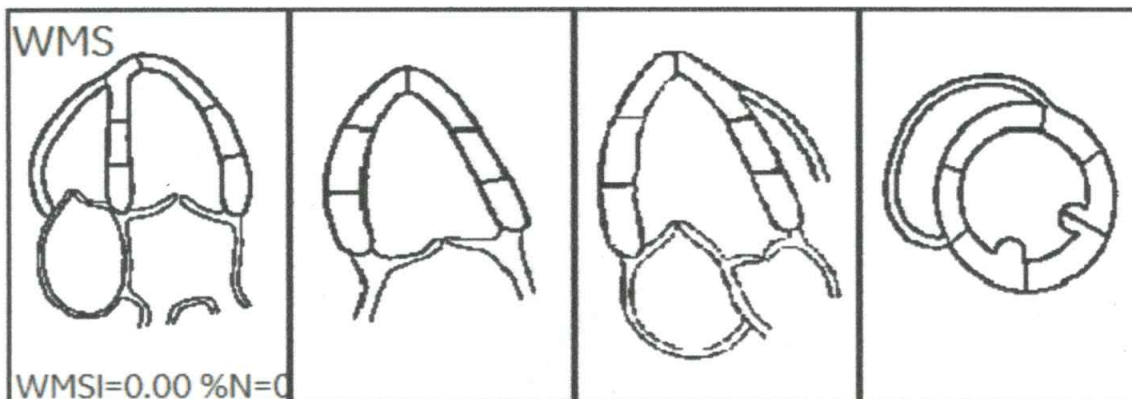
### 2D

### M-Mode

|                |                         |
|----------------|-------------------------|
| Ao Diam        | 2.2 cm                  |
| LA Diam        | 3.5 cm                  |
| LA/Ao          | 1.57                    |
| IVSd           | 0.7 cm                  |
| LVIDd          | 7.4 cm                  |
| LVPWd          | 1.0 cm                  |
| IVSs           | 0.8 cm                  |
| LVIDs          | 6.6 cm                  |
| LVPWs          | 1.5 cm                  |
| EDV(Teich)     | 288 ml                  |
| ESV(Teich)     | 224 ml                  |
| EF(Teich)      | 22 %                    |
| %FS            | 11 %                    |
| SV(Teich)      | 64 ml                   |
| LVd Mass Index | 236.41 g/m <sup>2</sup> |
| RWT            | 0.27                    |
| RVIDd          | 3.8 cm                  |
| TAPSE          | 1.38 cm                 |

### Doppler

|              |                      |
|--------------|----------------------|
| MV E Vel     | 0.77 m/s             |
| MV DecT      | 179 ms               |
| MV Dec Slope | 4.3 m/s <sup>2</sup> |
| MV A Vel     | 0.28 m/s             |
| MV E/A Ratio | 2.76                 |
| E' Sept      | 0.04 m/s             |
| E/E' Sept    | 22.06                |
| E' Lat       | 0.04 m/s             |
| E/E' Lat     | 22.06                |
| E' Avg       | 0.04 m/s             |
| E/E' Avg     | 22.06                |
| MR Vmax      | 3.02 m/s             |
| MR Vmean     | 2.24 m/s             |
| MR maxPG     | 36.48 mmHg           |
| MR meanPG    | 24.10 mmHg           |
| MR VTI       | 106.4 cm             |
| PV AccT      | 91 ms                |
| PV Acc Slope | 3.0 m/s <sup>2</sup> |
| PR Vmax      | 0.97 m/s             |
| PR maxPG     | 3.77 mmHg            |
| PR PHT       | 1022 ms              |
| PR DecT      | 3523 ms              |
| PR Dec Slope | 0.3 m/s <sup>2</sup> |
| TR Vmax      | 2.78 m/s             |
| TR maxPG     | 30.99 mmHg           |
| mPAP         | 37.90                |



### Findings

- Dimensi ruang jantung : Dilated All Chambers
- LVH Eksentrik (+)
- Kontraktilitas LV : Menurun , EF : 22 %
- Kontraktilitas RV : Menurun , TAPSE : 1.38 cm
- Analisa segmental : Global Hipokinetik
- Katup Aorta : 3 Kuspid, Kalsifikasi (-) AR (-)
- Katup Mitral : Mitral Regurgitation Severe
- Katup Trikuspid : Tricuspid Regurgitation Severe
- Katup Pulmonal : Pulmonal Regurgitation Mild , PV acct : 91 m/s
- Doppler : E/A 2.76 DT : 179 m/s E/e' 22.06

### Kesimpulan

- LVH Eksentrik
- Dilated All Chambers
- Fungsi sistolik global dan segmental LV Menurun, EF 22 %
- Disfungsi diastolik LV grade 3
- Global Hipokinetik
- Mitral Regurgitation Severe
- Tricuspid Regurgitation Severe
- Kontraktilitas RV Menurun

  
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(Cardiologist)