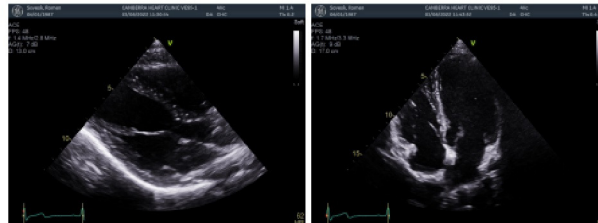


## Transthoracic Echocardiogram

Patient ID: 78005  
Patient Name: Savesk, Romen  
6/114 Barr Smith Avenue, BONYTHON ACT 2905  
Referrer: Dr Khalid Shareef

Exam date: 3/08/2022  
Date of birth: 6/01/1987 (35 years)  
Sex: Male  
Sonographer: Deepa Allada



### Vital Signs

Height 173 cm. Weight 63.7 kg. BMI 21.28 kg/m<sup>2</sup>. BSA 1.76 m<sup>2</sup>. Blood pressure 125/75 mmHg. Heart rate 60 bpm. The resting electrocardiogram demonstrated sinus rhythm.

### Measure

#### M mode

TAPSE 2.1 cm

#### 2D mode

|                  |                      |                  |                      |                 |         |
|------------------|----------------------|------------------|----------------------|-----------------|---------|
| IVSd             | 0.7 cm               | LVESV (MOD BIP)  | 48.3 ml              | LAEDV (MOD BIP) | 58.7 ml |
| LVIDd            | 4.6 cm               | LVESVI (MOD BIP) | 27 ml/m <sup>2</sup> | RAEDV (MOD)     | 42.7 ml |
| LVIDs            | 3.3 cm               | LVEF (MOD BIP)   | 58 %                 | LVOT Diam       | 2.5 cm  |
| LV FS            | 28 %                 |                  |                      | Ao Root Diam    | 3.4 cm  |
| LVPWd            | 0.8 cm               | IVC              | 21.8 mm              | Ao Asc Diam     | 3.4 cm  |
| LVEDV (MOD BIP)  | 115.2 ml             | RV basal         | 3.8 cm               | Ao Arch Diam    | 3.0 cm  |
| LVEDVI (MOD BIP) | 65 ml/m <sup>2</sup> | LAEDVI (A-L)     | 36 ml/m <sup>2</sup> |                 |         |

#### Doppler

|               |          |            |                     |           |           |
|---------------|----------|------------|---------------------|-----------|-----------|
| MV E Velocity | 0.57 m/s | LVOT Vmax  | 0.77 m/s            | TR Vmax   | 1.53 m/s  |
| MV A Velocity | 0.46 m/s | AV Vmax    | 1.01 m/s            | TR max PG | 9.35 mmHg |
| MV E / A      | 1.23     | AV max PG  | 4.08 mmHg           | PV Vmax   | 0.74 m/s  |
| MV Dec. Time  | 155 ms   | AVA (Vmax) | 3.7 cm <sup>2</sup> |           |           |

#### TDI

|                |         |               |         |               |         |
|----------------|---------|---------------|---------|---------------|---------|
| MV E' Sept     | 11 cm/s | MV E' Lat     | 13 cm/s | MV E / E' Avg | 4.7     |
| MV E / E' Sept | 5.3     | MV E / E' Lat | 4.3     | TV S'         | 11 cm/s |

#### Other

|                    |                        |                 |                         |                 |                         |
|--------------------|------------------------|-----------------|-------------------------|-----------------|-------------------------|
| LVIDd Index        | 2.60 cm/m <sup>2</sup> | Index Ao asc    | 1.92 cm/m <sup>2</sup>  | Index LVEDV MOD | 65.45 ml/m <sup>2</sup> |
| LVd Mass Ind (ASE) | 61.46 g/m <sup>2</sup> | LVEF MOD A4C    | 56 %                    | LALd A2C        | 5.3 cm                  |
| RWT                | 0.34                   | Index RAEDV A-L | 24.26 ml/m <sup>2</sup> | LAA d A2C       | 19.2 cm <sup>2</sup>    |
| Index Ao Root      | 1.91 cm/m <sup>2</sup> | MV E/Avg E'     | 4.74                    |                 |                         |

### Indication

Chest pain and occasional palpitations post coronavirus vaccination.

### Left Ventricle

Left ventricular volume normal.  
Left ventricular mass normal.  
Global systolic function:  
Normal systolic function.  
Diastolic function:  
Normal diastolic function.

### Aortic Valve

Trileaflet aortic valve structurally and functionally normal.

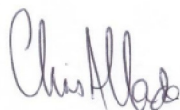
### Mitral Valve

Mitral valve structurally and functionally normal. Trivial mitral regurgitation.

### Left Atrium

Mildly abnormal left atrial volume.

|                         |  |
|-------------------------|--|
| <b>Right Ventricle</b>  | Right ventricle not dilated. Normal systolic function.                                 |
| <b>Tricuspid Valve</b>  | Structurally normal tricuspid valve. Trivial tricuspid regurgitation.                  |
| <b>Right Atrium</b>     | Normal right atrial volume.  |
| <b>Pulmonary Artery</b> | Normal pulmonary pressure.   |
| <b>Pulmonic Valve</b>   | Structurally normal pulmonic valve. Trivial pulmonary regurgitation.                   |
| <b>Pericardium</b>      | Normal pericardium. Effusion: No pericardial effusion.                                 |
| <b>Comments</b>         | Mobile interatrial septum.   |
| <b>Conclusion</b>       | Normal left ventricular size and systolic function.<br>Elevated left atrial dimension. |



Dr Christopher Allada  
Consultant Cardiologist