

Document Type: Consultation Note (CARDIOVASCULA  
Patient: JONES, Cynthia  
DOB: 2/09/1975  
Reference: QCG54197382  
Date: 1/05/2024

Sent From: Cardiovascular Group Queensland  
Sent To: Dr Basil Mantzioris  
Priority: Routine  
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#### ECHOCARDIOGRAPHY REPORT

Patient Name: Cynthia JONES

Profile No: 335645

Date Of Birth: 2/09/1975

Ht/Wt/BSA: 159.00 cm, 55.00 kg, 1.56 m<sup>2</sup>.

Date Of Study: 1/05/2024

Site: Mater Private Cardiology

Indications: Fatigue. Shoulder pain. For cardiac investigations.

Sonographer: K Slocombe

Referring Physician: Dr Basil MANTZIORIS

#### Summary:

1. Normal left ventricular size. LV vol = 58 ml.
2. Normal overall left ventricular systolic function. EF = 57 %.
3. There were no resting regional wall motion abnormalities detected.
4. Normal right ventricular size and systolic function.
5. The interatrial septum appears intact.
6. The aortic valve is trileaflet and structurally normal.
7. Trivial (0-1/4) mitral valve regurgitation.
8. Trivial (0-1/4) tricuspid regurgitation.
9. Normal pulmonary artery systolic pressure. RVSP = 22 mmHg.

10. Normal pericardium.

**CARDIOLOGISTS INTERPRETATION:**

Patient was in sinus rhythm at a rate of 60 bpm.

**Left Ventricle:** The left ventricular internal cavity size was normal. LV vol = 58 ml. Overall LV systolic function was normal. EF = 57 %. No evidence of left ventricular hypertrophy. There were no resting regional wall motion abnormalities detected. Normal LV filling pressures (E/e' ratio = 5).

**Right Ventricle:** Normal right ventricular size, wall thickness, and systolic function. RV S' = 11 cm/s.

**Left Atrium:** The left atrium was normal at 23 ml/m2.

**Right Atrium:** The right atrium was normal in size and structure.

**Pericardium:** The pericardium appears normal.

**Aortic Valve:** The aortic valve is trileaflet and structurally normal. PPG 4 mmHg.

**Mitral Valve:** The mitral valve is normal in structure. Trivial (0-1/4) mitral valve regurgitation was seen.

**Tricuspid Valve:** Trivial (0-1/4) tricuspid regurgitation was visualised. The tricuspid regurgitant velocity is 2.2 m/s, and with an assumed right atrial pressure of 3 mmHg, the estimated right ventricular systolic pressure is normal at 22 mmHg.

**Aorta:** The aortic root and ascending aorta are structurally normal, with no evidence of dilatation. The trans sinus diameter measures at 2.7 cm. The ascending aorta measures at 2.8 cm.

**Shunts:** The interatrial septum appears intact.

**Reported By:** Dr Przemek PALKA (Cardiologist)

This letter has been electronically approved.

**CALCULATIONS & MEASUREMENTS - ECHO**

**2D and M-MODE MEASUREMENTS (normal ranges within parentheses):**

**Left Ventricle 2D:** IVS d 0.6 cm. LVPW d 0.6 cm. LVID d 3.9 cm.

**Atrial Areas/Volume:** LA Area = 12 cm2. LA Volume = 35 ml, 42ml. LA Volume index = 23ml/m2 23 ml/m2. RA Area = 13 cm2.

**LV SYSTOLIC FUNCTION:**

LV Vol 58 ml. LV Vol (BSA/SEX) ULN 95 mls. LV EF = 57 %. LV Vol index 37 ml/m2.

**LV DIASTOLIC FUNCTION:**

MV Peak E = 0.6 m/s, MV Peak A = 0.3 m/s, Decel Time = 206 msec.

E' MV Ann = 12 cm/s, E/e' ratio = 5, E/A Ratio = 1.6, e' LV lateral = 14 cm/s, Lat E/e' ratio = 4.



**SPECTRAL DOPPLER ANALYSIS (where applicable):**

**Mitral Valve:** MV P1/2 Time = 59.6 msec. MV area, PHT 3.7 cm<sup>2</sup>.

**Aortic Valve:** AoV Max Vel = 1.0 m/s, AoV Peak PG = 4 mmHg, LVOT Vmax = 0.7 m/s. DPI = 0.67.

**Tricuspid Valve and PA/RV Systolic Pressure:** TR Max Velocity = 2.2 m/s RA pressure = 3 mmHg RVSP/PASP = 22 mmHg. RV S' = 11 cm/s 11 cm/s.

**Pulmonary Valve:** PV Max velocity = 0.8 m/s, PV Max PG = 3 mmHg.

Cynthia JONES, 2/09/1975, 335645, 1/05/2024

**Final**

**Copies:**

**Referring Doctor:** Mantzioris Dr Basil [242450TL]

**GP:** [ ]

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