

Echo Report

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Name **Verschuur, Menno**
Birthdate **17/02/1974**
Age **44**
Sex **Male**
Height **188.0 cm (6 ft 2.0 in)**
Weight **101.6 kg (224.0 lbs)**
BSA **2.28 m²**

Date **26/11/2018**
Sonographer **Theresa Barefoot, RDCS**
Ref. Doc. **Dr. Denise Osterloh**
Referral Reasons **Decompression Sickness**
Diagn.Phys. Name **Joseph L Barefoot, MD**

2D

IVSd	1.0 cm	(< 1.2)
LVIDd	5.2 cm	(< 5.7)
LVPWd	0.8 cm	(< 1.2)
LVIDs	3.6 cm	(< 4.0)
LA Diam	3.9 cm	(< 4.0)
Ao asc	3.2 cm	(< 3.8)
RA Area	14.1 cm ²	(< 18.0)
LA Area	22.0 cm ²	(< 21.0) !
EF Biplane	60 %	
LAESV Index (A-L)	36.32 ml/m ²	

M-Mode

Ao Diam	3.4 cm
AV Cusp	2.2 cm
LA Diam	4.0 cm

Doppler

E/E'	8.08	(< 14.00)
LVOT maxPG	4.80 mmHg	
AV maxPG	5.17 mmHg	
TR Vmax	1.90 m/s	
RVSP	19.51 mmHg	(< 36.00)

Findings:

Study quality: 2D, M-mode, Doppler, color Doppler, and tissue Doppler echocardiography were performed from the usual imaging windows. This was a technically good study. An agitated saline injection (bubble study) is performed.

ECG rhythm: Sinus rhythm.

Left Ventricle: The left ventricular ejection fraction as calculated by the biplane method of disks is 60%. LV diastolic function is normal as determined by ASE 2016 criteria. The left ventricular wall thickness is normal. The left ventricular size is normal.

Left Atrium: The left atrial volume is indexed per BSA and is mildly increased.

Right Atrium: The right atrial size is normal. Agitated saline injection reveals no trans-interatrial septal passage of bubbles within 3 cardiac cycles.

Right Ventricle: The right ventricle is normal in size.

Aortic Valve: The aortic valve is trileaflet and appears structurally normal. There is no aortic stenosis or regurgitation.

Mitral Valve: The mitral valve appears normal without stenosis, prolapse, or regurgitation.

Tricuspid Valve: The tricuspid valve appears structurally normal. Trace (physiologic) tricuspid regurgitation is present. Right ventricular systolic pressure is normal at < 35 mmHg.

Pulmonic Valve: The pulmonic valve appears structurally normal.

Pericardium: The pericardium appears normal and is without effusion.

Aorta: The aortic root, ascending aorta and aortic arch are normal.

Inferior Vena Cava: The inferior vena cava appears normal and collapses with the sniff

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Summary and Conclusions:

- 1. Normal global LV systolic function. EF = 60%.**
- 2. Mild left atrial enlargement.**
- 3. No color flow Doppler or agitated saline (bubble study) evidence for PFO.**