

Status:Finalized

Transthoracic echocardiogram report

DEMOGRAPHICS

Patient name:	Boric Muris Mr	Patient ID:	499645
Date of birth:	11/11/1985	Gender:	Male
Age:	37 year(s)	BSA:	2 m ²
Height:	180 cm	Weight:	80 kg

Reporting Cardiologist: Luan Huynh

Sonographer: B Bohlin

Procedure Information

Accession no:	2460284	Study location:	Modbury
Start date time:	4/01/2023 4:04 PM	Technical quality:	Fair
Rhythm:	Sinus rhythm		

Additional Indications

Chest pain/discomfort ongoing since Covid vaccine 12 months ago.

Conclusions

Summary: **Normal left ventricular size and systolic function.**
 Mild mitral regurgitation.
 Normal right heart.



Electronically signed by Luan Huynh (Reporting Cardiologist) on 5/01/2023 at 1:25 PM

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Findings

Left Ventricle:	Normal left ventricular size and function. Simpson's Ejection Fraction (Biplane) = 60 %. Normal left ventricular wall thickness. Normal diastolic function. E:E' = 4 (avg).
Left Atrium:	Normal left atrial size. Left atrial area = 15.3 cm ² . Left atrial volume indexed for BSA = 26 ml/m ² .
Aortic Valve:	Aortic valve is trileaflet, opens well. No aortic stenosis. No aortic regurgitation.
Aorta:	Normal size aortic root.
Mitral Valve:	Thin, mobile mitral valve leaflets. Mild mitral regurgitation.
Right Ventricle:	Normal right heart size and function. Trivial tricuspid regurgitation. Unable to estimate right ventricular systolic pressure. Normal inferior vena cava.
Pericardium & Pleura:	Tiny pericardial space/separation noted.
Shunts findings:	Intact interatrial septum.

Left Ventricle

LVIDD:	5.1 cm	LVIDS:	2.9 cm
LVIDD index:	2.5 cm/m ²	LVIDS index:	1.5 cm/m ²
IVSd:	0.8 cm	FS:	42 %
PWd:	0.9 cm	LV length:	9.6 cm
LV mass (linear):	154.9 g		
LV mass Index:	77.6 g/m ²		

LV Ejection Fraction - Simpson

LVEDV (A4C):	113 ml	LVEDVI (A4C):	57 ml/m ²
LVESV (A4C):	44.3 ml	LVESVI (A4C):	22 ml/m ²
LVEDV (A2C):	99.6 ml	LVEDVI (A2C):	50 ml/m ²
LVESV (A2C):	41.4 ml	LVESVI (A2C):	21 ml/m ²
LVEDV (Biplane):	107.2 ml	LVESVI (Biplane):	21.5 ml/m ²
LVESV (Biplane):	42.9 ml	LVEDVI (Biplane):	53.7 ml/m ²
EF (A4C):	61 %	EF (A2C):	58 %
EF (Biplane):	60 %		

LV Diastolic Function

E' Septal velocity:	11.5 cm/s
E/E' Septal:	4.9

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Left Ventricle: M-Mode

LVEDV (Teich):	122.1 ml	LVESV (Teich):	33 ml
EF (Teich):	73 %		

Left Atrium

LA area (A4C):	15.3 cm ²	LA volume (BP):	52 ml
LA volume (A4C):	42.6 ml	LA volume (BP) Index:	26 ml/m ²
LA volume (A4C) Index:	21.4 ml/m ²		

Aortic Valve

Peak velocity:	131.1 cm/s	Peak gradient:	6.9 mmHg
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LVOT

LVOT diameter:	2.3 cm
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Aorta

Aortic root (2D):	3.7 cm
Ascending Ao (prox):	3.39 cm

Mitral Valve

Peak E-wave:	56.8 cm/s	Peak A-wave:	56.8 cm/s
Deceleration time:	223 ms	E/A ratio:	1