



Cardiopulmonary Diagnostic Services

TRANS THORACIC ECHOCARDIOGRAPHY (ECHO)

Name	: KHAN, SHAHARYAR	M.R.	: 464-91-02	Age	: 26 Y
Rpt. No.	: 2023:ECH08989	Date	: 30/11/2023 14:07	Sex	: Male
Ref. Dr.	: Yawer Saeed	Source	: CC-NW2		
Height (cm)	: 177.00	Weight (Kg)	: 82.00	BSA	: 2.00
Heart Rate (HR)	: 74.00	Blood Pressure (BP)	: 112/78	BMI	: 26.17

Indication : Palpitations

Measurements :

	Patient Value	Normal Value
LV Internal Dimension Ed.	: 42 mm	Male 42-58 mm, Female 38-52 mm
LV Internal Dimension	: 19 mm	Male 25-40 mm, Female 22-35 mm
I.V. Septum	: 8 mm	Male 6-10 mm, Female 6-9 mm
Post. Wall	: 7 mm	Male 6-10 mm, Female 6-9 mm
LA Volume Index	: 21 ml/msq	Male 16-34 ml/msq, Female 16-34 ml/msq
Aortic Root	: 28.00 mm	Male 26 ± 3 mm, Female 23 ± 2 mm
LVOT Diameter	: 2.10 cm	-
LVOT VTI	: 19.00 cm	-
Stroke Volume of LVOT	: 66.00 mL	-
Area 1 of Left Atrium	: 16.2 cm-sq	-
Area 2 of Left Atrium	: 14.1 cm-sq	-
Length 1 of Left Atrium	: 4.7 mm	-
Length 2 of Left Atrium	: 43 mm	-
Left Atrium Volume	: 41.3 mL	-
E Velocity	: 0.72 m/sec	-
E' Velocity	: 0.11 m/sec	-
E/E'	: 7	-

This report is electronically signed and does not require original signature.

Stadium Road, P.O. Box 3500, Karachi- 74800, Pakistan Telephone : 92-21-34930051 Ext. 5780 Fax: 92-21-34934294, 34932095

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INTERPRETATION

Study Quality : Study quality is adequate.

Cardiac Chambers:

Left Atrium : Left atrium is normal in size.

Right Atrium : Right atrium is normal in size.

Left Ventricle : Left ventricle is normal in size. There is no left ventricular hypertrophy. Left ventricular systolic function is normal. Visually estimated ejection fraction is approximately 55-60%. No segmental wall motion abnormalities noted. Normal transmitral inflow pattern. Normal pulmonary vein Doppler. E/E' is 7, suggestive of normal LV filling pressure.

Right Ventricle : Right ventricle is normal in size. Right ventricular systolic function is normal.

Valves:

Aortic Valve : Aortic valve is normal with no stenosis. No aortic regurgitation.

Mitral Valve : Mitral valve is normal with no stenosis. No mitral regurgitation.

Tricuspid Valve : Tricuspid valve is normal with no stenosis. Trace tricuspid regurgitation. Normal size inferior vena cava with preserved inspiratory collapse.

Pulmonic Valve : Pulmonary valve is normal with no stenosis. No pulmonary regurgitation.

Miscellaneous:

Aorta : Aortic root and ascending aorta are normal in size.

Pericardium : Pericardium appears normal with no pericardial effusion.

Others : No obvious clot or vegetation noted.

CONCLUSION

Cardiac chambers are of normal size.

Normal left ventricular systolic and diastolic function.

Dr Javed Majid Tai

MBBS, FCPS (Med), FCPS (Card).

Diplomate, American Board of Echocardiography.

Assistant Professor and Consultant Cardiologist

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