

Patient ID	: ML10136991	Patient Name	: Mr. Arun Kumar Tripathi
Gender	: Male	Age	: 57Y
Encounter ID	: 207340980001	Encounter Type	: Outpatient
Visit Date	: 26/11/2022 10:08	Location	: Diagnostic Clinic
Speciality	: Cardiology	Attending Practitioner	: Dr P K Goel

Transthoracic Echo
Lab No :- 1131
M-Mode Measurements

Aortic root diameter	<u>2.9</u>	(2.0 - 3.7 < 2.2 cm /m ²)
Aortic Valve opening	<u>-</u>	(1.5 - 2.6 cm)
Right ventricular dimension	<u>-</u>	(0.7 - 2.6 <1.4 cm/m ²)
Right ventricular thickness	<u>-</u>	(0.3 - 0.9 cm)
Left atrial dimension	<u>3.7</u>	(1.9 - 4.0 cm [2.2 cm/m ²])
Left ventricular ED dimension	<u>4.8</u>	(3.7 - 5.6 cm [3.2 cm/m ²])
Left ventricular ES dimension	<u>2.6</u>	(2.2 - 4.0 cm [2.1 cm/m ²])
Inter ventricular septal thickness	ED <u>1.0</u> ES <u>1.5</u>	(0.6 - 1.2 cm)
Left vent PW thickness	ED <u>1.0</u> ES <u>1.3</u>	(0.5 - 1.0 cm)
IVS / LVPW	<u>- %</u> FS <u>-</u>	%

INDICES OF LEFT VENTRICLE FUNCTION

LVEDV	<u>-</u> ml LVESV <u>-</u>	ml
Mitral E-Septal Separation	<u>-</u>	<0.9 cm
LV Ejection Fraction	<u>55%</u>	60 +/- 62%

2D Description [Wall Motion & Valves]

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DOPPLER

Aortic Valve			Aortic regurgitation			
Peak. Velocity	125	cms/sec	Length	-	Area	-

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Mean Velocity	-	cms/sec	Pressure 1/2 time	-	m. second
Max. PG	-	mm Hg	Mean Velocity	-	cms/sec
Mean PG	-	mm Hg	Mean PG	-	mm Hg
LVET	-	m.seconds			

Mitral Valve
Mitral Regurgitation

Max. Velocity	-	cms/sec	Length - cm	Area -	cm/m ²
E- Velocity	-	cms/sec	Pressure 1/2 time		-
A - Velocity	82	cms/sec	Orifice area		-
Mean Velocity	57	cms/sec			
Max. PG	-	mm Hg			
Mean. PG	-	mm Hg			

Pulmonary Valve
Tricuspid Valve

Max. Velocity	-	cms/sec	Max. Velocity	-	cms/sec
Mean Velocity	-	cms/sec	Max. PG	16	mmHg+RAP
Pressure 1/2 time	-	m. second	Regular jet	-	cm from valve
RVET	-	m. second	TAPSE	-	mm

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COLOR FLOW

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TISSUE DOPPLER

Mitral Annular (E') Velocity- Medial : 7 cm/s ; Mitral Annular (E') Velocity-Lateral : 10 cm/s ; E/E' : -

FINAL DIAGNOSIS :-

1. Hypokinetic mid basal inferior wall; LVEF= 60%.
2. Normal right ventricular systolic function.
3. Concentric left ventricular hypertrophy, rest cardiac chamber dimensions normal..
4. No MR, Trace TR (PASP = 16 mmHg + RAP), Trace AR, No AS.
5. Mitral inflow pattern-normal.
6. No apparent intracardiac clot / vegetation / pericardial effusion seen.
7. IVC normal in size.

REVIEW NOTES (IF ANY) :-

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PERFORMED BY :-**REVIEWED BY:-**

DR. ROLI SRIVASTAVA
CONSULTANT- CARDIOLOGY
MEDANTA HEART INSTITUTE

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DR. AVINASH SINGH
CONSULTANT
MD (MEDICINE), DM (CARDIOLOGY)
INTERVENTIONAL CARDIOLOGY
MEDANTA HEART INSTITUTE

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