Transthoracic Echocardiogram
Study Report

ECHO DEMO
October 07, 2009

Med Rec No:	123456	**Indications:**	
DOB:	1978-08-25		
Age:	32		
Gender:	M	**Equip. Used:**	
BSA:	null m2	**Location:**	
Height:		**Sonographer:**	
Weight:		**Study Time:**	10:52 AM
Blood Pressure:		**Referring:**	Unassigned Demo
		Reading:	Unassigned Demo

Left Ventricle		*Normal*
IVSd:	1.0 cm	(0.6 - 1.1)
2D LVIDd:	4.9 cm	(3.5 - 6.0)
2D LVIDs:	2.5 cm	(2.1 - 4.0)
LVPWd:	1.0 cm	(0.6 - 1.1)
EF:	80.0 %	(>50)
LVFS:	49.0 %	(20 - 40)
Left Atrium		
LA 2D:	3.2 cm	M(3.0 - 4.0) F(2.7 - 3.8)

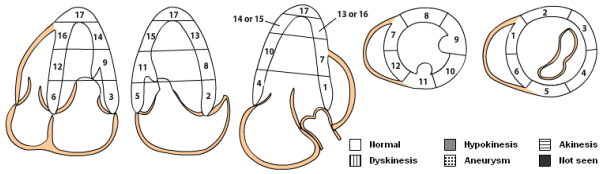
Mitral Valve		*Normal*
MVA:	3.5 cm2	(4.0 - 6.0)
MV E vel:	1.1 m/sec	(0.7 - 1.2)
MV A vel:	0.9 m/sec	(0.42 - 0.7)
E/A:	1.2	(1.0 - 2.2)
MV PHT:	63.6 msec	(3.0 - 6.0)
MV DT:	178.2 msec	(150 - 240)
Tricuspid Valve		
TR peak vel:	2.5 m/sec	
TR peak grad:	24.0 mmHg	
RVSP:	29.0 mmHg	
RAP:	5.0 mmHg	

Aorta		*Normal*
2D AoD:	2.8 cm	(2.0 - 4.0)
LA/Ao:	1.1	
Aortic Valve		
LVOT vel:	1.4 m/sec	
LVOT peak grad	7.4 mmHg	
AV peak vel:	1.6 m/sec	
AV peak grad:	10.1 mmHg	
AV mean grad:	6.0 mmHg	
VTI Ao:	43.3 cm	(18 - 22)
AV PHT:	414.8 msec	
AV DT:	1430.4 msec	
Pulmonic Valve		
PV peak vel:	1.0 m/sec	
PV peak grad:	3.7 mmHg	

Findings:

1. Left ventricular cavity is normal in size. Normal global wall motion. Hyperdynamic systolic global function. Calculated EF 80%.
2. Left atrium size is normal.
3. Right atrium size is normal.
4. Right ventricle is normal in size and function.
5. Normal trileaflet aortic valve, with normal systolic flow pattern, with no regurgitation noted.
6. Structurally normal mitral valve with normal diastolic flow pattern.
7. Structurally normal tricuspid valve with normal diastolic flow pattern.
8. Pulmonic valve is normal in structure and function.
9. No significant pericardial effusion. No evidence for pleural effusion.
10. Normal aortic root.
11. Normal pulmonary artery.
12. IVC is normal with respiratory variation.

Study Quality: Excellent



Conclusion:

Left ventricular cavity is normal in size. Normal global wall motion. Hyperdynamic systolic global function. Calculated EF 80%. Aortic valve. Mild aortic regurgitation. Mild mitral regurgitation. Normal diastolic flow pattern. Mild tricuspid regurgitation.

Mark Smith
Electronically Signed on CoreWeb
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