



**METROPOLITAN CARDIOLOGY
CONSULTANTS GOSHEN**
30 HATFIELD LANE
GOSHEN NY 10924
845-294-7610

Harriet S Lefkowitz

ECHO ADULT COMPLETE
Order# 589112568

Reading physician: Hurwitz, Seth, MD Ordering physician: Hurwitz, Seth, MD Study date: 12/19/19

Patient Information

Patient Name	MRN	Sex	DOB
Harriet S Lefkowitz	1073368	Female	12/25/1952 (66 y.o.)

Reason for Exam

chest pain

Dx: Chest pain, unspecified type [R07.9 (ICD-10-CM)]

Comments:

Priority: Routine

Vitals

Weight	Height	BSA (calculated - sq m)	BP	Pulse (Heart Rate)
131 lb (59.4 kg)	5' 3" (1.6 m)	1.63 sq meters		

Interpretation Summary

- Normal cavity size, wall thickness, systolic function (ejection fraction normal) and diastolic function. Estimated left ventricular ejection fraction is 60 - 65%.
- Mild mitral valve prolapse of the posterior leaflet. Mild mitral valve regurgitation is present.

Echo Findings

Left Ventricle Normal cavity size, wall thickness, systolic function (ejection fraction normal) and diastolic function. The estimated ejection fraction is 60 - 65%.

Left Atrium Normal cavity size. No atrial septal defect present. No patent foramen ovale visualized.

Right Ventricle Normal cavity size, wall thickness and global systolic function.

Right Atrium Normal cavity size.

Aortic Valve Normal valve structure, trileaflet valve structure, no stenosis and no regurgitation.

Mitral Valve No stenosis. Mild mitral valve prolapse of the posterior leaflet. Mild regurgitation.

Tricuspid Valve Normal valve structure and no stenosis. Trace regurgitation.

Pulmonic Valve Normal valve structure, no stenosis and no regurgitation.

Aorta Normal aortic root.

IVC/Hepatic

Veins Normal structure.

Pericardium No evidence of pericardial effusion.

TTE procedure Findings

TTE Procedure (Image quality: adequate. Color flow Doppler was performed and pulse wave and/or Information continuous wave Doppler was performed. No contrast was given.

Procedure Staff

Technologist/Clinician: Glannetta, Michelle
Supporting Staff: None
Performing Physician/Midlevel: None

Exam Completion Date/Time: 12/19/19 12:02 PM

2D Volume Measurements

	ESV	ESV Index	EDV	EDV Index	EF
LV Biplane	26.2 mL (Range: 19 - 49)	16.2 mL/m ²	62.8 mL (Range: 56 - 104)	38.9 mL/m ²	58.3 % (Range: 55 - 100)
LV A4C	21.2 mL	13.1 mL/m ²	67.1 mL	41.5 mL/m ²	69 %
LV A2C	29.7 mL	18.4 mL/m ²	55.3 mL	34.2 mL/m ²	46 %
LA A4C	28.89 mL (Range: 22 - 52)	17.88 mL/m ² (Range: 16 - 28)			

2D/M-Mode Measurements

Dimensions

Measurement	Value (Range)
LVIDs	2.49 cm
LVIDd	3.68 cm (3.9 - 5.3) †
IVSd	1.08 cm (0.6 - 0.9) †
LVPWd	1.11 cm (0.6 - 0.9) †
LV Mass AL	145.5 g (67 - 162)
LV Mass AL Index	90.1 g/m ² (43 - 95)
Left Atrium Major Axis	0 cm
LA Area 4C	13.1 cm ²

IVC/Hepatic Measurements

Dimensions

Inferior Vena Cava Diameter Sniffing	1.63 cm
--------------------------------------	---------

Aorta Measurements

Aorta

Measurement	Value (Range)
AO ASC D	0 cm
Ao Root D	2.71 cm

Aortic Valve Measurements

Stenosis	LVOT
Aortic Valve 152.94 cm/s	LVOT Peak 130.98 cm/s
Systolic	Velocity
Peak	LVOT Peak 6.9 mmHg
Velocity	Gradient
AoV PG 9.4 mmHg	

Tricuspid Valve Measurements

Regurgitation

Tricuspid 21.2
Valve mmHg
Regurgitation
Peak
Gradient
TR Max 230.18
Velocity cm/s

Diastolic Filling/Shunts

Diastolic Filling

Left Ventricle Isovolumic 73.9 ms
Relaxation Time
Mitral Valve E Wave 241.3 ms
Deceleration Time
MV E Vel 76.53 cm/s
MV A Vel 87.17 cm/s
MV E/A 0.88
Pulmonary Vein "A" 67.2 cm/s
Wave Velocity
P Vein A Dur 105.4 ms
Pulm Vein Peak D 54.42 cm/s
Velocity
PULV S/D 1.8

Signed

Electronically signed by Hurwitz, Seth, MD on 12/19/19 at 1207 EST