



Medical Records - CONFIDENTIAL

FROM: AL - Montgomery Cardiovascular Assoc, PC

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Name: MANN, RACHAEL

DOB: 06/23/1983

Date Range: 01/01/2022 to 12/19/2022

This document contains the following records of the patient:

- **Imaging Results**

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[ID:203149-A-11015]

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MANN, Rachael (id #203149, dob: 06/23/1983)

Imaging Results

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MANN, Rachael (Id #203149, dob: 06/23/1983)**ECHOCARDIOGRAM (#5420501, Final, 12/16/2022 8:28am)**

Montgomery Cardiovascular Associates, P.C.
645 McQueen Smith Road
Prattville AL 36066-7268
Phone: (334) 280-1500

Accredited By: Intersocietal Accreditation Commission for Echocardiography

Transthoracic Echocardiogram Report

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Name: MANN, RACHAEL Study Date: 12/16/2022 Height: 6
5 in :
MRN: 999203149 Weight: 2
45 lb :
DOB: 06/23/1983 Gender: Female
BSA: 2.2
m2 :
Age: 39 yrs BP: 161/9
5 mmHg:
Reason For Study: Hypertension, Lower Extremity Edema HR: 80
Ordering Physician: Dr. Ashwini Sharma, MD Performed By: Rachel M Lane
Referring Physician: Lindsey Barton, CRNP

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Interpretation Summary

The left ventricular size, thickness and function are normal.
Left Ventricular ejection fraction = 65-70%.
No diastolic dysfunction parameters to suggest elevated left atrial pressure or congestive heart failure.
The right ventricle is normal in size and function.
Right ventricular systolic pressure is <20mmHg.
The inferior vena cava is normal in size, with a normal collapsibility index.

Normal echocardiogram

Procedure: A complete two-dimensional transthoracic echocardiogram was performed (2D, M-mode, spectral and color flow Doppler). Study Quality: Fair.
Left Ventricle: The left ventricular size, thickness and function are normal.
Left Ventricular ejection fraction = 65-70%. Global Strain not indicated. No regional wall motion abnormalities noted. No diastolic dysfunction parameters to suggest elevated left atrial pressure or congestive heart failure.
Left Atrium: The left atrial size is normal.
Right Ventricle: The right ventricle is normal in size and function.
Right Atrium: Right atrial size is normal.
Mitral Valve: There is mild mitral valve thickening. There is trace mitral regurgitation.
Aortic Valve: The aortic valve is trileaflet. The aortic valve opens well. No aortic regurgitation is present. No hemodynamically significant valvular aortic stenosis.
Tricuspid Valve: The tricuspid valve is not well visualized. There is Trace to mild tricuspid regurgitation. Right ventricular systolic pressure is <20mmHg.
Pulmonic Valve: The pulmonic valve is not well visualized. Trace pulmonic valvular regurgitation.
Aorta/PA: The aortic root is normal size.
PV/IVC/Hepatic: The inferior vena cava is normal in size, with a normal collapsibility index.
Pericardium: There is no pericardial effusion.

MMode/2D Measurements & Calculations

IVSd: 1.0 cm	LVIDd: 5.3 cm	FS: 39.3 %	MVA(traced):
LVIDs: 3.2 cm	EDV(Teich):		
LVPWd: 1.1 cm	137.4 ml	4.5 cm2	
	ESV(Teich): 42.2 ml		
	EF(Teich): 69.3 %		

Ao root diam: 3.2 cm LVOT diam: 2.2 cm IVC diam: 1.6 cm

Please notify
normal echo.
1/5/23
J. Barton, CRNP

patient is notified & is scheduled
for a renal US. Pending US results.
2/2/2023 - renal ultrasound

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Ao root area: LVOT area:
8.0 cm² 4.0 cm²
LA dimension: 3.9 cm

Doppler Measurements & Calculations

MV E max vel:	MV dec slope:	Ao V2 max:	LV V1 max PG:
98.2 cm/sec	611.5 cm/sec ²	131.7 cm/sec	5.6 mmHg
MV A max vel:	MV dec time: 0.17 sec	Ao max PG:	LV V1 mean PG:
60.9 cm/sec		7.0 mmHg	3.4 mmHg
MV E/A: 1.6		Ao V2 mean:	LV V1 max:
		92.4 cm/sec	117.9 cm/sec
		Ao mean PG:	LV V1 mean:
		3.9 mmHg	86.0 cm/sec
		Ao V2 VTI: 29.0 cm	LV V1 VTI: 26.3 cm
		AVA(I,D): 3.6 cm ²	
		AVA(V,D): 3.6 cm ²	

MR max vel:	SV(LVOT): 104.3 ml	PA V2 max:	TR max vel:
140.8 cm/sec		119.6 cm/sec	173.1 cm/sec
MR max PG: 7.9 mmHg		PA max PG:	TR max PG:
	5.7 mmHg	14.4 mmHg	
	PA V2 mean:	RVSP(TR): 19.4 mmHg	
	81.2 cm/sec		
	PA mean PG:		
	3.0 mmHg		
	PA V2 VTI: 27.8 cm		
	PA acc time:		
	0.15 sec		

RAP systole:	PA pr(Accel):
5.0 mmHg	10.9 mmHg

Electronically signed by: Dr. Ashwini Sharma, MD on 12/19/2022 11:03 AM
[https://ISCV-C-SRV.ad.baptistfirst.org/GetReport.asp?](https://ISCV-C-SRV.ad.baptistfirst.org/GetReport.asp?Modality=US&StudyInstanceUID=1.2.840.113619.2.390.10843.1671179301.70.1)
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