

Apr/25/2025 12:22:55 PM

HCA 8439705814

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Received by Centene: 2025-04-25 11:03:33 CST

TRIDENT MEDICAL CENTER  
9330 MEDICAL PLAZA DRIVE  
CHARLESTON, SC 29406

NAME: DE LOS SANTOS MARIN,DANIEL      ROOM #: D.313-A  
UNIT #: D000755916      ACCT #: D00081633618  
Report Name: Echocardiogram      Pt Loc: D.T3FL

11 n 3

Trident Medical System  
9330 Medical Plaza Dr  
Charleston. SC 29445

Transthoracic Comp 2D, M-mode, spectral Doppler and color Doppler

Name:	DANIEL DE LOS SANTOS MARIN	DOB:	08/01/1947
MR #:	D000755916	Study Date:	02/07/2025
Admission #:	D00081633618	Pt Status:	Inpatient
UR #:	D856360	Gender:	Male
Accession #:	D2502070012ECHO	Age:	77 years
Height:	67 in.	Weight:	188.00 lbs.
BSA:	1.97 m2	BP:	149 mmHg / 69
mmHg			

Procedure Staff  
Reading Physician: Christopher P Mccarty, MD  
Sonographer: N'Dia Small  
Ordering Physician: Christopher P Mccarty, MD  
Referring Physician: Mitul Patel  
Reading Group: Atlantic Cardiovascular Associates  
Indication: Myocardial infarction without ST elevation (NSTEMI)

Conclusions

Left Ventricle:

- The left ventricular size is normal.
- The left ventricular ejection fraction is estimated to be 60-65%.
- The left ventricular wall thickness is normal.
- The left ventricular systolic function is normal.
- Regional wall motion is normal.
- Grade I diastolic dysfunction (impaired relaxation).

Aortic Valve:

- There is mild aortic valve regurgitation.

Exam Details

Procedure Ordered: ECHO 2D Complete with color Doppler and spectral  
Doppler  
Procedure Components: Complete 2D imaging  
Image Quality: Fair

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Technical Limitations: Echocardiographic views were limited by poor  
acoustic window availability  
Facility Location: Bedside

Clinical Data  
Hypertension: Yes

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Known CAD: Yes  
Comment: Hx CVA, CAD PCI 02/05/25

#### Findings

##### Left Ventricle:

The left ventricular size is normal. The left ventricular ejection fraction is estimated to be 60-65%. The left ventricular wall thickness is normal. The left ventricular systolic function is normal. Regional wall motion is normal. Grade I diastolic dysfunction (impaired relaxation).

##### Right Ventricle:

The right ventricle is normal in size. The right ventricular systolic function is normal. The right ventricular systolic pressure can not be calculated due to an inadequate tricuspid regurgitant jet.

##### Left Atrium:

The left atrium is normal in size.

##### Right Atrium:

The right atrium is normal in size.

##### Mitral Valve:

The mitral valve leaflets exhibit normal leaflet excursion. There is no mitral valve stenosis. There is trivial mitral valve regurgitation.

##### Aortic Valve:

The aortic valve is trileaflet. The aortic cusps have normal leaflet motion. There is no aortic valve stenosis. There is mild aortic valve regurgitation.

##### Aortic Valve Measurements

AVA D (continuity eq. VTI): 2.3 cm<sup>2</sup>.

##### Tricuspid Valve:

The tricuspid valve was structurally normal. There is no tricuspid stenosis. There is no tricuspid valve regurgitation.

##### Pulmonic Valve:

Pulmonic valve is poorly visualized. There is trivial pulmonic valve regurgitation.

##### Aorta:

The aortic root exhibits normal size.

##### Great Vessels:

##### Pulmonary Artery:

The pulmonary artery is poorly visualized.

##### IVC:

The inferior vena cava is normal in size with normal respiratory collapse

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consistent with normal right atrial pressure. RA Pressure: 3 mmHg.

Pericardium:

The pericardium is normal in appearance. There is no pericardial effusion.

Measurements

Left Ventricle

Label	Value	Normal Value
LVOT Vmax	1.15 m/s	(0.7m/s - 1.1m/s)
LVOTd	19 mm	(19mm - 21mm)
LVDD, 2D	51 mm	(0mm - 58mm)
LVDS, 2D	37 mm	(25mm - 40mm)
LVPWd, 2D	9.59 mm	(6mm - 11.99mm)
LVEF, 2D	52 %	(52% - 72%)

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LV Mass, 2D ASE	187 g	(96g - 200g)
LVSF, MOD4	57 ml	
LVSF, MOD2	49 ml	
LVSF Index, MOD4	28.9 ml/m2	
LVSF Index, MOD2	24.9 ml/m2	
LVSF, 2D	65 ml	
LVESVI, 2D	29.9 ml/m2	
LVSVI, 2D	33.0 ml/m2	
LVSV_LVOT	76 ml	
LVOT SI	38.6	
Interventricular Septum		
Label	Value	Normal Value
IVSD, 2D	10.35 mm	(6mm - 11.99mm)
Right Ventricle		
Label	Value	Normal Value
TV S'	17.56 cm/s	
Left Atrium		
Label	Value	Normal Value
LADS long.	54 mm	
LADS, 2D	52 mm	(0mm - 40mm)
LAD Index, 2D	2.6 cm/m2	
LA Area s, A4C	16.0 cm2	(0cm2 - 20cm2)
LA Area s, A2C	16.9 cm2	(0cm2 - 20cm2)
LA/AO Ratio, MM	1.53	
LAESV, A-L	42 ml	
LAESV index, A-L	21.3 ml/m2	(0ml/m2 - 34ml/m2)
Right Atrium		
Label	Value	Normal Value
RADS long.	45 mm	(29mm - 45mm)
RA Area s, A4C	12.4 cm2	
RA Vol, 2D	28 ml	

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RA Vol Index	14.2 ml/m2	(0ml/m2 - 39ml/m2)
Aortic Valve		
Label	Value	Normal Value
AV Vmean	0.98 m/s	
AV VTI	31.24 cm	
AV PGmax, Curve	9 mmHg	
AV PGmean	5 mmHg	
AVA D (continuity eq. Vmax)	2.1 cm2	
AR PHT	0.470 s	
AR Slope	2.5 m/s2	
AV Vmax, Curve	1.54 m/s	(1m/s - 1.7m/s)
Dimensionless Index	0.83	
AVA D (continuity eq. VTI)	2.3 cm2	
AVA Index (continuity eq. Vmax)	1.07 cm2/m2	
AVA Index (continuity eq. VTI)	1.17 cm2/m2	
Mitral Valve		
Label	Value	Normal Value

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MV E Vmax	0.73 m/s	
MV A Vmax	0.91 m/s	
MV E/A	0.80	
MV E' septal	0.06 m/s	
MV Vmax	1.06 m/s	
MV Vmean	0.66 m/s	
MV VTI	29.99 cm	
MVA D (continuity eq. Vmax)	2.5 cm2	
MV PGmax	5 mmHg	
MV PGmean	2 mmHg	
MV E' lateral	0.07 m/s	
MV E/E' mean	11.23	
MV E' mean	0.06 m/s	
Tricuspid Valve		
Label	Value	Normal Value
RA Pressure	3 mmHg	
Great Vessels		
Label	Value	Normal Value
IVC, 2D	12 mm	(12mm - 23mm)

Electronically signed by Christopher P Mccarty, MD on 02/07/2025 at 10:14 AM  
(No Signature Object)

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