

Patient's Name : Mr. Biswajit Nath , Age : 53 years Echo No : 363 / 2022

Ref. By : CASTROL IND.LTD.HEALTH CHECKUP. Sex : Male Date : 29/12/2022

**2D ECHO & DOPPLER STUDY**

**2D POOR WINDOW**

Normal LV size with Good contractility.  
NO RWMA..  
Ovrall LVEF – 67% ( M.Mode Method)  
**Type I. Diastolic Dysfunction.**  
LA normal in size.  
RA normal size., RV normal size with good contractility.  
Aortic Valve normal with adequate opening.  
No AR.  
Mitral valve normal with adequate opening.  
No MR  
Tricuspid valve normal with adequate opening.  
No TR  
No Pulmonary Hypertension.  
Pulmonary valve structurally normal with adequate opening.  
No. PR.  
IAS Intact. IVS Intact.  
No clot.  
No clot , vegetation or pericardial effusion noted.

**Conclusion – Normal 2D Echo & Doppler study.**  
**LVEF: 67% ( M.Mode Method)**  
**Good biventricular systolic function.**  
**Type I Diastolic dysfunction.**  
**No RWMA .**



**Dr. Pooja Tandel.**  
M.D. (Medicine) FCCCM

**TV**

TV VTI	0.16	m	TV E Vel	0.59	m/s
TV A Vel	0.73	m/s	TV E Dec Time	128	ms
TV E PG	1.4	mmHg	TV A PG	2.1	mmHg
TV Vmax	0.73	m/s	TV maxPG	2.1	mmHg
TV Vmean	0.45	m/s	TV mean PG	0.9	mmHg
TV E/A	0.80				

**TR**

TR Vmax	0.14	m/s	TR max PG	0.1	mmHg
RAP	5.0	mmHg	RVSP	5.1	mmHg

**Pulmonary A**

PA VTI	0.14	m	PA Vmean	0.44	m/s
PA mean PG	0.9	mmHg	PA Vmax	0.70	m/s
PA max PG	2.0	mmHg	PA Sys Press	5.1	mmHg
PA Acc Time	160	ms			

**AVA (VTI)**

AV VTI	0.13	m	AV Vmax	0.84	m/s
			[0.84, 0.84]		

LVOT VTI	0.16	m	LVOT Vmax	0.96	m/s
			[0.98, 0.95]		

**Qp/Qs**

PA VTI	0.14	m	LVOT VTI	0.16	m
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**Mitral Annulus TDI**

s' Lat	0.10	m/s	e' Lat	0.10	m/s
a' Lat	0.14	m/s	e'/a' Lat	0.72	
E/e' Lat	7.14		s' Sept	0.10	m/s
e' Sept	0.08	m/s	a' Sept	0.16	m/s
e'/a' Sept	0.54		E/e' Sept	8.83	
e' Avg	0.09	m/s	a' Avg	0.15	m/s
e'/a' Avg	0.63		E/e' Avg	7.90	

**MVA (VTI)**

MV VTI	0.17	m	MV Vmax	0.90	m/s
LVOT VTI	0.16	m	LVOT Vmax	0.96	m/s
			[0.98, 0.95]		

# VIBRANT MULTISPECIALITY HOSPITAL

## VAPI

### Patient Data

Last Name	NATH	First Name	BIJWAJIT
Middle Name	KALCHAND		
Age	53 y		
Gender	M		
Exam Date	29/Dec/2022		
Referring Physician	CASTROL HEALTH CHECKUP		
Performing Physician	DR. POOJA TANDEL	Report Date	29/Dec/2022

### Cardiac

### Absolute velocity used

### M-Mode

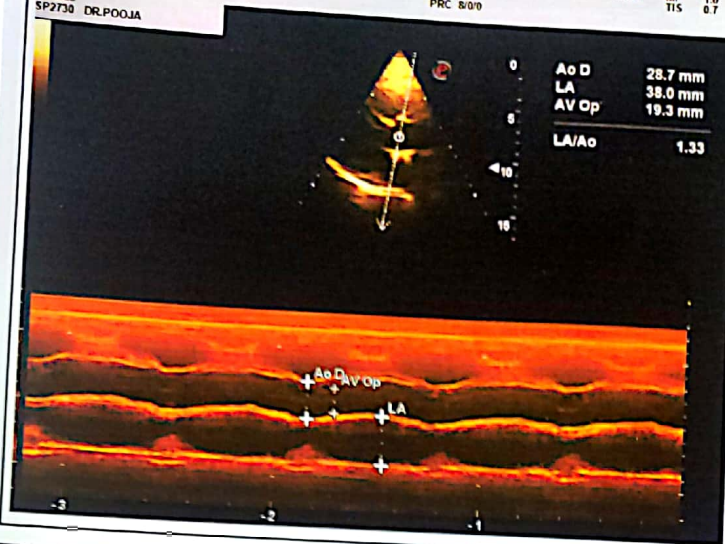
<b>Aorta/LA</b>					
Ao Diam	28.7	mm	LA	38.0	mm
AV Open	19.3	mm	LA/Ao	1.33	
<b>Left Ventricle</b>					
RVIDd	21.2	mm	IVSd	11.2	mm
LVIDd	43.6	mm	LVPWd	11.2	mm
IVSs	12.5	mm	LVIDs	27.4	mm
LVPWs	16.8	mm	EF	67	%
%LV FS	37	%	% IVS	11	%
%PW	50	%	LV Mass	200	g

### Doppler

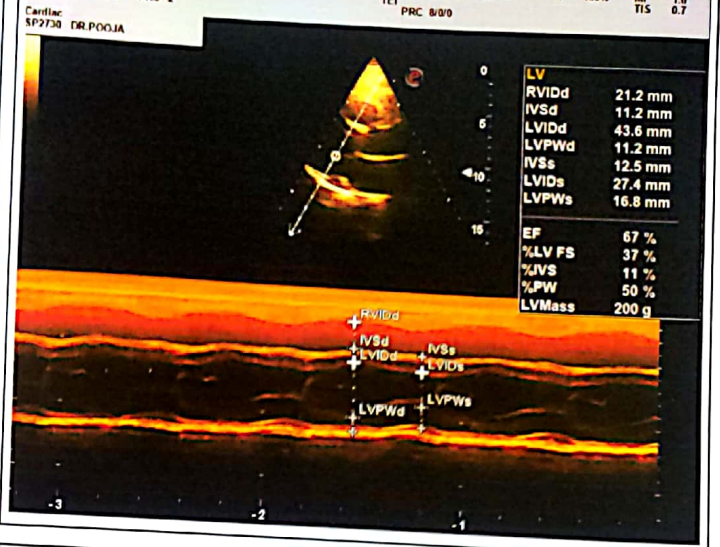
<b>CO (LVOT)</b>					
LVOT VTI	0.16	m			
<b>CO (Ao)</b>					
AV VTI	0.13	m			
<b>CO (Pulm flow)</b>					
PA VTI	0.14	m			
<b>Aorta</b>					
AV Vmax	0.84	m/s	AV Vmean	0.59	m/s
[0.84, 0.84]					
AV max PG	2.8	mmHg	AV mean PG	1.6	mmHg
AV VTI	0.13	m			
<b>LVOT VTI</b>					
LVOT Vmax	0.96	m/s	LVOT Vmean	0.62	m/s
[0.98, 0.95]					
LVOT max PG	3.7	mmHg	LVOT mean PG	1.9	mmHg
LVOT VTI	0.16	m			
<b>MV</b>					
MV VTI	0.17	m	MV E Vel	0.74	m/s
MV A Vel	0.99	m/s	MV E PG	2.2	mmHg
MV A PG	4.0	mmHg	MV Vmax	0.90	m/s
MV maxPG	3.3	mmHg	MV Vmean	0.59	m/s
MV mean PG	1.6	mmHg	MV PHT	76	ms
MVA (PHT)	2.89	cm <sup>2</sup>	MV E/A	0.75	
MV Dec Time	108	ms			



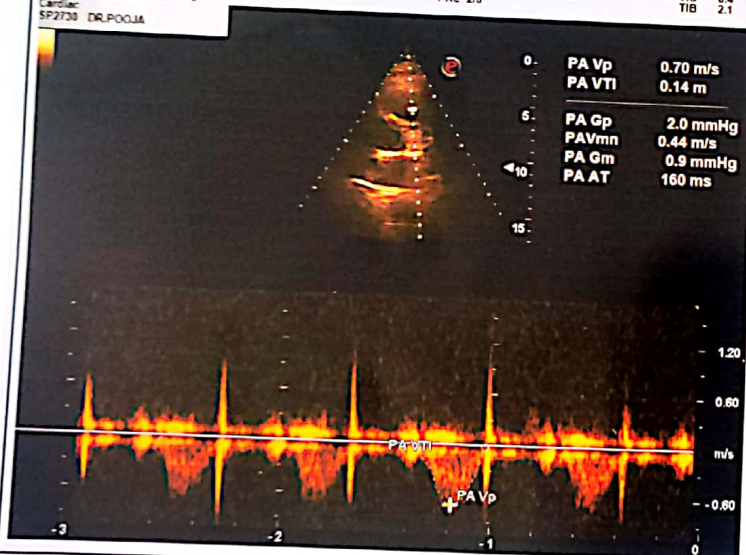
NATH BIJWAJIT KALCHAND, M

\*29/Dec/2022  
10:34:35 AMB TEI D Gen M AG 50 %  
174 mm X/M C3-  
PRC 8/0/13 PRS 2Cardiac  
SP2730 DR.POOJAM F Gen M AG — P 100% MI 1.0  
TEI PRC 8/0/0 TIS 0.7

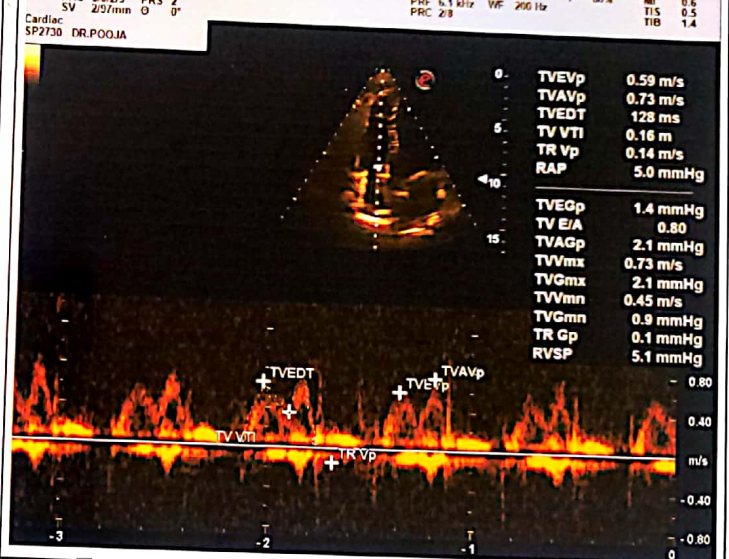
NATH BIJWAJIT KALCHAND, M

\*29/Dec/2022  
10:34:46 AMB TEI D Gen M AG 50 %  
174 mm X/M C3-  
PRC 8/0/13 PRS 2Cardiac  
SP2730 DR.POOJAM F Gen M AG — P 100% MI 1.0  
TEI PRC 8/0/0 TIS 0.7

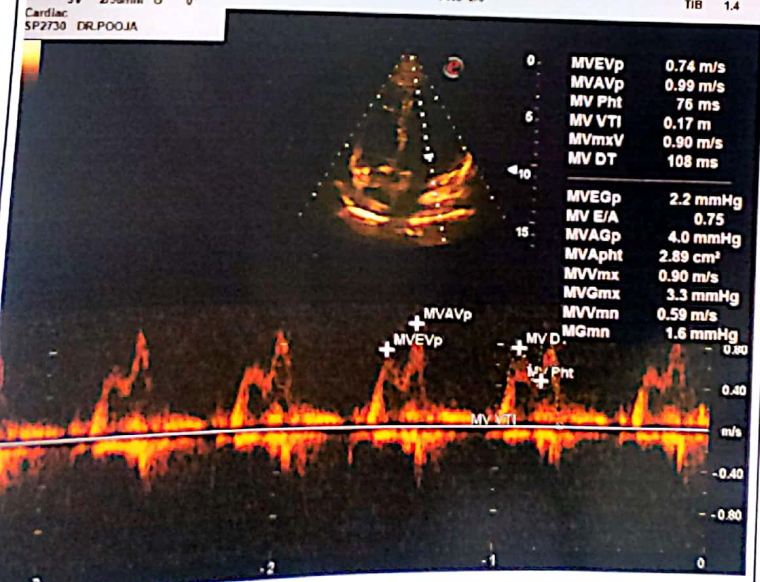
NATH BIJWAJIT KALCHAND, M

\*29/Dec/2022  
10:34:58 AMB TEI D Gen M G 40 %  
174 mm X/M C3-  
PRC 8/0/23 PRS 2Cardiac  
SP2730 DR.POOJAPW F 2.0 MHz G — P 80% MI 0.8  
PRF 7.2 kHz WF 200 Hz TIS 0.4  
PRC 2/8 TIB 2.1

NATH BIJWAJIT KALCHAND, M

\*29/Dec/2022  
10:35:44 AMB TEI D Gen M G 40 %  
174 mm X/M C3-  
PRC 8/0/23 PRS 2Cardiac  
SP2730 DR.POOJAPW F 2.0 MHz G — P 80% MI 0.6  
PRF 6.1 kHz WF 200 Hz TIS 0.5  
PRC 2/8 TIB 1.4

NATH BIJWAJIT KALCHAND, M

\*29/Dec/2022  
10:36:05 AMB TEI D Gen M G 40 %  
174 mm X/M C3-  
PRC 8/0/23 PRS 2Cardiac  
SP2730 DR.POOJAPW F 2.0 MHz G — P 80% MI 0.6  
PRF 6.1 kHz WF 200 Hz TIS 0.5  
PRC 2/8 TIB 1.4

NATH BIJWAJIT KALCHAND, M

\*29/Dec/2022  
10:36:46 AMB TEI D Gen M G 40 %  
174 mm X/M C3-  
PRC 8/0/23 PRS 2Cardiac  
SP2730 DR.POOJACFMF 3.1 MHz G 50 %  
TVM PRF 1.2 kHz WF 2 PRS 4  
PRC M/2PW F 3.1 MHz G — P 30% MI 0.3  
TV PRF 2.5 kHz WF 10 Hz PRC 2/8