



Name:	NICHOLAS SAMARAS	MRN:	19803627	Ward:	Outpatient
DOB:	22-Aug-1958	Study Date:	27-Oct-2023 10:36	Referring Dr:	HWAN KHAW
Address:	3 BRAIM PLACE ISAACS ACT 2607	Gender:	M		
Height:	176 cm	Weight:	89 kg	BSA:	2.06 m ²
HR:	63 bpm	Rhythm:	Sinus rhythm		
Sonographer:	Adam Wood ASAR 5517				

CLINICAL DETAILS

Inferiorr STEMI.

REPORT

Left Ventricle:	Normal left ventricular size with mild, segmental systolic dysfunction; ejection fraction 49 %. Regional wall motion abnormalities are noted (see plot). Normal left ventricular mass and wall thickness. Normal left ventricular diastolic function with no Doppler evidence of increased filling pressure.
Right Ventricle:	Normal right ventricular size and normal systolic function. Estimated RVSP ~ 25 mmHg (assuming RAP 3 mmHg).
Atria:	Mild left atrial enlargement. Normal right atrial volume. Interatrial septum appears thin and intact.
Mitral Valve:	Normal structure, trace regurgitation.
Aortic Valve:	Trileaflet, normal structure, no regurgitation.
Aorta:	Normal aortic root, ST junction and ascending aorta dimensions.
Tricuspid Valve:	Normal structure, trace regurgitation.
Pulmonary Valve:	Normal structure, trace regurgitation.
Pericardium:	No pericardial effusion.

CONCLUSION

1. Low normal LV Function
2. Satisfactory valve function
3. Inferior RWMA in keeping with AMI

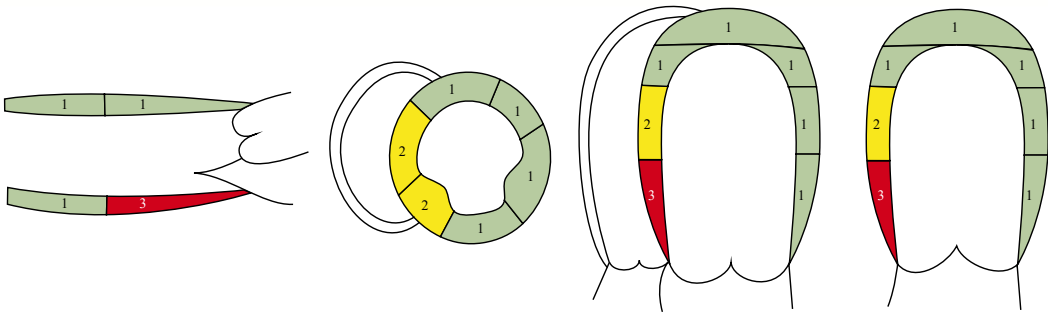
MEASUREMENTS

2D ECHO					
LVEDD:	60 mm	LVEDD:	51 mm	IVS:	10 mm
LVPW:	8 mm	LV RWT:	0.3	LVOT Diameter:	23 mm
LVEDV:	135 ml	LVEDVI:	64 ml/m ²	LVESV:	69 ml
LVEF:	49 %	LVSV:	66 ml	LV Mass (ASE):	216 g
LV Mass (ASE) Indexed:	102 g/m ²	LAVI:	42 ml/m ²	RAVI:	25 ml/m ²
AscAo:	34 mm	AscAo Indexed:	16 mm/m ²	AoR:	34 mm
AoR Indexed:	16 mm/m ²				
M-Mode					
TAPSE:	19 mm				
DOPPLER					
AV Vmax:	1.2 m/s	AV Peak PG:	6 mmHg	AV Mean PG:	3 mmHg
AV VTI:	29 cm	LVOT Vmax:	1.1 m/s	LVOT VTI:	25 cm
LVSV:	104 ml	AVA(VTI):	3.6 cm ²	Mitral E to A Ratio:	1.3
Mitral E Velocity:	0.7 m/s	Mitral A Velocity:	0.5 m/s	MV PHT:	65 ms
MVA(PHT):	3.4 cm ²	MV Deceleration Time:	220 ms	LV E' Lateral Velocity:	10.6 cm/s
Average LV E to E' Ratio:	9.3	E/e' Lateral Ratio:	7	LV E' Septal Velocity:	6.1 cm/s
E/e' Septal Ratio:	12	TR Vmax:	2.2 m/s	TR Peak PG:	20 mmHg
PV Vmax:	1.2 m/s	RV S' Velocity:	10.3 cm/s	DSI:	0.86

WALL MOTION SCORING

Phase: Routine

LVS1: 1.47
FM: 70.59
LAD: 1.11
LCX: 1
RCA: 2.4



X - Unable to interpret	2 - Hypokinetic	4 - Dyskinetic	5 - Aneurysmal
1 - Normal	3 - Akinetic		