

Location: MMH  
Equipment: Philips iE33

---

Study Quality: Fair  
Complications: Poor acoustic windows  
Off-axis visualization of heart  
Diagnosis Code: (I25.9) Chronic ischaemic heart disease, unspecified  
Procedure Code: 93306 Echocardiogram  
Indications: ISCHEMIC HEART DISEASE  
Risk Factors: Hyperlipidemia  
Hypertension  
Smoker - < 1/2 ppd

---

A complete Transthoracic Echocardiogram was performed.

#### MEASUREMENTS

LEFT VENTRICLE NORMAL TRICUSPID VALVE NORMAL  
LVEDV(A4C) 120.0 ml (62-150) TV Pk E Vel 0.8 m/s (2.5-5.7)  
LVEDV(A4C)/BSA 55.41 ml/m  
LVESV(A4C) 44.0 ml (21-61) AoD 3.6 cm  
LVESV(A4C)/BSA 20.32 ml/m  
LVEDV(A2C) 82.0 ml (62-150) LVOT Diam 2.2 cm (1.8-2.2)  
LVEDV(A2C)/BSA 37.87 ml/m  
LVESV(A2C) 44.0 ml (21-61) LVOT Pk Grad 7.0 mmHg  
LVESV(A2C)/BSA 20.32 ml/m  
LVEDV(BIPLANE) 103.0 ml LVOT SV 86.0 ml  
LVESV(BIPLANE) 46.0 ml AV Pk Vel 1.41 m/s  
LVEDV 114.0 ml AV Pk Grad 8.0 mmHg (<10)  
LVESV 35.9 ml AV Mean Grad 5.0 mmHg (<=40)  
EF 55.0 % (52-72) AV VTI 25.2 cm (18-22)  
LVSV 57.0 ml (31-87) AVA(Vmax) 3.48 cm  
LVSV/BSA 26.32 ml/m  
IVSd 0.86 cm (0.6-1) AVA/BSA 1.57 cm  
LVIDd 4.9 cm (4.2-5.84) PULMONARY VALVE  
LVIDd/BSA 2.26 cm/m  
LVPWd 0.83 cm (0.6-1) PV Pk Grad 7.0 mmHg  
LV FS(midwall) 38.0 % (14-22) PULMONIC ARTERY  
LVIDs 3.0 cm (2.5-3.98) LA/Ao 1.1  
MAPSE(Mm) 13.8 mm (7.8-21.8) IVC/PULMONIC VEIN  
LVRWT 0.34 IVC Dim 1.23 cm (<2.1)  
LV Length D 8.3 cm Pulm.Vein D Vel 0.5 m/s (0.27-0.55)  
LV length S 6.9 cm Pulm.Vein S Vel 0.7 m/s (0.37-0.69)  
RIGHT VENTRICLE  
RV Basal 3.5 cm (2.5-4.1)

TAPSE(Mm) 22.3 mm (17-31)  
LEFT ATRIUM  
LA 3.8 cm (3-4)  
LA/BSA 1.75 cm/m  
LAs(A4C) 5.5 cm  
LAs(A2C) 5.4 cm  
LA Volume 57.0 ml (18-58)  
LA Volume/BSA 27.3 ml/m  
LA Area ES(A4C) 19.5 cm  
LA Area ES(A2C) 19.3 cm  
RIGHT ATRIUM  
RA 4.6 cm  
RA Volume 38.0 ml  
RA Volume/BSA 17.55 ml/m  
RA Area 14.8 cm  
MITRAL VALVE  
MV Pk E Vel 0.7 m/s (0.7-1.2)  
MV Pk A Vel 1.05 m/s (0.4-0.7)  
MV E/A Ratio 0.7 (0.78-1.78)  
MV Decel Time 285.0 ms (143-219)  
Septal e' 7.13 cm/s (7.6-16.8)  
Septal E/e' 9.8 (<8)  
Lateral e' 9.65 cm/s (11.5-20.7)  
Lateral E/e' 7.3 (<=10)

---

Findings:

1. Left ventricle cavity is normal in size.

Normal global wall motion.

Visual EF is 60-65%.

Normal diastolic filling pattern.

ANDREW ADAMS 2019-12-11 Page 1 of 2

Studycast - [www.corestudycast.com](http://www.corestudycast.com)

Margaret Mary Community Hospital

---

Transthoracic Echocardiogram Study Report

---

2. Left atrial cavity is normal in size.

3. Right atrial cavity is normal in size.

4. Right ventricle cavity is normal in size.

Normal right ventricular function.

5. Native aortic valve with no regurgitation noted.

6. Structurally normal mitral valve with no regurgitation noted.

7. Native tricuspid valve with trace regurgitation.