

PROTOCOL: MV REPAIR FOLLOW-UP, 1-3 MOS.

Inclusion Criteria

- Patient is 1-3 months status post mitral valve repair (MitraClip, open or robotic)

EIMS Data

Procedure Components: 2D, 3D (if used), Color Flow Doppler, Doppler

Serial Study: General, Mitral Valve Repair

First Impression: Echocardiogram performed per mitral valve repair follow-up protocol (freeform).

Billing Diagnosis: Repair Mitral Valve Status Post

Performable: (TTE) 2D ECHO DOPPLER COLOR

Obtain the following:

2D	CFI	Doppler	Measurement
Parasternal			
LV EF & RWMA RV size / fx MV LAX and SAX Asc. Aorta r/o pericardial effusion	MV LAX and SAX	TR velocity (inflow)	LVIDd/s
Apical			
LV EF & RWMA RV size / fx r/o pericardial effusion	MV (4ch, lax, 2ch)	MV gradient TR velocity	LA volumes LV volumes (2D or 3D) <i>*PISA if \geq moderate MR</i>
Subcostal			
IVC r/o pericardial effusion	Atrial septum (s/p MitraClip only)		

Omit the following: Wall thickness, AV, TV, PV, Diastology (excluding LA volumes), cardiac output, all TDI, CFI of atrial septum, abdominal aorta, SSN window

Caveats and Tips

- Parasternal: Ascending aorta view is required to rule out hematoma
- Apical: LV outflow gradient if SAM (do not Valsalva)
- *Apical: Perform PISA if MR appears \geq moderate and determine mechanism of MR
- Subcostal: assess LV and RV size and function if not well seen in other windows
- Discuss incidental findings with interpreting consultant