

PROTOCOL: POST ASD DEVICE CLOSURE

Inclusion Criteria: Select patients may return for echo imaging the same day, one day, or 3-6 months post procedure for ASD closure device.

EIMS Data:

Referral Diagnosis: under *Post-op procedure congenital ht dis*, add:

Atrial septal defect S/P closure with appropriate drop down

First Finding: Status post interventions – closure device – pick all applicable findings (coded)

Second Finding: Echocardiogram performed per post ASD closure device (coded)

Billing Diagnosis: Closure Atrial Septal Defect Status Post

Same or 1 day post closure, follow chart below

3-6 months post closure, obtain the following if the last echo was:

- > 2 years → full echo + following
- ≤2 years → LV Function Protocol + following
- * **Add shunt study if indication for device closure was stroke or there was an interval stroke since device closure. Shunt studies are not required for other indications post-ASD device closure.**

Same or 1 day post

Procedure Components:

2-D limited, Color Flow Doppler

Procedure:

(TTE) 2D Limited and Color

2D + Color	
Parasternal	
	Device location (SAX) Pericardial effusion
Apical	
	Device location (4 ch) Pericardial effusion
Subcostal	
	Device location (4 ch) Pericardial effusion

3-6 months post

Procedure Components:

2-D, Color Flow Doppler, Doppler, TDI, (+/- IV Agitated Saline)

Procedure:

(TTE) 2D Echo Doppler Color (+/- Contrast)

2D + Color (+/- Shunt Study)	
Parasternal	
	Device location (SAX)
Apical	
	Device location (4 ch) * Possible shunt study (4 ch) (Vals + Rest) Valsalva images before rest images
Subcostal	
	Device location (4 ch)