Imaging Evaluation - Form 4

Version 3.0, 11/17/2010

Subject ID

Complete this form for the most recent imaging study available for each modality.

					☐ ECHO	☐ CT	☐ MRI
1. Date test performed					___/___/_____	___/___/_____	___/___/_____
2. Measurement Convention			**Check if evidence of:**		☐ TEE ☐ TTE	☐ Axial ☐ Double oblique	☐ Axial ☐ Double oblique
			Dissection	**Graft**		☐ Non-contrast ☐ Contrast	☐ MRI ☐ MRA
3.	Aortic valve annulus (1)	From parasternal long axis	☐	☐	|__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
4.	Sinus of Valsalva (aortic root) (2)	From parasternal long axis	☐	☐	|__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
5.	Sino-tubular junction (3)	From parasternal long axis	☐	☐	|__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
6.	Ascending aorta (4)	From parasternal or high parasternal long axis	☐	☐	|__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
7.	Transverse arch (5)	From suprasternal notch	☐	☐	|__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
8.	Isthmus (6)	From suprasternal notch	☐	☐	|__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
9.	Mid-descending thoracic aorta (7)		☐	☐		|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
10.	Lower-descending thoracic aorta (8)		☐	☐		|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
11.	Thoracoabdominal aorta (9)		☐	☐		|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
12.	Suprarenal abdominal aorta (10)		☐	☐		|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
13.	Pararenal abdominal aorta (11)		☐	☐		|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm
14.	Infrarenal aorta (12)		☐	☐		|__|__|.|__| cm |__|__|.|__| cm	|__|__|.|__| cm |__|__|.|__| cm

Measurement		ECHO	CT	MRI
Evidence of Aortic Aneurysm: ***Enter the location, length and widest diameter in the column for the appropriate mode***				
15.	*Number of aneurysms*	☐ None → skip to Q34a ☐ 1 ☐ 2 ☐ 3	☐ None → skip to Q34a ☐ 1 ☐ 2 ☐ 3	☐ None → skip to Q34a ☐ 1 ☐ 2 ☐ 3
16.	*Aneurysm 1*	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm |___|___|.|___| cm	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm |___|___|.|___| cm
17.	*Aneurysm 2*	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm |___|___|.|___| cm	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm |___|___|.|___| cm
18.	*Aneurysm 3*	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm |___|___|.|___| cm	Loc: Start |___|___| End |___|___| Length: |___|___|.|___| cm Diameter: |___|___|.|___| cm |___|___|.|___| cm

Measurement		Reference	ECHO	CT	MRI
34a.	Presence of prosthetic valves		☐ Aortic ☐ Tricuspid ☐ Mitral ☐ Pulmonic		
35.	Mitral valve annular diameter	From apical 4 chamber view	|__|__|.|__| cm		
36.	Mitral regurgitation	None= 0 Trivial=1 Mild=2 Moderate = 3 Severe = 4	☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4		
37.	Mitral valve prolapse	None= 0 Trivial=1 Mild=2 Moderate = 3 Severe = 4	☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4		
38.	Mitral valve thickness	None= 0 Mild=1 Moderate = 2 Severe = 3	☐ 0 ☐ 1 ☐ 2 ☐ 3		
39.	Tricuspid regurgitation	None= 0 Trivial=1 Mild=2 Moderate = 3 Severe = 4	☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4		
40.	Tricuspid regurgitation velocity	Peak Doppler velocity	|__|__|__|.|__| m/sec mmHG		
41.	Pulmonary valve annular diameter	From parasternal imaging, long or short	|__|__|.|__| cm		
42.	Pulmonary regurgitation	None= 0 Trivial=1 Mild=2 Moderate = 3 Severe = 4	☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4		
43.	Pulmonary stenosis	Peak Doppler velocity	☐ Yes ☐ No ☐ Not evaluated		
44.	Main pulmonary artery diameter	From parasternal short axis	|__|__|.|__| cm	|__|__|.|__| cm	|__|__|.|__| cm
45.	Right pulmonary artery diameter	From parasternal short axis	|__|__|.|__| cm	|__|__|.|__| cm	|__|__|.|__| cm
46.	Left pulmonary artery diameter	From parasternal short axis	|__|__|.|__| cm	|__|__|.|__| cm	|__|__|.|__| cm

Measurement		Reference	ECHO	CT	MRI
47.	Aortic valve morphology	Bi-commissural = 1 Unicommissural = 2 Normal/Unknown = 3	☐ 1 ☐ 2 ☐ 3		
48.	*Type of fusion (bi-commisural only)*	Right-left = 1 Right-non = 2 Left-non = 3	☐ 1 ☐ 2 ☐ 3		
49.	Aortic regurgitation	None=0 Trivial=1 Mild= 2 Moderate = 3 Severe = 4	☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4		
51a.	Aortic stenosis	None=0 Trivial=1 Mild= 2 Moderate = 3 Severe = 4	☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4		
52.	Peak aortic gradient	Peak Doppler velocity	|__|__|__|.|__| m/sec mmHG		
53.	Mean aortic gradient	Mean Doppler velocity	|__|__|__|.|__| m/sec mmHG		
54.	Left ventricular end diastolic volume		|__|__|__|.|__| mL mL/m^2		
55.	Left ventricular end systolic volume		|__|__|__|.|__| mL mL/m^2		
56.	Left ventricular end diastolic dimension		|__|__|.|__| cm		
57.	Left ventricular end systolic dimension		|__|__|.|__| cm		
58.	Ejection fraction	Left ventricle	|__|__|.|__| %		
59.	Shortening fraction	Left ventricle	|__|__|.|__| %		
60.	Right ventricular function	Qualitative Normal =1 Mildly depressed = 2 Moderately depressed = 3 Severely depressed = 4	☐ 1 ☐ 2 ☐ 3 ☐ 4		
Cardiac Anomalies:					
61.	Patent Foramen Ovale (PFO)/ Atrial Septal Defect (ASD)		☐ Yes ☐ No		
62.	Ventricular Septal Defect		☐ Yes ☐ No		
63.	Subaortic membrane		☐ Yes ☐ No		
64.	Right sided aortic arch			☐ Yes ☐ No	☐ Yes ☐ No
65.	Aortic Coarctation		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
66.	Patent Ductus Arteriosus (PDA)		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
67.	a. Other cardiac anomaly: _____		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	b. Other cardiac anomaly: _____		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

Supplemental Measurements			CT	MRI
68.	Aneurysms Located Outside the Aorta	*Check all that apply:* Cerebral=1; Carotid=2; Subclavian=3; Vertebral=4; Iliac=5; Renal=6; Infrarenal=7; Superior mesenteric=8; Inferior mesenteric=9; Pelvic=10; Femoral=11	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ None	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ None
69.	Dissections Located Outside the Aorta	*Check all that apply:* Cerebral=1; Carotid=2; Subclavian=3; Vertebral=4; Iliac=5; Renal=6; Infrarenal=7; Superior mesenteric=8; Inferior mesenteric=9; Pelvic=10; Femoral=11	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ None	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ None

Comments: _____ Initials of Abstractor: |___|___|___|