

Form A303: Echocardiography Core Laboratory (Part 2)
Aortic Root Dimensions (secondary reader) and Aortic Valve Regurgitation

Section A: KEY IDENTIFYING INFORMATION

- A1. Echocardiogram Identification Number _____ - _____ - _____ - _____ - _____ - _____
- A2. Date of echocardiogram _____ / _____ / _____ Y Y Y Y
M M D D
- A3. Reader Identification Number _____
- A4. Core Lab echocardiogram Accession Identifier _____
- A5. Date of central reading _____ / _____ / _____ Y Y Y Y
M M D D
- A6. Acceptable for analysis YES1 (B0) NO..... 2
- a. Reason not acceptable _____

STOP
FORM COMPLETE

Section B: CLINICAL ASSESSMENT AT ECHOCARDIOGRAM

- B0. Gender MALE 1
FEMALE 2
- B1. Date of birth (MM/DD/YYYY) _____ / _____ / _____
- B2. Age (years) _____ . _____
- B3. Weight _____ . _____ kg
- B4. Weight Z-score _____ . _____ SD
- B5. Length or Height _____ . _____ cm
- B6. Length or Height Z-score _____ . _____ SD
- B7. Body surface area _____ . _____ m²
- B8. Systolic BP _____ mm Hg
- B9. Diastolic BP _____ mm Hg
- B10. Mean BP _____ mm Hg
- B11. Heart rate _____ beats/minute

Section D: AORTIC ROOT 2D DIMENSIONS
(D1-D4 to be completed by Shari Trevey)

	Minimum dimension	Maximum dimension
D1. Aortic valve annulus		
Measurement #1	a1. ____ . ____ ____ cm	a2. ____ . ____ ____ cm
Measurement #2	b1. ____ . ____ ____ cm	b2. ____ . ____ ____ cm
Measurement #3	c1. ____ . ____ ____ cm	c2. ____ . ____ ____ cm
Average of measurements 1-3	d1. ____ . ____ ____ ____ cm	d2. ____ . ____ ____ ____ cm
Z-score		e1. ____ . ____ ____ SD
D2. Aortic sinus of Valsalva		
Measurement #1	a1. ____ . ____ ____ cm	a2. ____ . ____ ____ cm
Measurement #2	b1. ____ . ____ ____ cm	b2. ____ . ____ ____ cm
Measurement #3	c1. ____ . ____ ____ cm	c2. ____ . ____ ____ cm
Average of measurements 1-3	d1. ____ . ____ ____ ____ cm	d2. ____ . ____ ____ ____ cm
Z-score		e1. ____ . ____ ____ SD
D3. Aortic sinotubular junction		
Measurement #1	a1. ____ . ____ ____ cm	a2. ____ . ____ ____ cm
Measurement #2	b1. ____ . ____ ____ cm	b2. ____ . ____ ____ cm
Measurement #3	c1. ____ . ____ ____ cm	c2. ____ . ____ ____ cm
Average of measurements 1-3	d1. ____ . ____ ____ ____ cm	d2. ____ . ____ ____ ____ cm
Z-score		e1. ____ . ____ ____ SD
D4. Ascending aorta		
Measurement #1	a1. ____ . ____ ____ cm	a2. ____ . ____ ____ cm
Measurement #2	b1. ____ . ____ ____ cm	b2. ____ . ____ ____ cm
Measurement #3	c1. ____ . ____ ____ cm	c2. ____ . ____ ____ cm
Average of measurements 1-3	d1. ____ . ____ ____ ____ cm	d2. ____ . ____ ____ ____ cm
Z-score		e1. ____ . ____ ____ SD

D5-D6 to be completed by Dr. Seda Tierney

D5. Descending aorta	____ . ____ ____ cm
D6. Main pulmonary artery	____ . ____ ____ cm
Z-score	a. ____ . ____ ____ SD

Section E: AORTIC VALVE REGURGITATION
(To be completed by Dr. Seda Tierney)

- E1. Severity
- NONE (no regurgitation) 0 (E5)
 TRIVIAL 1 (E5)
 MEASURABLE 2
 INDETERMINATE -8 (E5)
- E2. Aortic proximal regurgitant jet #1
- a. Parasternal long axis view jet #1 width ____ . ____ ____ cm
 b. Parasternal short axis view jet #1 width ____ . ____ ____ cm
 c. Regurgitant jet #1 area ____ ____ ____ . ____ ____ mm²
- E3. Aortic proximal regurgitant jet #2 present?
- YES 1
 NO 2 (E4)
- a. Parasternal long axis view jet #2 width ____ . ____ ____ cm
 b. Parasternal short axis view jet #2 width ____ . ____ ____ cm
 c. Regurgitant jet #2 area ____ ____ ____ . ____ ____ mm²
- E4. Total aortic proximal regurgitant area
- a. Total regurgitant jet area (E2c+E3c) ____ ____ ____ . ____ ____ mm²
 b. Total regurgitant jet area index ____ ____ ____ ____ . ____ ____ ____ mm² / m²
- E5. Duration of diastolic flow in the proximal thoracic aorta ____ ____ ____ ____ msec
- E6. Duration of diastolic flow reversal in the proximal thoracic aorta ____ ____ ____ ____ msec
- E7. Percent duration of diastolic flow reversal in the proximal thoracic aorta ____ ____ ____ . ____ %
- E8. Duration of diastolic flow in the distal thoracic aorta ____ ____ ____ ____ msec
- E9. Duration of diastolic flow reversal in the distal thoracic aorta ____ ____ ____ ____ msec
- E10. Percent duration of diastolic flow reversal in the distal thoracic aorta ____ ____ ____ . ____ %

E11. Image quality

EXCELLENT 1 (END)

GOOD 2 (END)

FAIR 3

a. Reason for Fair rating _____
