

Grading Criteria

Patient Centered Care

- 1) Introduce yourself to the patient and wear gloves.
- 2) Inform the patient of cold gel before application.
- 3) Warn the patient of pressure when applying the probe for cardiac ultrasound.

Image Acquisition - Cardiac US

- 4) Probe selection - Phased array
- 5) Depth - Appropriate to visualize descending aorta or 1cm deeper than pericardium.
- 6) Gain - Appropriate to visualize endocardial border OR valvular function.
- 7) Quality - Appropriate to visualize left ventricular function, including mitral valve motion.

Image Interpretation - Cardiac US

- 8) Anatomy - Appropriately identified left ventricle.
- 9) Anatomy - Appropriately identifies descending aorta.
- 10) Anatomy - Appropriately identifies left atrium.
- 11) Anatomy - Appropriately identifies mitral valve.
- 12) Anatomy - Appropriately identifies right ventricle.
- 13) Anatomy - Appropriately identifies aortic valve / left ventricular outflow track
- 14) Application - Appropriately identifies decreased ejection fraction / heart failure / decreased left ventricular function
- 15) Application - Considers vasopressors or restrictive IVF administration in the setting of diffuse B lines and decreased ejection fraction.