

Image quality assessment

Illustrations

Good

Structures

2D image

Parasternal long axis view



Parasternal short axis view



Apical 4 chamber view



Structures

1. Left ventricle
2. Mitral valve
3. Left atrium
4. Aortic valve
5. Right ventricle

1. Circular left ventricle
2. Papillary muscles
3. Right ventricle

1. Left ventricle
2. Mitral valve
3. Left atrium
4. Right atrium
5. Tricuspid valve
6. Right ventricle

Criteria for image optimisation

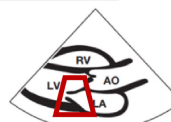
- **Orientation** – Correct positioning of index marker for each view
- **Gain** – High enough for a few echoes to be demonstrated in the blood, and the blood-endocardial tissue borders are well-delineated
- **Depth** – Set to maximise the size of the display for the structures or flow of interest

Colour Flow Doppler (CFD)

Parasternal long axis view



Aortic valve CFD



Mitral valve CFD

Apical 4 chamber view



Mitral valve CFD



Tricuspid valve CFD

Poor

Structures

Three or more structures not shown

Image optimisation

One or none of the criteria apply

Colour flow Doppler

Colour box size and placement does not show valvular flow