ECHO SCREENING PROTOCOL

Parasternal Long Axis Views

Step 1: Parasternal long axis view 2-D
- Find appropriate view
- Visualize MV and AoV
- RECORD

Step 2: Parasternal long axis view color Doppler mode MV
- Place the color Doppler window over the mitral valve and left atrium – note if there is a jet (blue)
- RECORD

Step 3: Parasternal long axis view color Doppler mode AoV
- Place the color over the aortic valve – note if there is a regurgitant jet (blue)
- RECORD

Parasternal Short Axis Views

Step 4: Parasternal short axis view 2D mode at AoV
- Scan at the level of the AoV and atria and visualize structures well
- RECORD

Step 5: Parasternal short axis view Color Doppler at AoV
- Place the color over the aortic valve – note if there is a regurgitant jet
- RECORD

Step 6: Parasternal short axis view 2D mode at MV
- Scan inferiorly to the level of MV and ventricles and visualize structures well
- RECORD

Step 7: Parasternal short axis Color Doppler mode at MV
- Place the color over the mitral valve – note if there is a regurgitant jet
- RECORD

Apical 4 chamber view

Step 8: Apical 4 chamber view 2D mode
- Find appropriate view
- Visualize MV well
- **RECORD**

**Step 9: Apical 4 chamber view color Doppler mode of MV**
- Place the color window over the mitral valve and left atrium – note if there is a regurgitant jet
- **RECORD**

**Step 10: Continuous wave Doppler of Mitral Regurgitation**
- Place the cursor in line with visualized mitral regurgitation
- Continuous wave Doppler through regurgitation, attempting to record a full envelope

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**Apical 5 chamber view**

**Step 11: Apical 5 chamber view 2D mode**
- Find appropriate view
- Visualize AoV
- **RECORD**

**Step 12: Apical 5 chamber view color Doppler mode of AoV**
- Place the color window over the aortic valve and left ventricle, and note if there is a regurgitant jet
- **RECORD**

**Step 13: Continuous wave Doppler of Aortic Regurgitation (Only for Standard Portable Machine)**
- Place the cursor in line with visualized aortic regurgitation
- Continuous wave Doppler through regurgitation, attempting to record a full envelope