

Semilunar Doppler Patterns - 12 CINE loops, 13 still images

Antegrade flow: “normal”/expected forward flow

Regurgitant flow: a “leak” or flow in the opposite direction

Velocity Time Integral (VTI): total distance traveled by blood during a cardiac cycle

- **PLAX**
 - 2D standard depth (**CINE**)
 - Color AV (**CINE**)
 - 2D Zoom AV / LVOT (**CINE**)
 - FREEZE: Measure LVOT diameter (**image**)
- **RVOT superior/anterior tilt**
 - 2D (**CINE**)
 - Color PV (**CINE**)
 - PW RVOT
 - Optimize baseline and velocity scale to display antegrade flow (**image**)
 - CW PV
 - Optimize baseline and velocity scale to display antegrade flow (**image**)
 - Optimize baseline and velocity scale to check for and display regurgitant flow (**image**)
- **PSAX Basal/AV level**
 - 2D (**CINE**)
 - Color AV (**CINE**)
 - Color PV (**CINE**)
 - PW RVOT
 - Optimize baseline and velocity scale to display antegrade flow (**image**)
 - CW PV
 - Optimize baseline and velocity scale to display antegrade flow (**image**)
 - Optimize baseline and velocity scale to check for and display regurgitant flow (**image**)
- **Apical 5 Chamber**
 - 2D (**CINE**)
 - Color AV (**CINE**)
 - PW LVOT
 - Optimize baseline and velocity scale to display antegrade flow and measure VTI (**image**)
 - CW AV
 - Optimize baseline and velocity scale to display antegrade flow and measure VTI (**image**)
 - Optimize baseline and velocity scale to check for and display regurgitant flow (**image**)
- **Apical 3 Chamber**
 - 2D (**CINE**)
 - Color AV (**CINE**)
 - PW LVOT
 - Optimize baseline and velocity scale to display antegrade flow (**image**)
 - CW AV
 - Optimize baseline and velocity scale to display antegrade flow (**image**)
 - Optimize baseline and velocity scale to check for and display regurgitant flow (**image**)