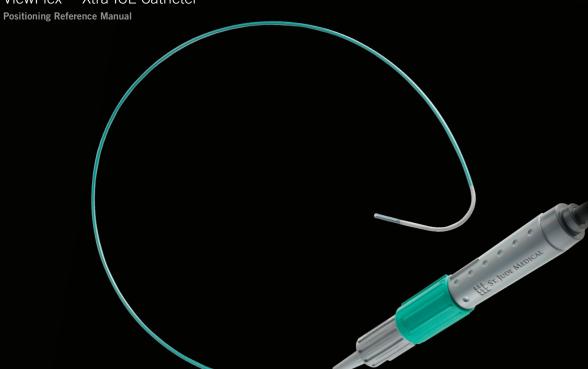
ViewFlex[™] Xtra ICE Catheter





ViewFlex™ Xtra ICE Catheter

The ViewFlex Xtra ICE Catheter, which is compatible with the ViewMate™ Z and ViewMate™ II ultrasound consoles, provides visualization of cardiac structures and blood flow within the heart during electrophysiology and interventional cardiology procedures. This "Positioning Reference Manual" can be used as a guide to understanding the technique of ICE imaging.

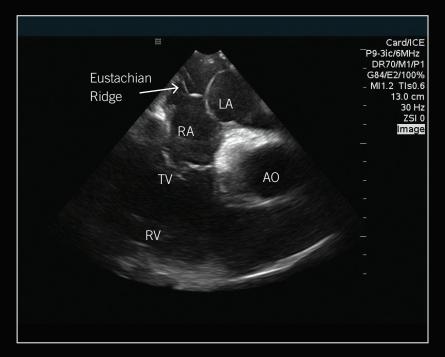
The diagrams and ultrasound images represented in the following text display the approximate cardiac anatomy seen during a typical ICE overview of the heart. Precise movements in catheter angulations and rotations, for a specific view, may differ with individual cardiac anatomy.

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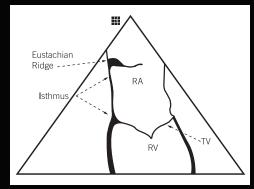
Eustachian Ridge

• As the ICE catheter enters the right atrium, the eustachian ridge is the first anatomical structure that can be visualized.



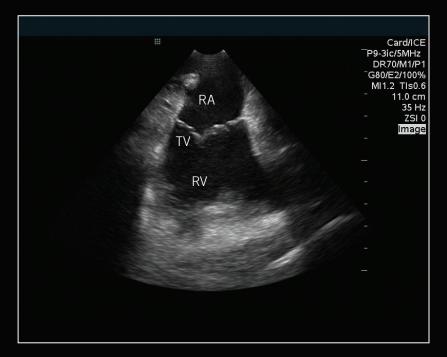


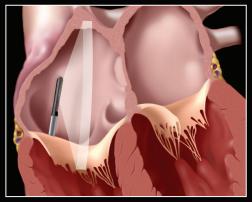
Orientation

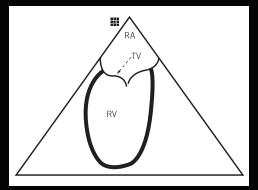


Home View

- Continue advancing the catheter to the level of the mid-right atrium
- The ultrasound array should be facing anteriorly
- There is no flexion on the catheter

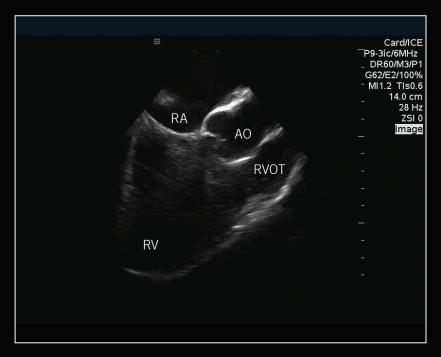


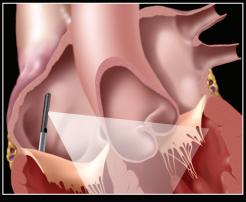


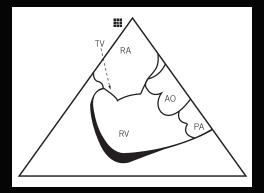


Aorta, Right Ventricular Outflow Tract

- From the "Home View," rotate the catheter clockwise
- No flexion on the catheter is necessary

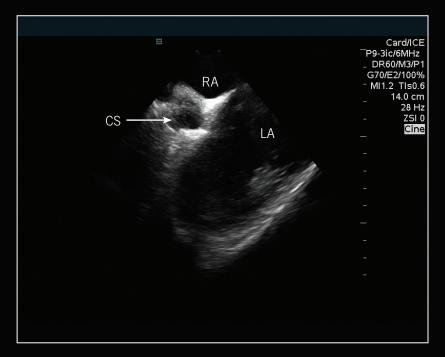


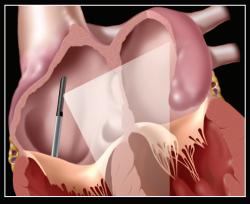




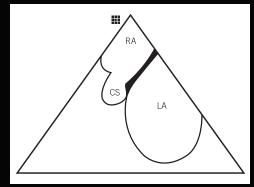
Coronary Sinus

 Gradually rotate the catheter clockwise to visualize the ostium of the coronary sinus



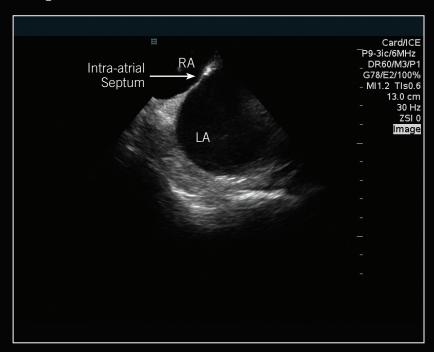


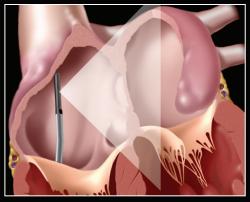
Orientation



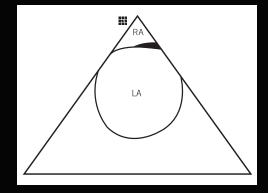
Intra-atrial Septum, Fossa Ovalis

- Rotate the catheter clockwise
- Posterior flexion can be used if necessary to view more of the right atrium



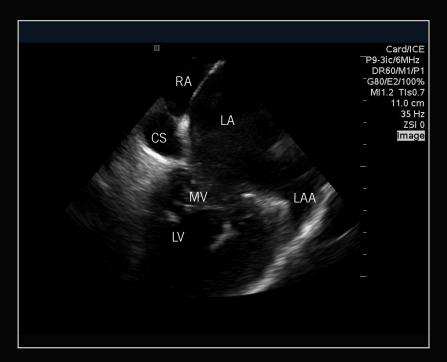


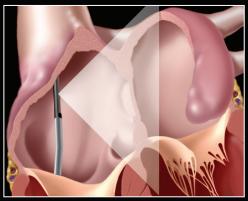
Orientation



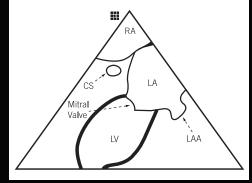
Mitral Valve, Left Atrial Appendage

• From the "Intra-atrial Septum View," gradually rotate the catheter clockwise



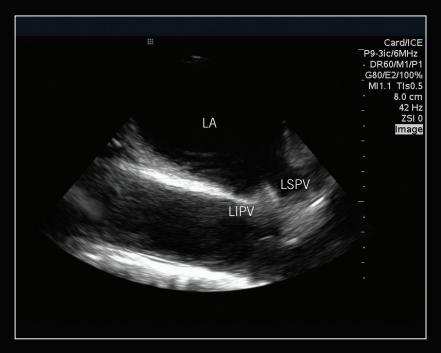


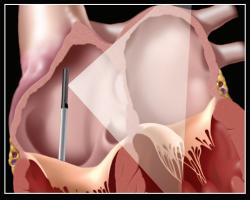
Orientation

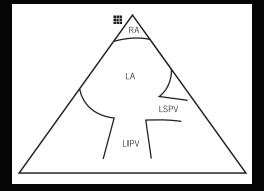


Left Pulmonary Veins

- From the "Left Atrial Appendage View," slightly rotate the catheter clockwise
- Color Doppler can be used to identify the left pulmonary veins

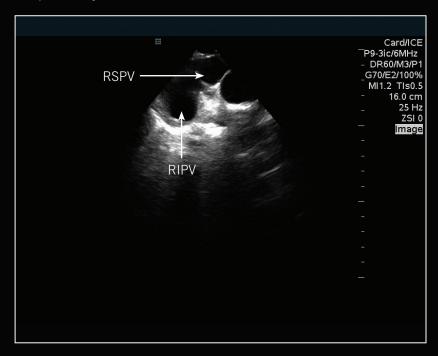


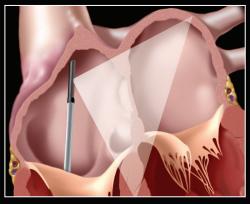




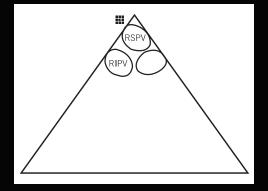
Right Pulmonary Veins

- Rotate the catheter clockwise past the left pulmonary veins
- Advance the catheter slightly to obtain a better view of the right pulmonary veins





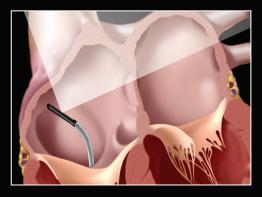
Orientation

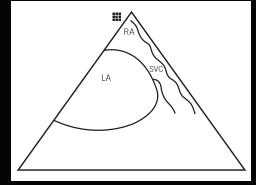


Superior Vena Cava, Right Atrium

- Place the catheter in the mid-right atrium
- Flex the catheter posteriorly
- If necessary, rotate the catheter counter-clockwise to obtain a better view of the superior vena cava and right atrium

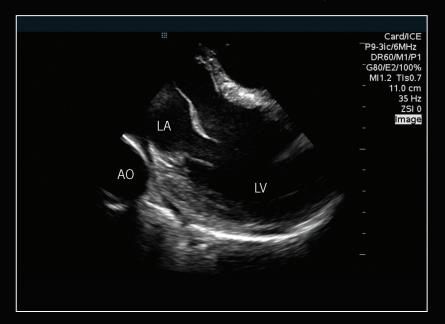


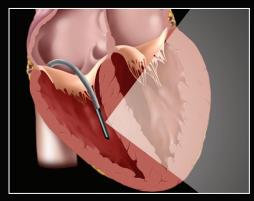


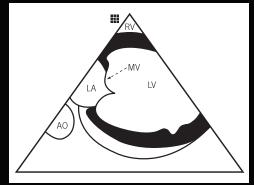


Left Ventricle Long Axis

- Re-establish Home View
- Once the tricuspid valve is clearly visible, flex the catheter anteriorly (toward tricuspid valve)
- Utilizing fluoroscopy and ultrasound, advance the catheter past the tricuspid valve annulus into the right ventricle and then remove anterior flexion
- Rotate the catheter clockwise until the intraventricular septum comes into view







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Rx Only

Brief Summary: Please review the Instructions for Use prior to using these devices for a complete listing of indications, contraindications, warnings, precautions, potential adverse events, and directions for use.

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