# **Sheath Insertion**

### Additional Considerations

- Know position of sheath tip in the aorta
- Perform contrast injection if:
  - Angulated aorta
  - Aneurysms
  - Significant aortic atherosclerosis
- Push force can vary due to angle of insertion, vessel diameter, tortuosity and degree of calcification
- Do not force sheath
- Once inserted, suture the sheath in place

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# **Sheath Insertion: Summary**

- Ensure sheath is wet before inserting
- Ensure adequate vessel access. Do not use with tortuous or calcified vessels that would prevent safe entry of the introducer sheath
- Insert sheath with
  Edwards logo facing
  upward until the sheath tip
  passes the aortic
  bifurcation
- Suture sheath in place and remove the dilator
- Intermittently flush sheath with heparinized saline per standard technique



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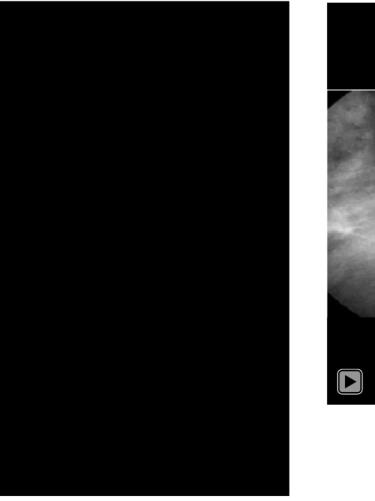
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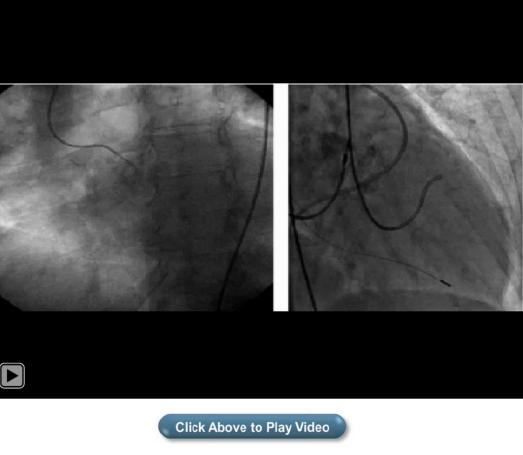


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# Valve Crossing and Wire Exchange







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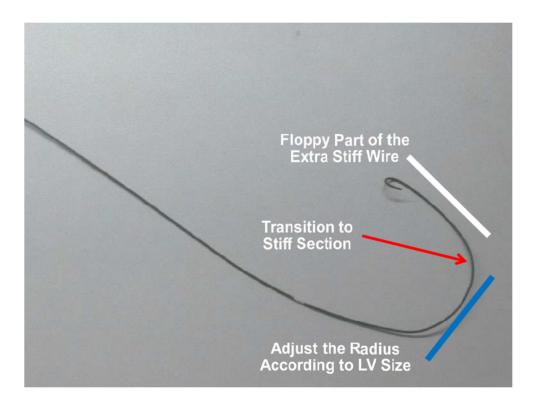
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# Valve Crossing and Wire Exchange

### **Additional Considerations**

- Using extra stiff wire with J-tip may help prevent ventricular perforation
- Incorporate the stiff section of the wire in the curvature
- Adjust the radius according to LV size



#### NOTE:

Once the delivery system is inserted, the stiff portion of the guidewire should extend beyond the distal end of the delivery system at all times to protect the apex



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# **Verify THV Orientation and Correct Volume**

 Verify THV orientation with the inflow (outer sealing skirt) towards the tapered tip

#### Outflow



Inflow



Inflow

#### CAUTION:

To prevent possible leaflet damage, the THV should not remain fully crimped and/or in the loader for over 15 minutes

#### NOTE:

The proximal end of the loader may be brown in color

Outflow



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