



Optimal Positioning: Edwards SAPIEN Valve

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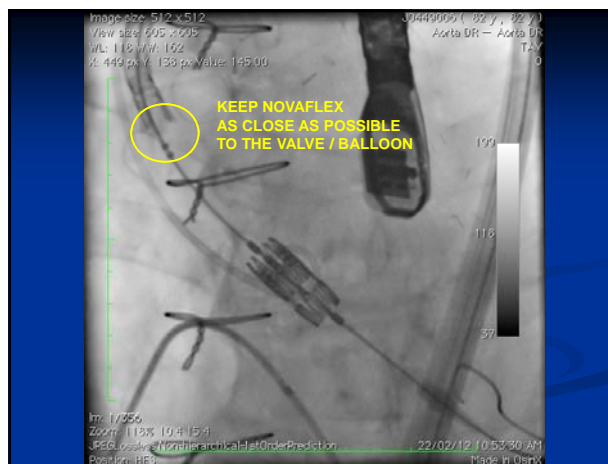
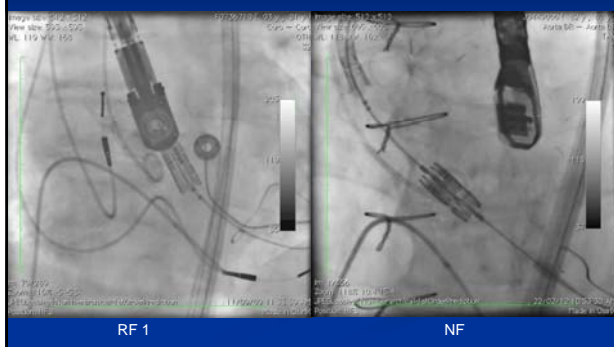
Meeting Name

To Achieve Optimal Deployment of Edwards SAPIEN Valve

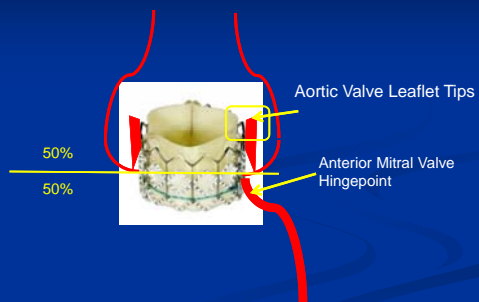
Good position

Good co-axial alignment

Improvement in Edwards Transfemoral Delivery System Leading to Easier Valve Positioning and Deployment

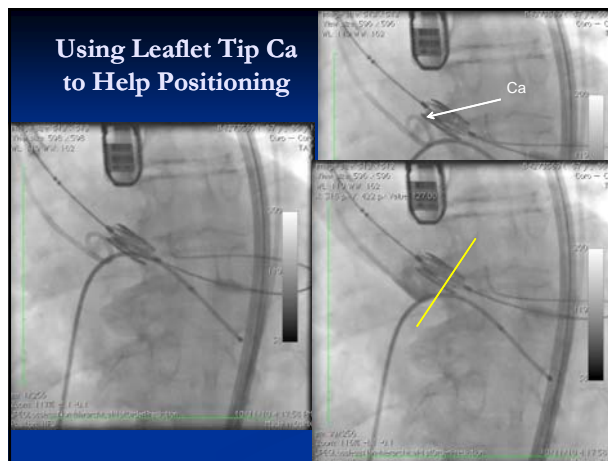


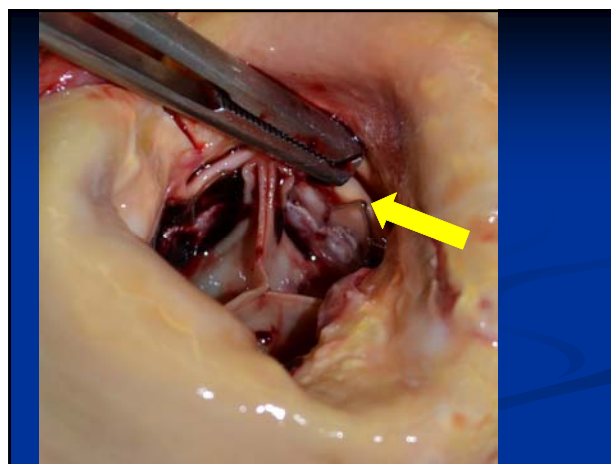
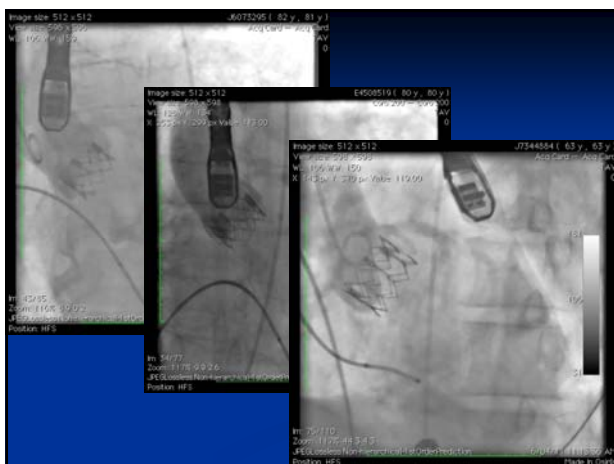
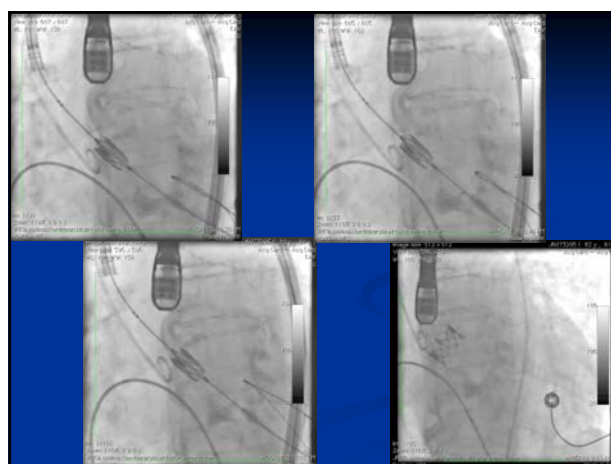
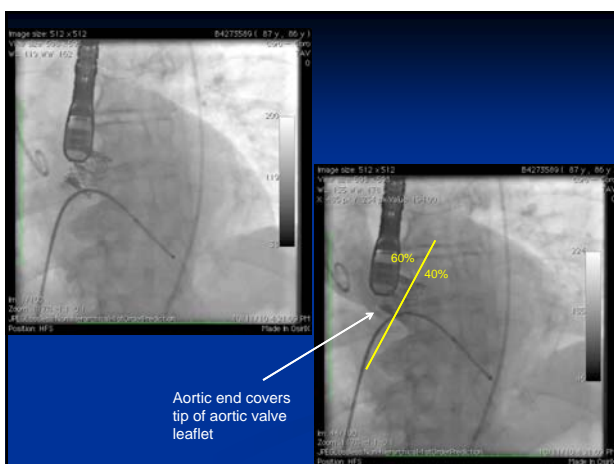
Ideal Position



Not always possible to satisfy all these

Using Leaflet Tip Ca to Help Positioning





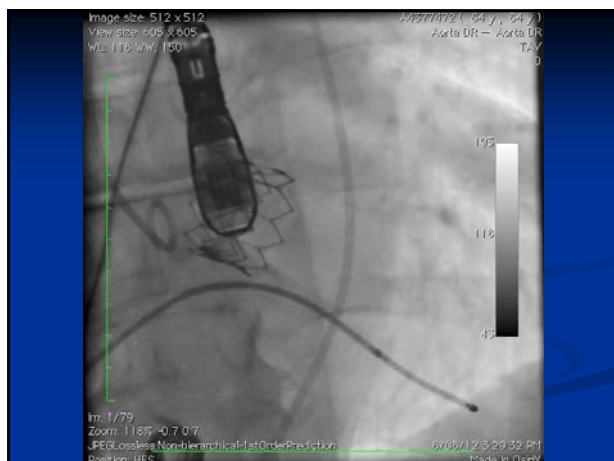
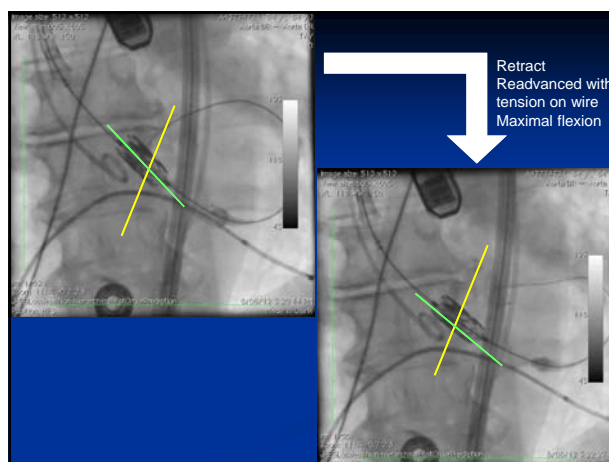
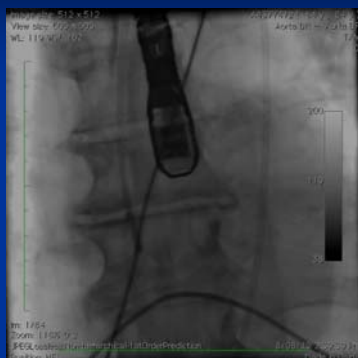
Co-Axial Alignment

- Easier to achieve with current system
- Difficulty in alignment may occasionally still occur...
 - eg. Horizontal heart / aorta

Methods to improve alignment

- Change NovaFlex catheter flexion
- Rotate NovaFlex Catheter
- Retract to ascending aorta and, with more tension on wire to center device, re-advance

Horizontal Heart



Conclusion

- To obtain optimal deployment of Edwards valve, it is important to achieve good position and good alignment
- Current generation NovaFlex makes it easier for positioning
 - Better alignment and centering
 - Less valve movement during deployment → More predictable deployment, with pre-deployment position same as post-deployment position.

Conclusion

- To achieve optimal positioning, ensure that transcatheter valve covers the native leaflets
 - In valve with heavily calcified leaflet tips, can use calcium to assist in deployment
- Alignment usually less problematic, even in horizontal heart, but if non-coaxial
 - Adjust retroflexion
 - Rotate NovaFlex catheter
 - Retract and re-advance to improve centering