

Imaging and Physiology Tools for Structural Heart Interventions

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Evanston Hospital***

***Angioplasty Summit
TCT Asia Pacific 2009
April 21st - 24th, 2009***

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Disclosure Information

The following relationships exist:

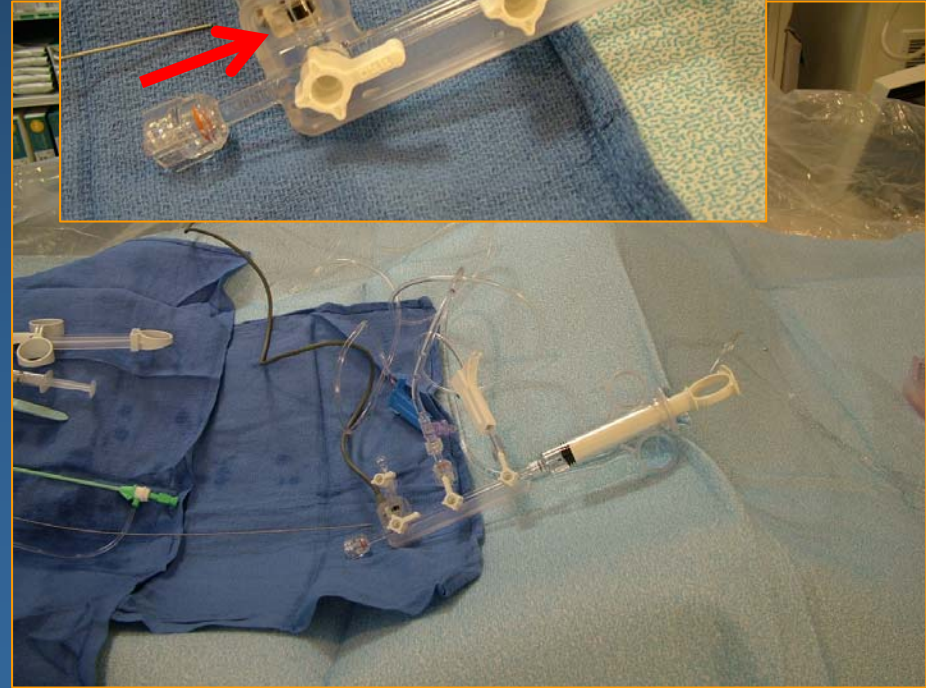
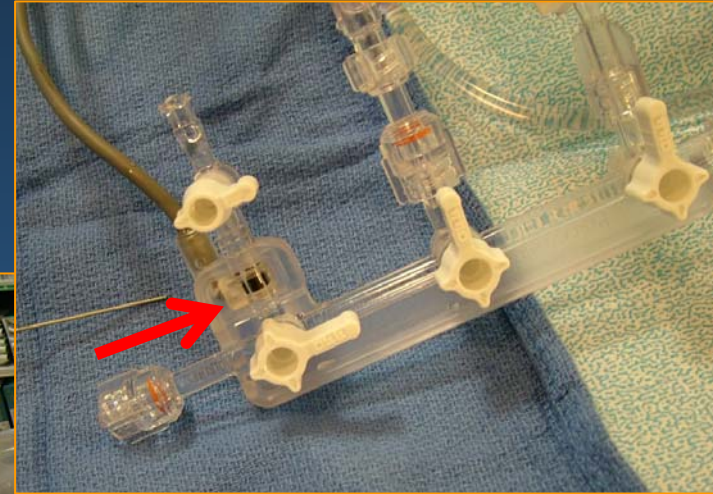
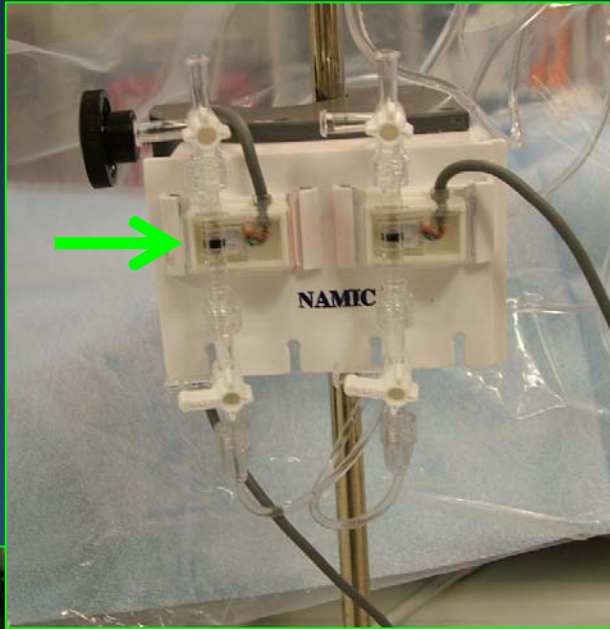
Grant support: Abbott, Atritech, BSC, Cardiac Dimensions,
Edwards, Evalve, Myocor, St Jude

Consultant: Abbott, Cardiac Dimensions, CoAptus, Coherex, Cordis,
WL Gore, Myocor, Quantam-Cor

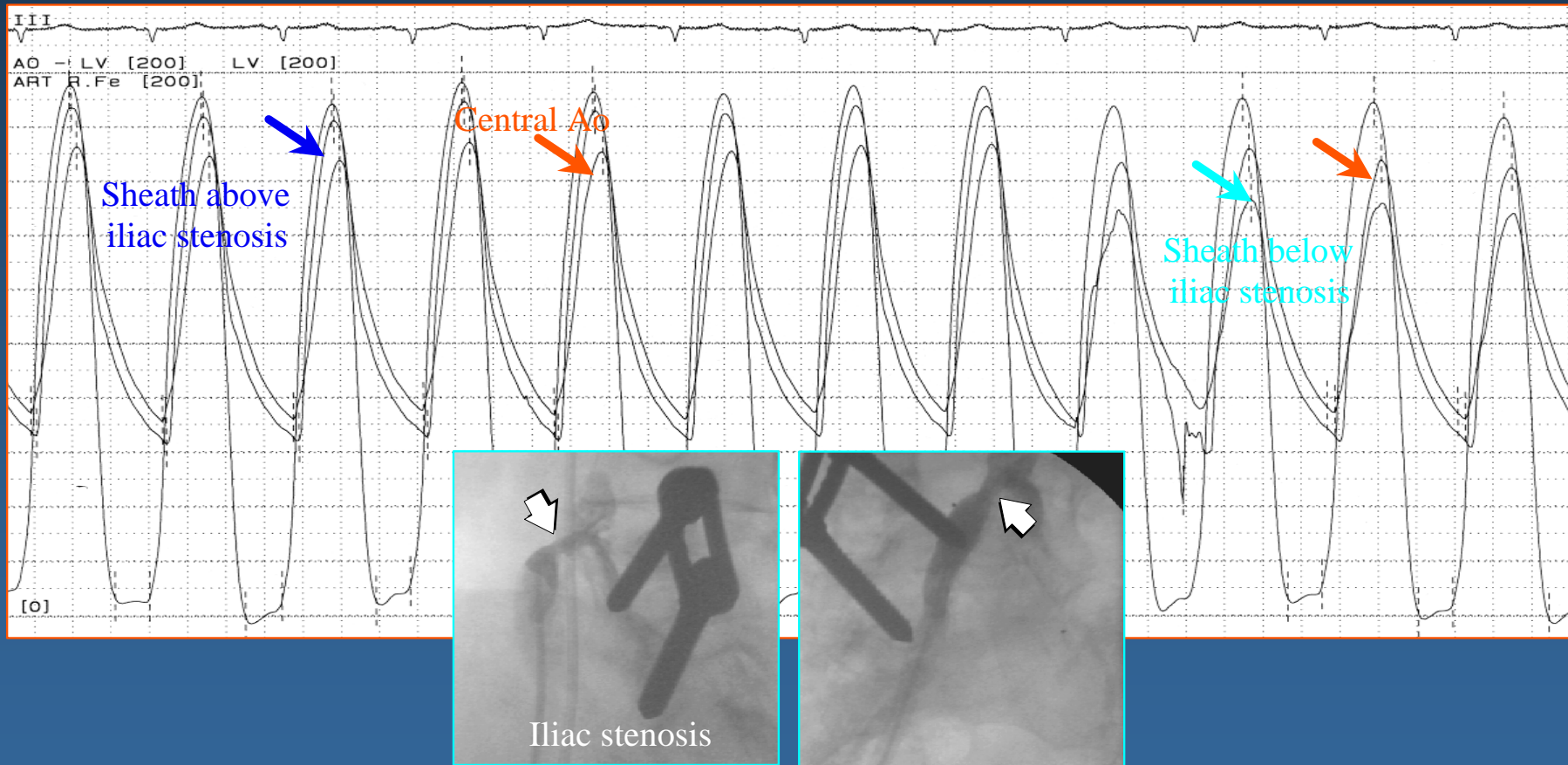
Speaker: Boston Scientific

*Off label use of products and investigational devices
will be discussed in this presentation*

Pressure Transducers: *Zero vs Calibrate*



Evaluation of Aortic Stenosis: Iliac Disease



Procedure specific

- Pre procedure TTE, TEE, CTA, MR
- Intra-procedure
 - Pressure gradients
 - ICE
 - TEE
 - 3D

Procedure specific

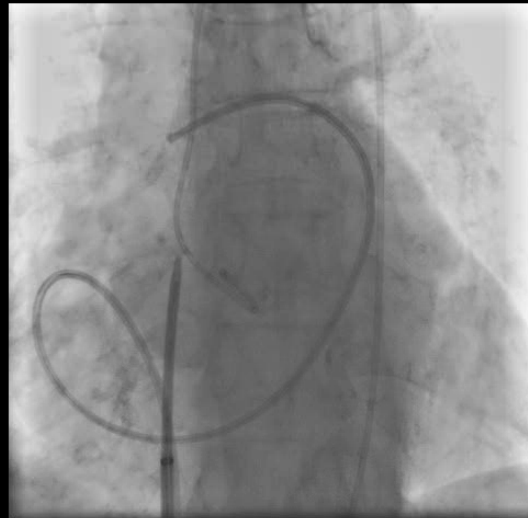
- TTE
 - PTMC
- ICE
 - Trans-septal
 - PFO
 - ?ASD
- TEE
 - MitraClip
 - tAVR
 - LAA
 - Paravalvular leak
 - ASD
- Fluoro
 - ?PFO
 - BAV
 - Coarctation
 - PDA

Transseptal Puncture

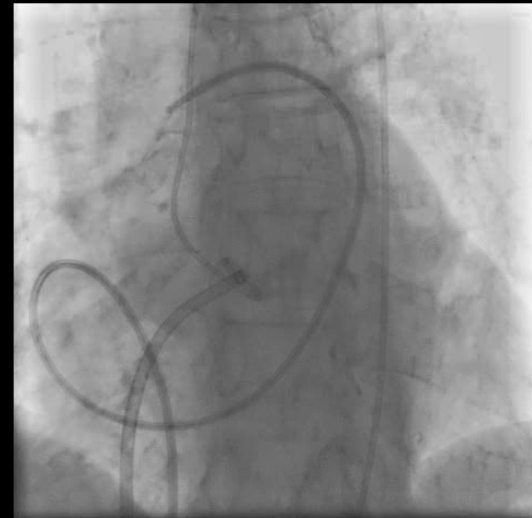
Lossy compression - not intended for diagnosis



Lossy compression - not intended for diagnosis

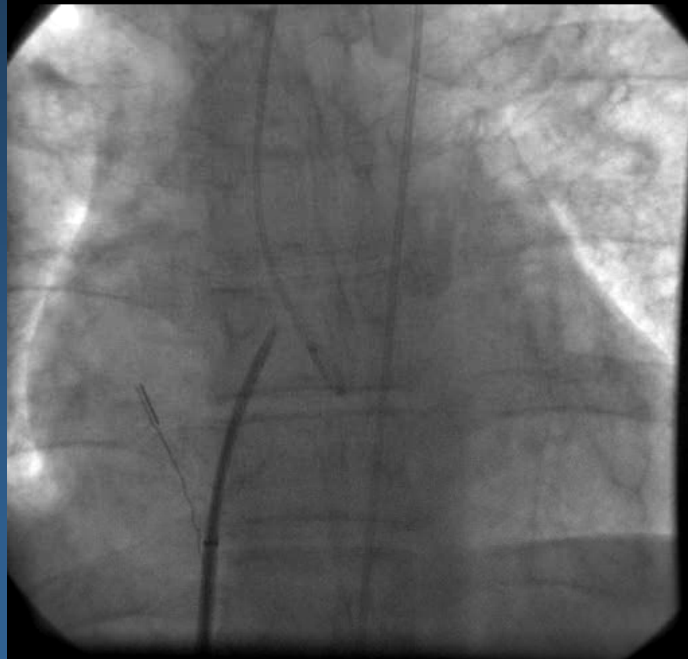


Lossy compression - not intended for diagnosis



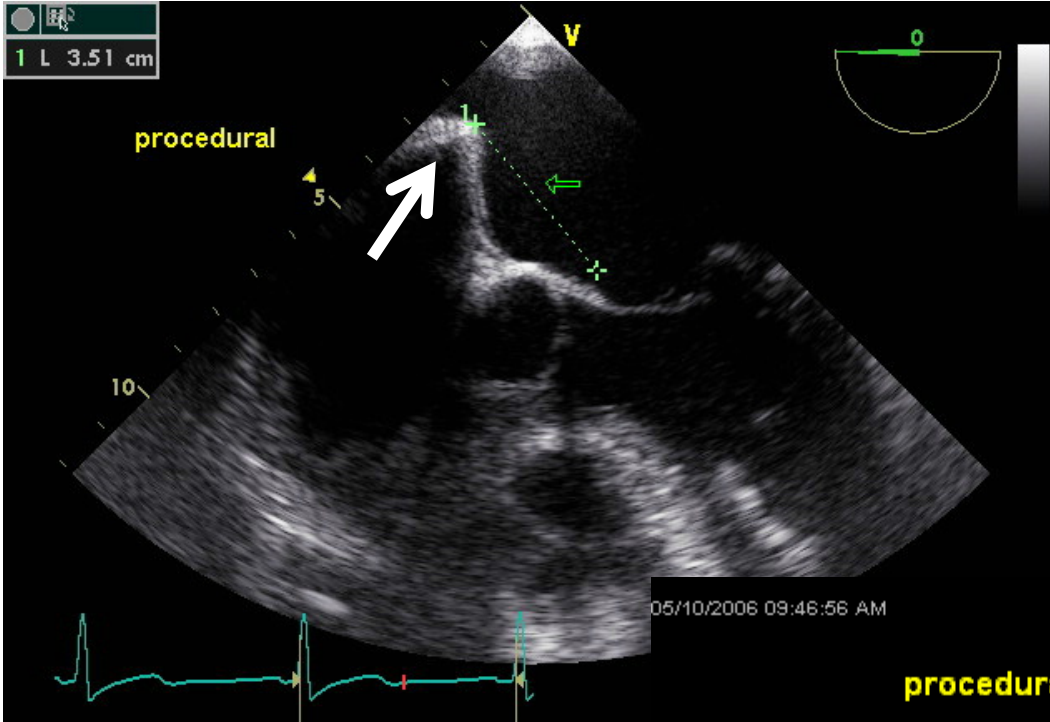
ICE

Lossy compression - not intended for diagnosis

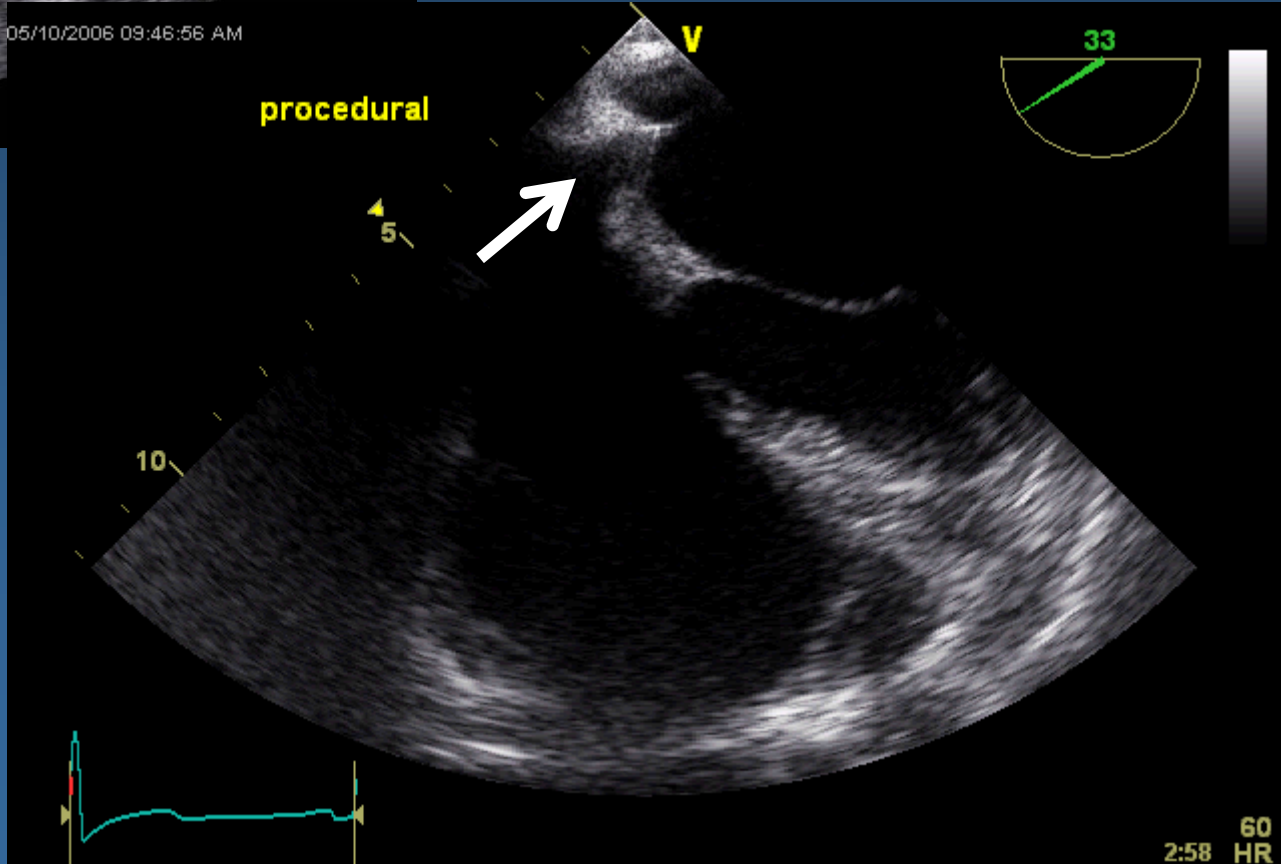


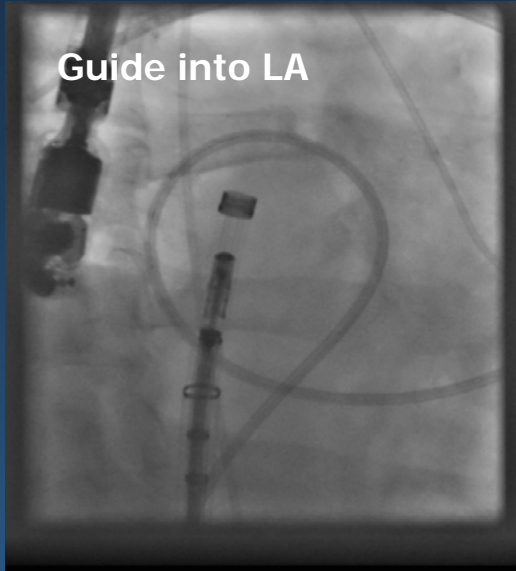
Lossy compression - not intended for diagnosis



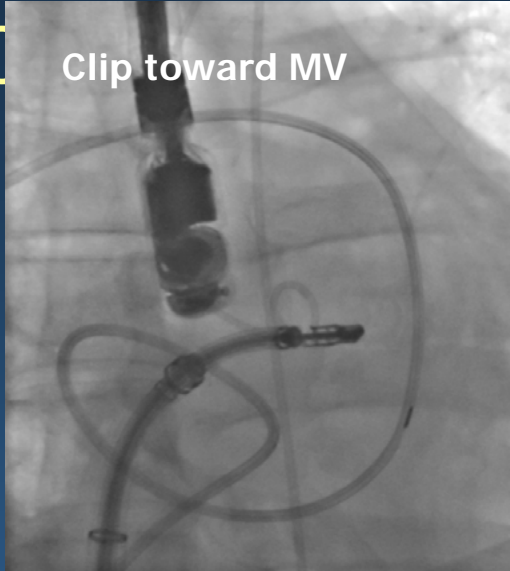


TEE
Evalve
 High Posterior Stick
 >3cm Height

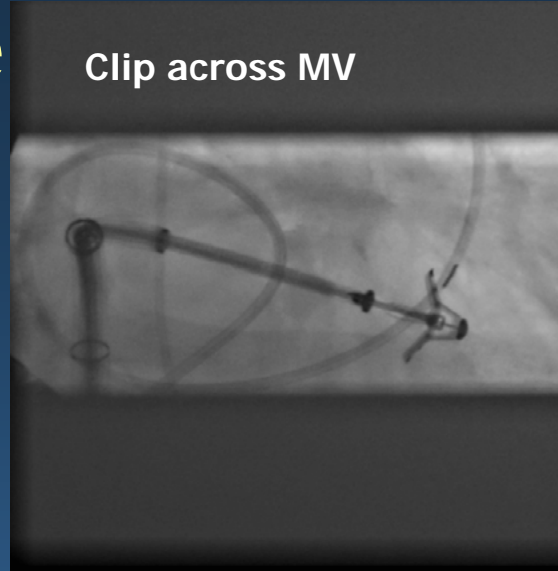




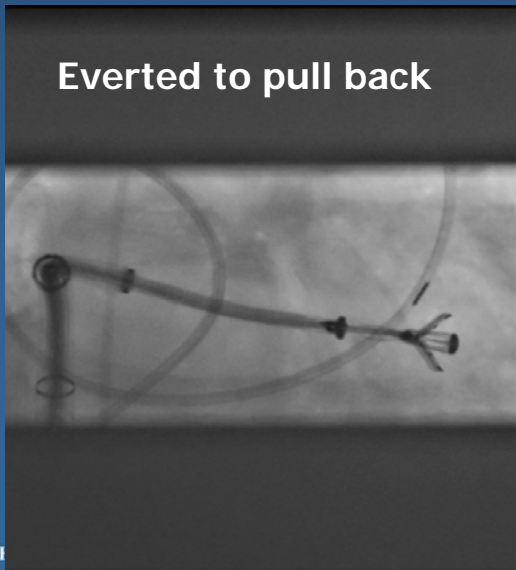
Guide into LA



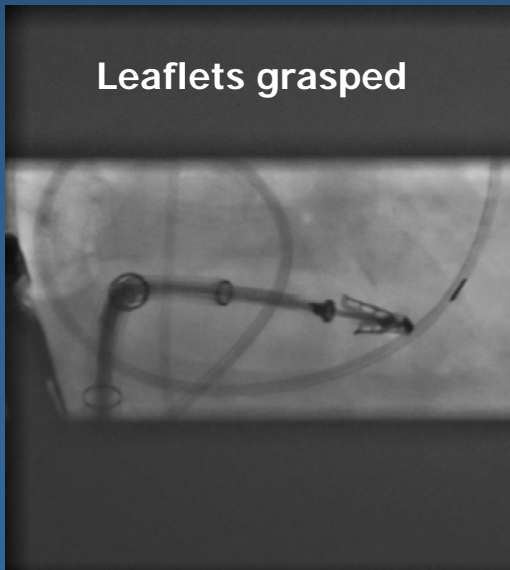
Clip toward MV



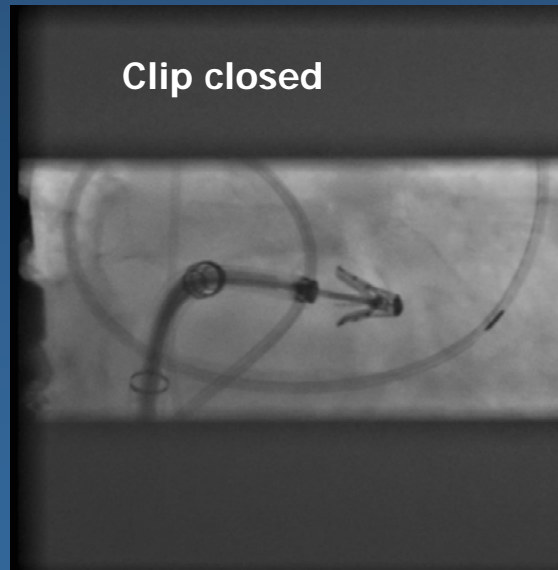
Clip across MV



Everted to pull back

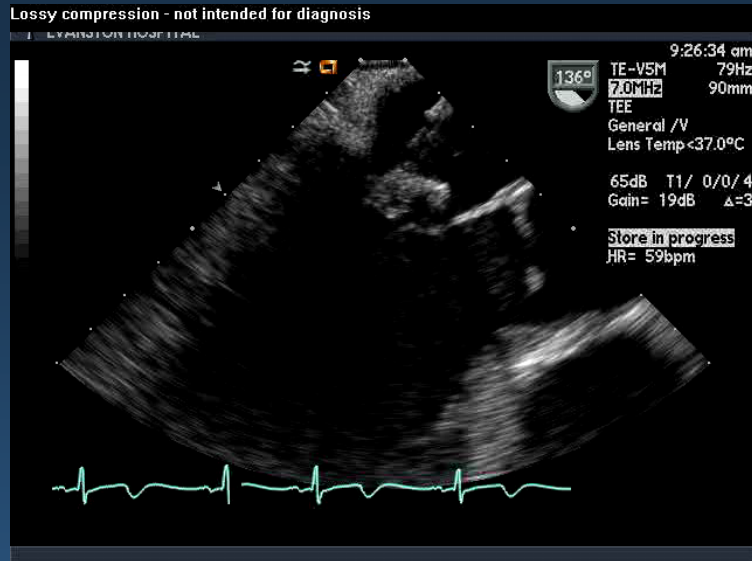


Leaflets grasped

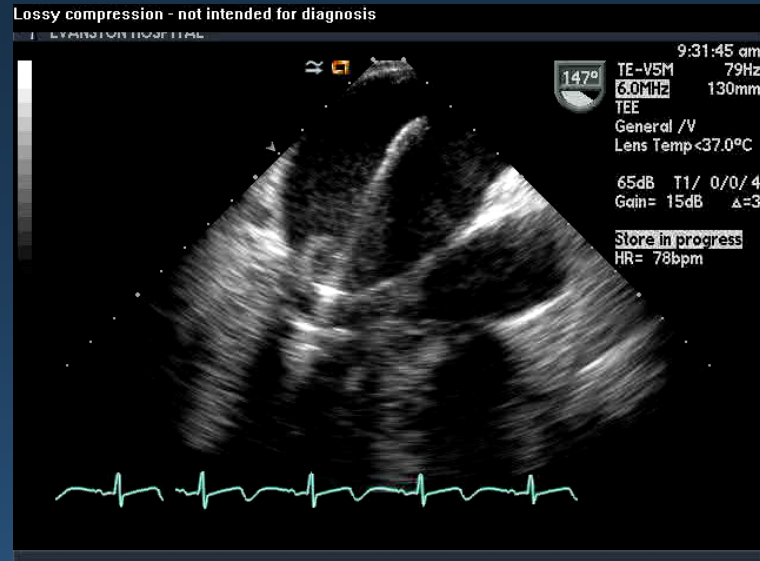


Clip closed

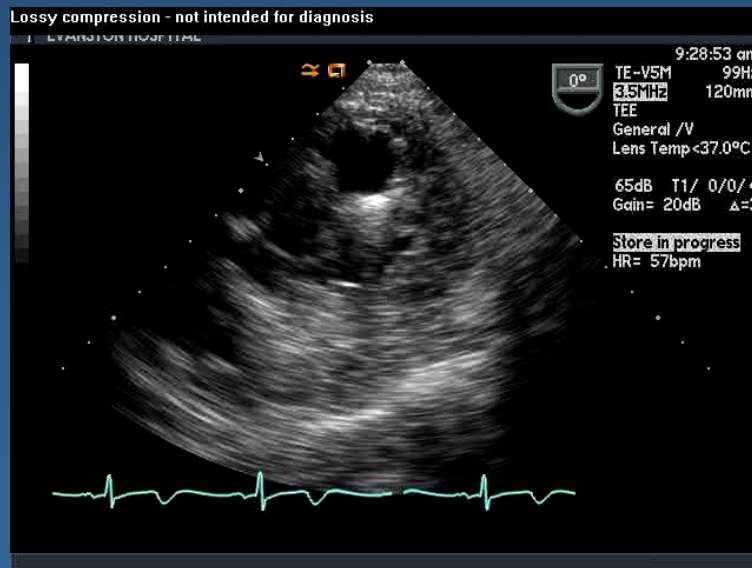
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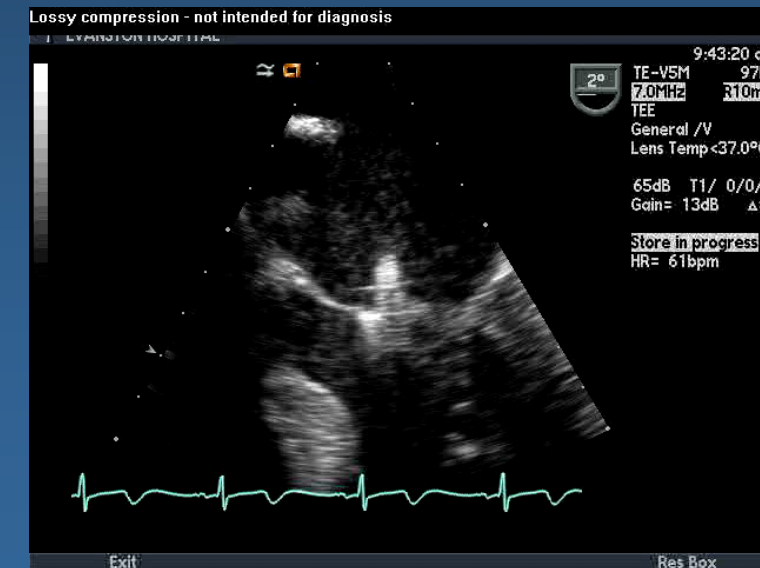
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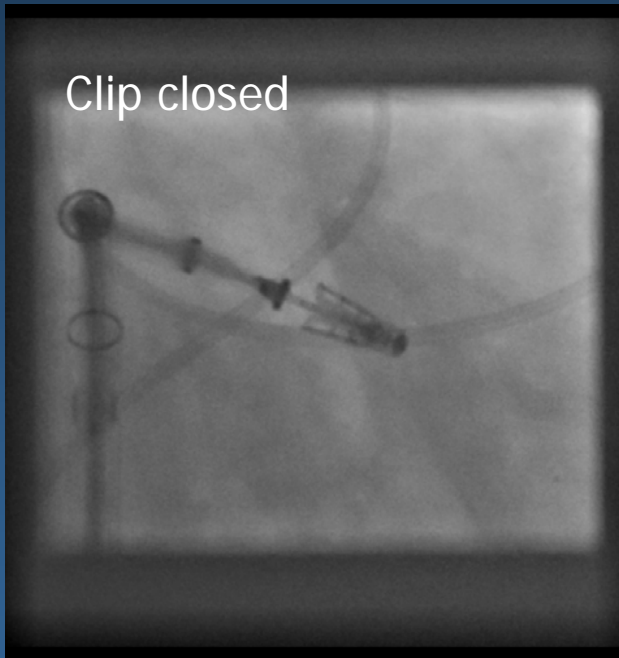
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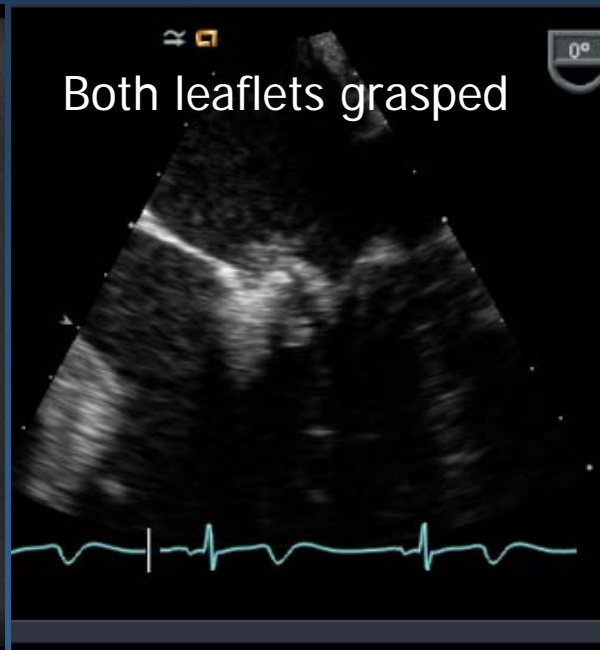
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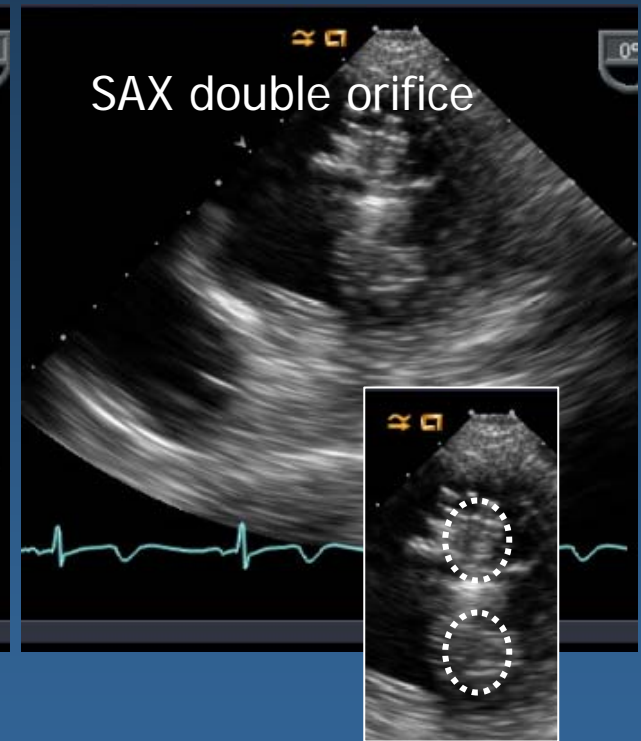
Clip closed



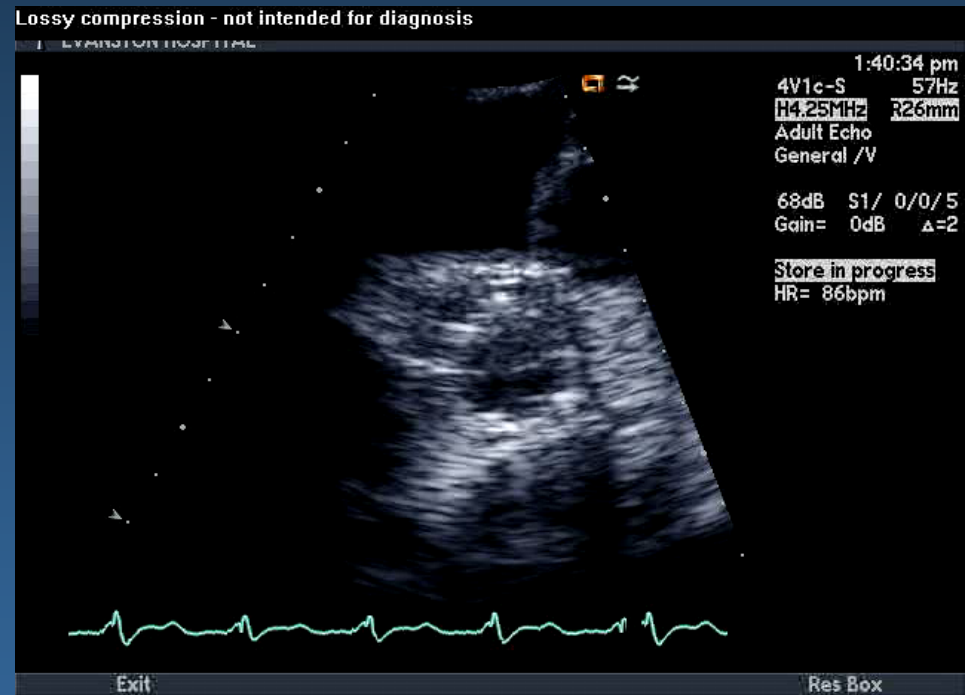
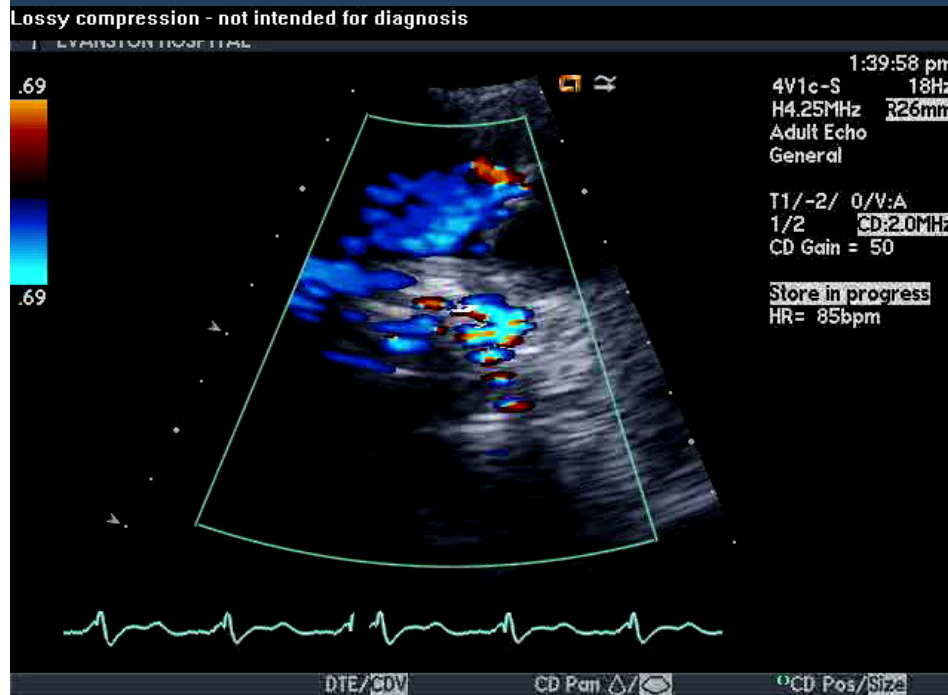
Both leaflets grasped



SAX double orifice

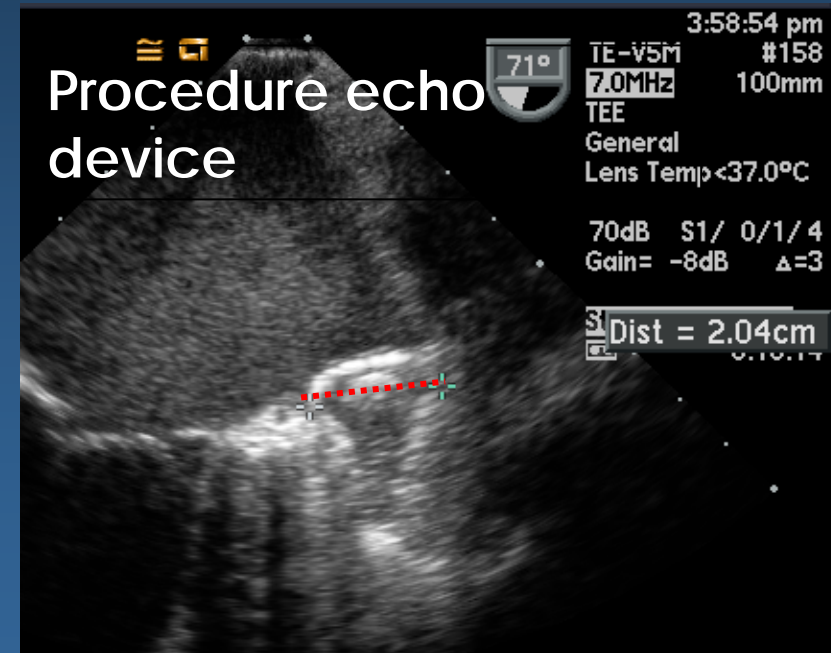
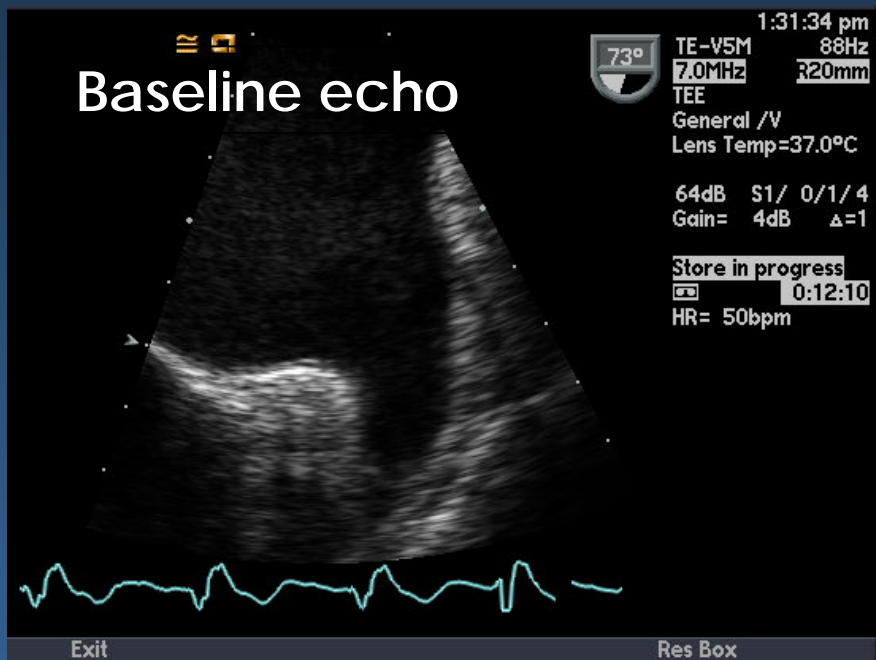


TTE post tAVR



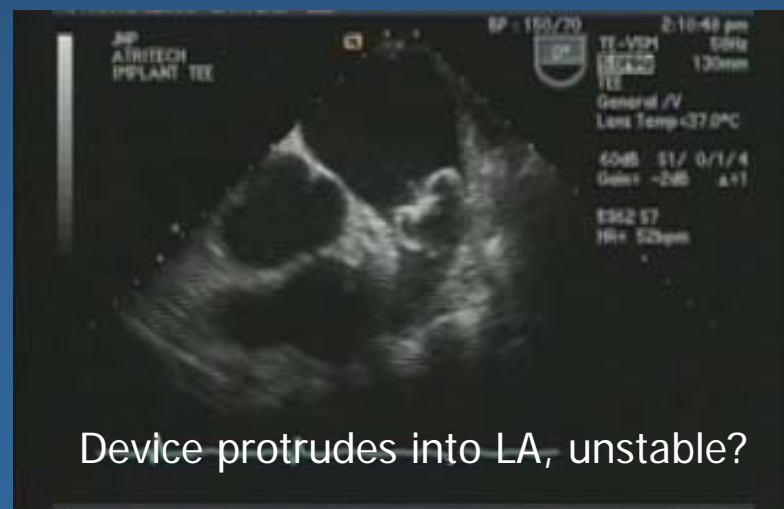
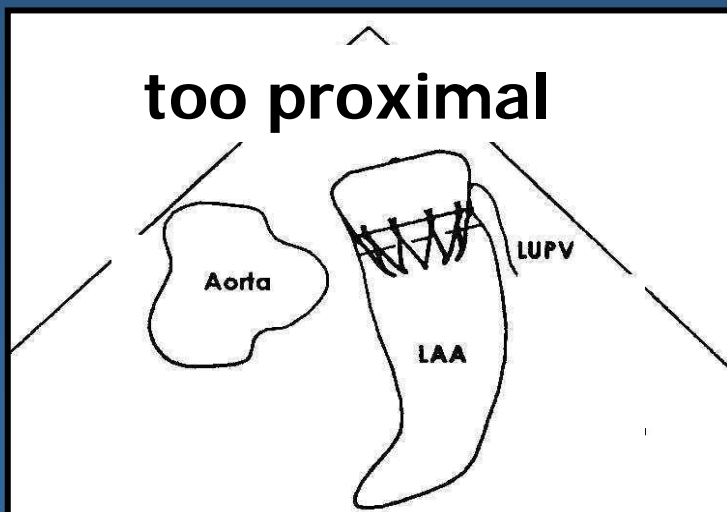
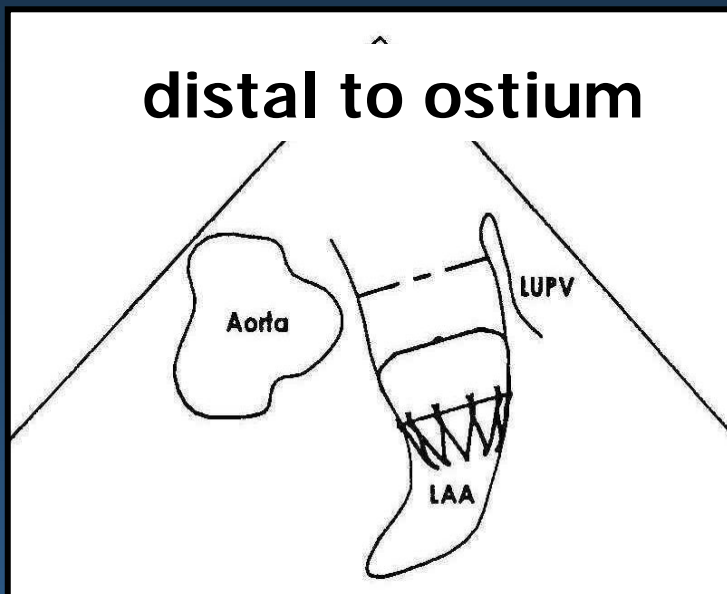
LAA Occlusion

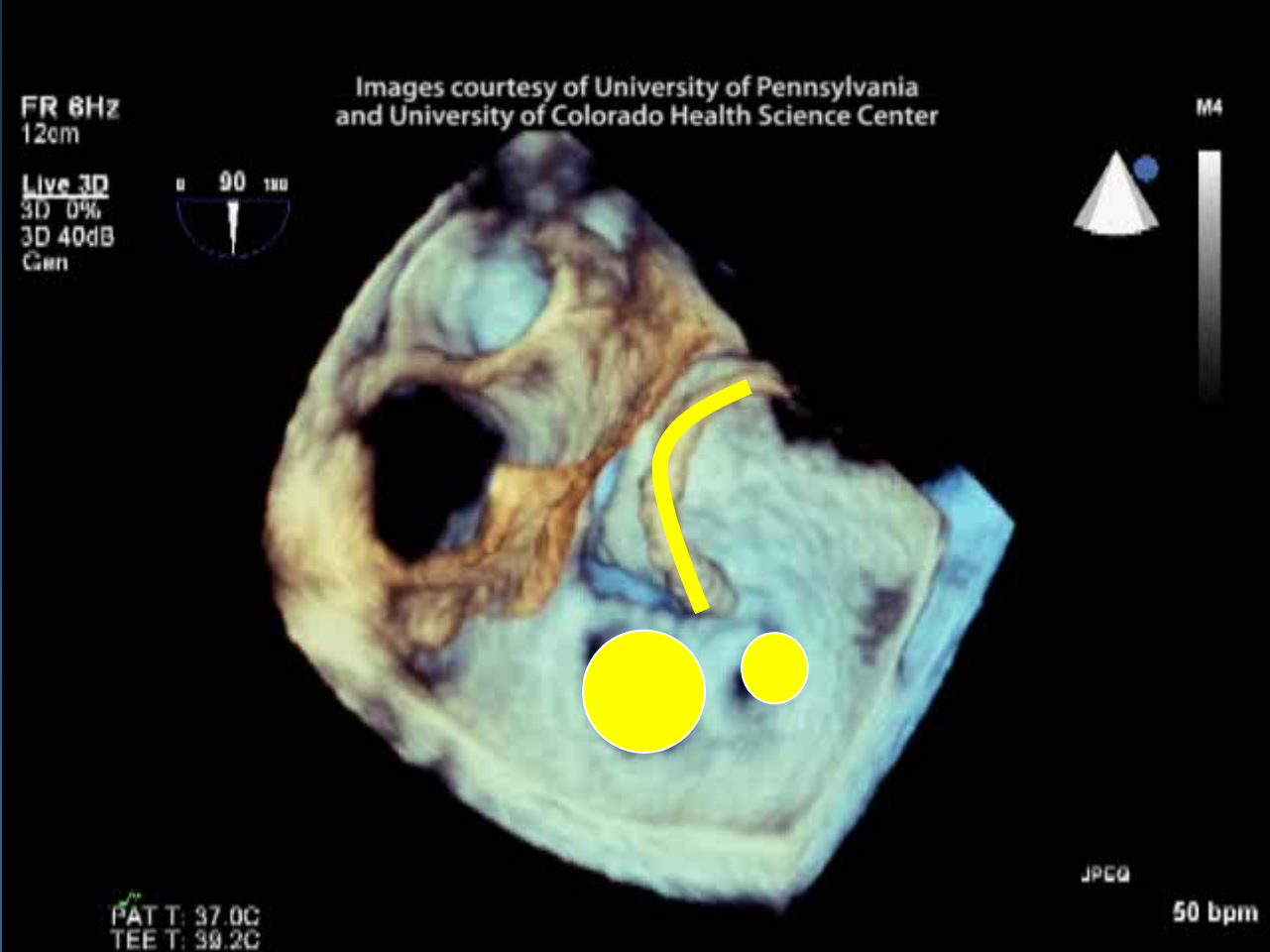
Successful device implantation



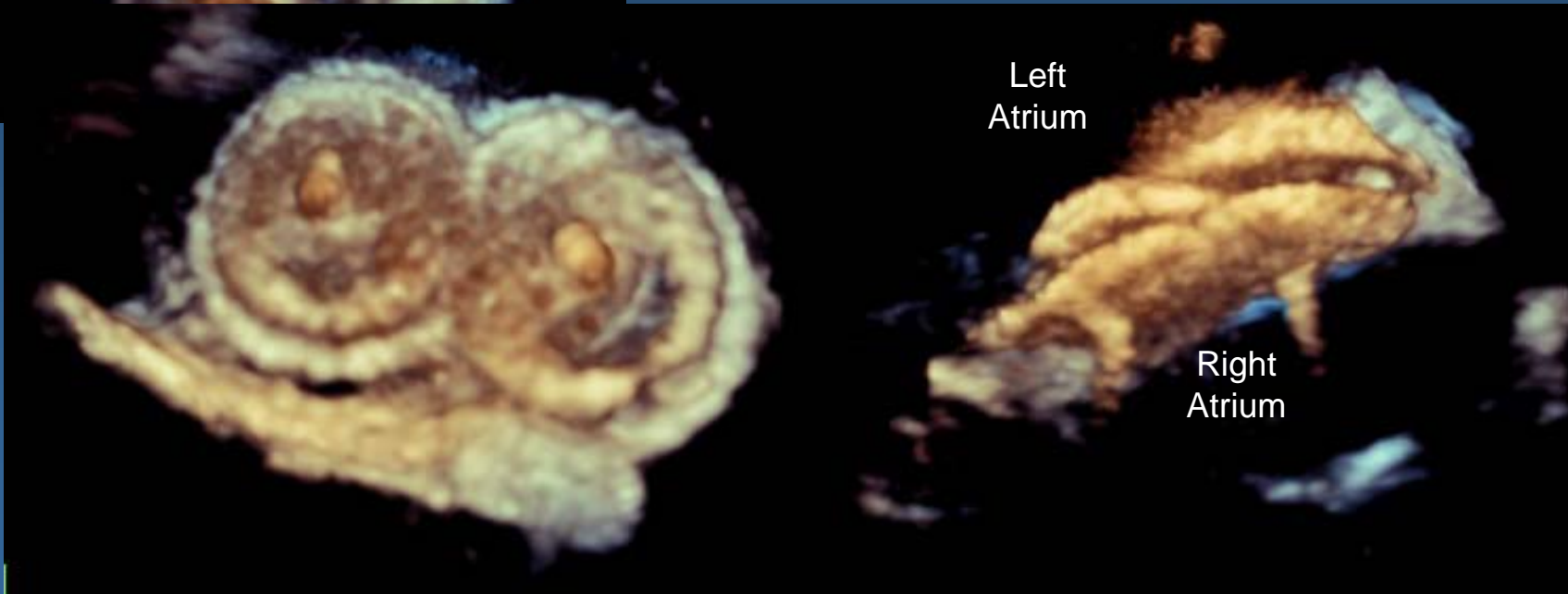
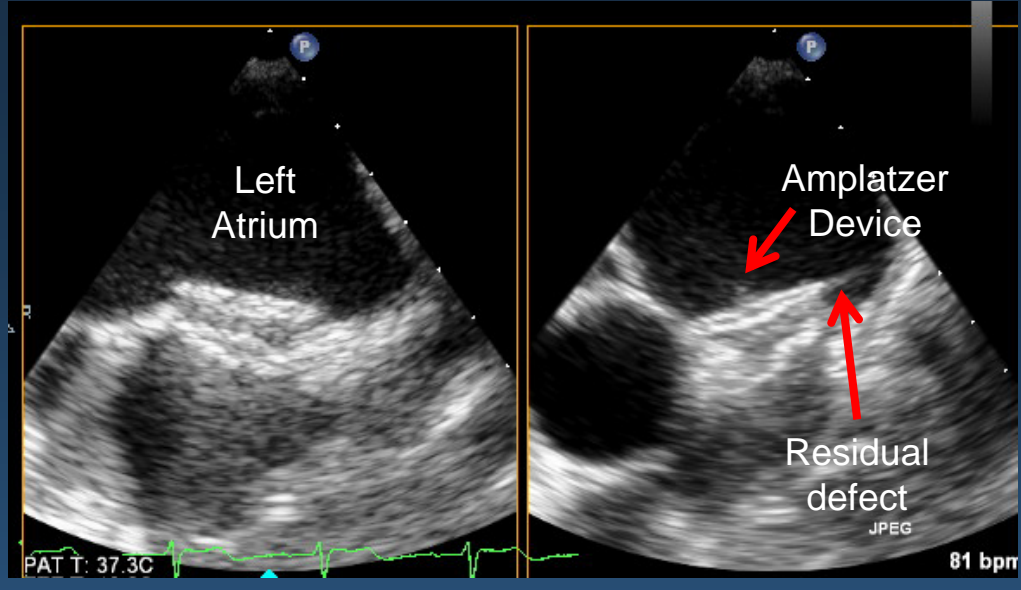
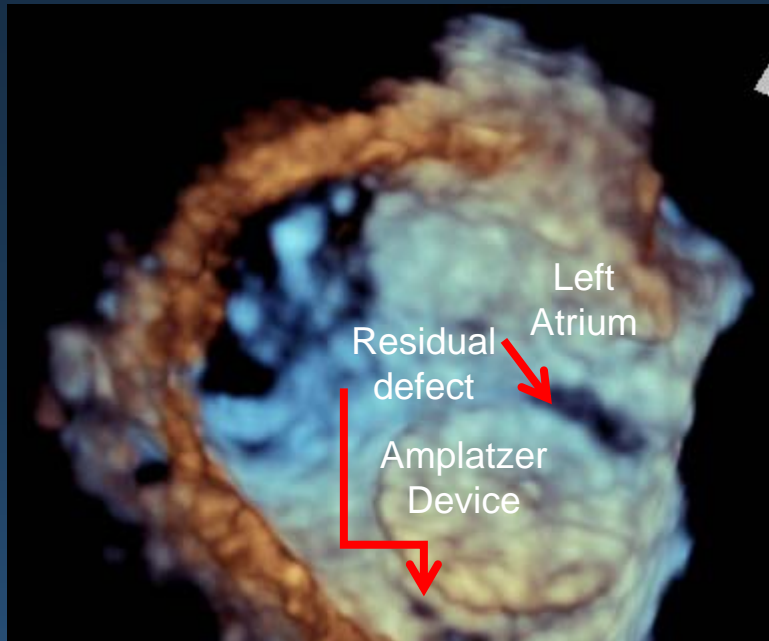
stability, position, size and LAA seal

Device placement considerations









Right Tool for the Job?

