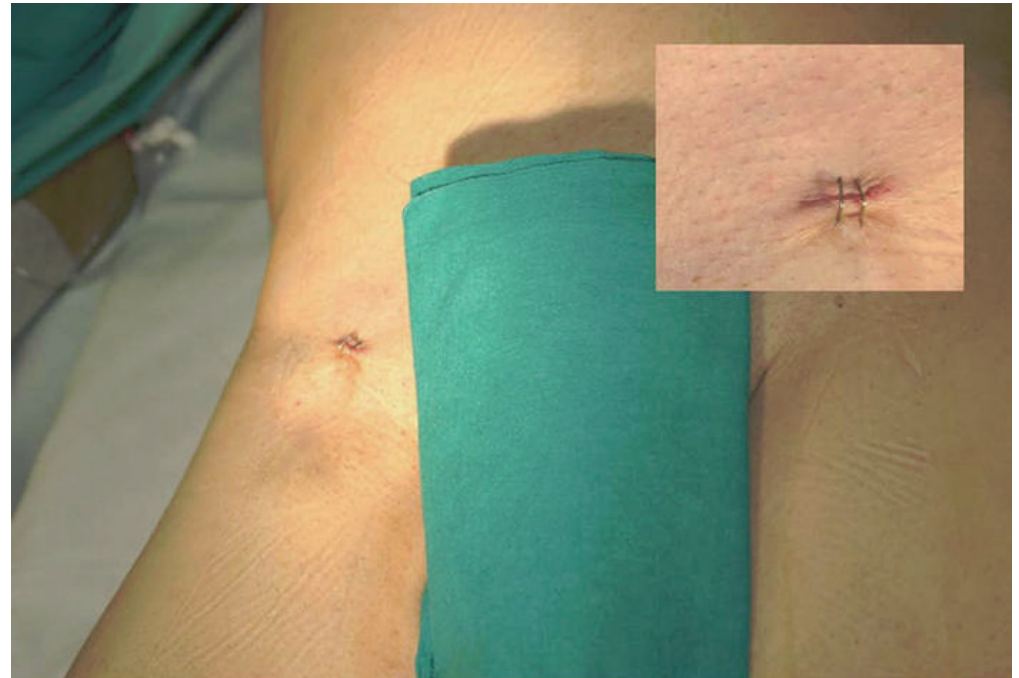


Closing Holes, Replacing Valves – What's new in Interventional Cardiology?

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Adult Congenital Cardiologist
Mazankowski Alberta Heart
Institute*

What's Interventional Cardiology?



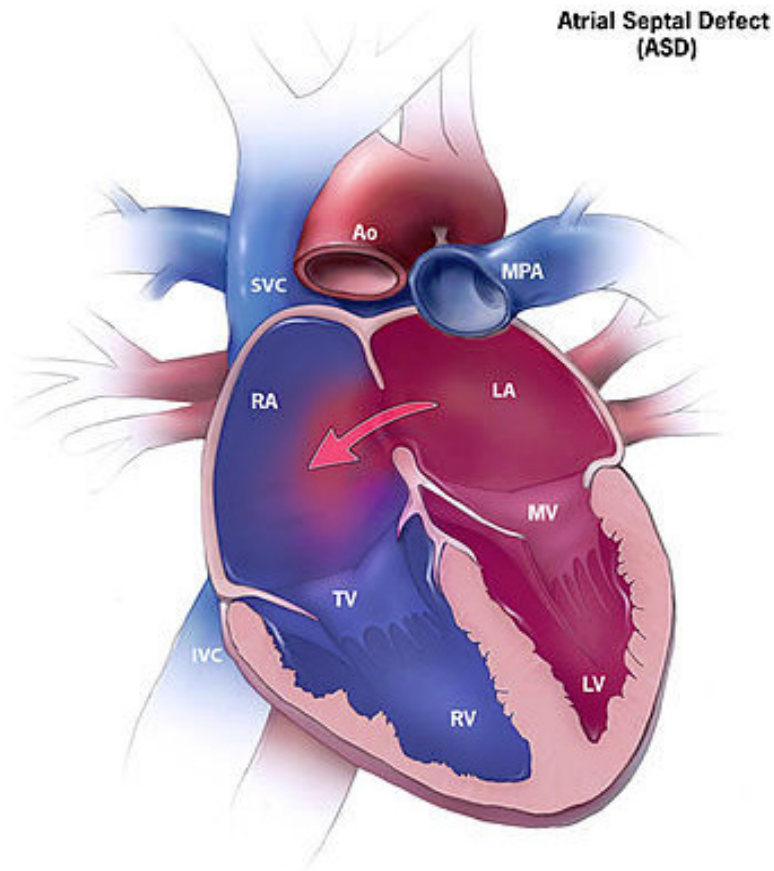
“Cardiac Cath Lab”



Common Conditions suitable for Interventional Approach

- Atrial septal defect
- Aortic coarctation
- Pulmonary valve replacement

Atrial Septal Defect (ASD)

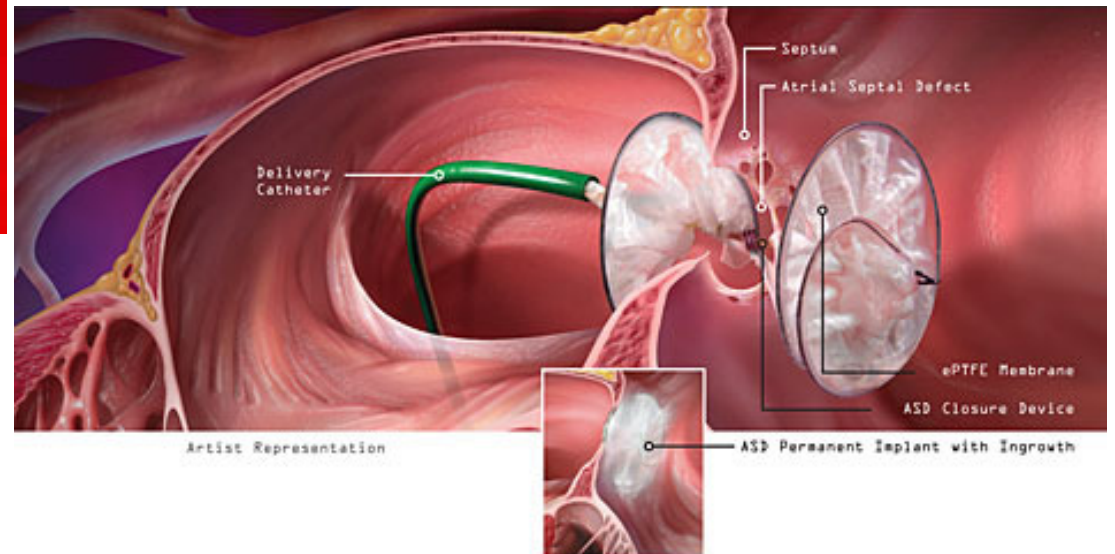
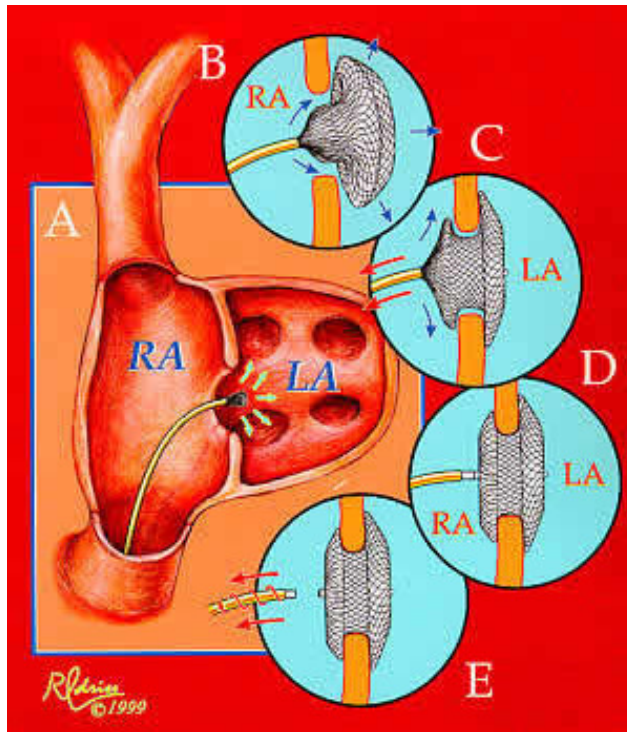


RA, Right Atrium
RV, Right Ventricle
LA, Left Atrium
LV, Left Ventricle

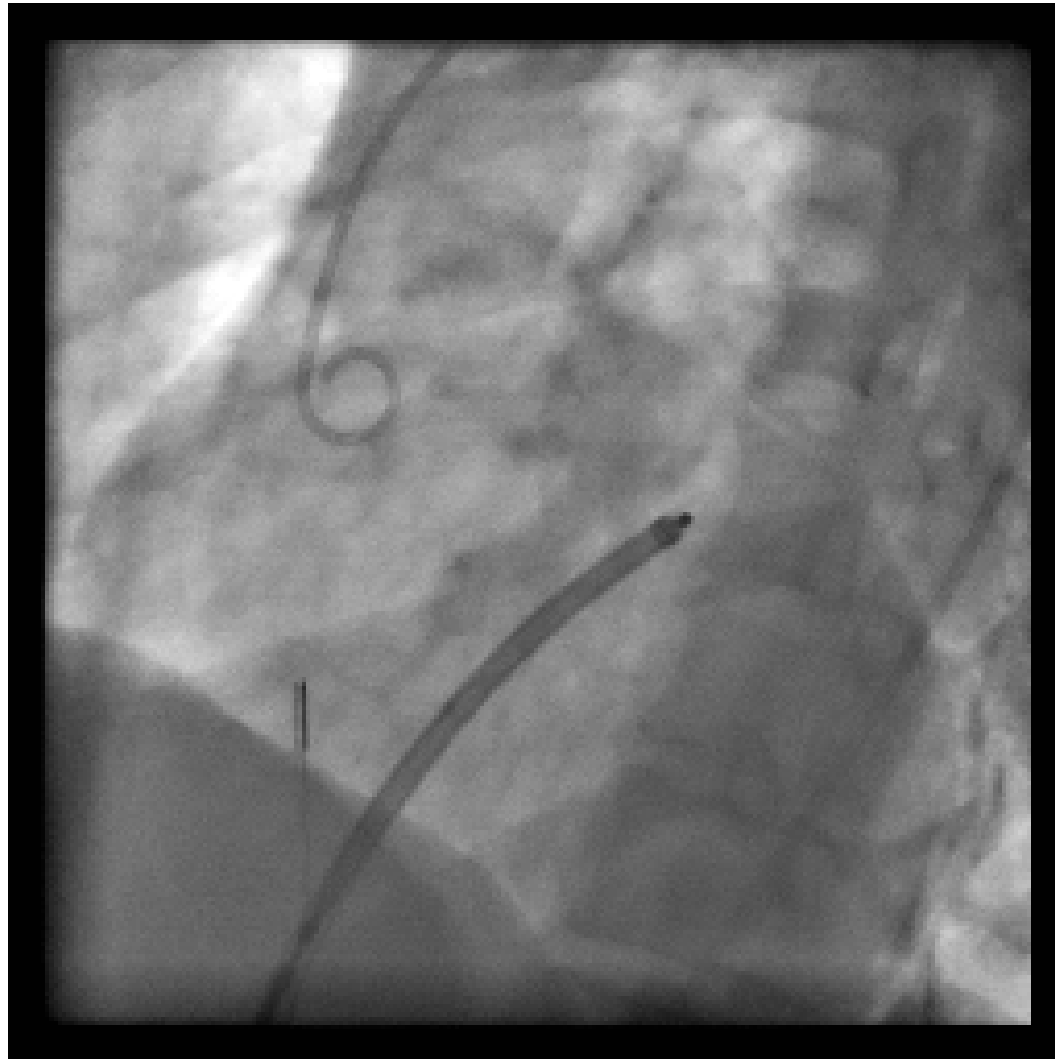
SVC, Superior Vena Cava
IVC, Inferior Vena Cava
MPA, Main Pulmonary Artery
Ao, Aorta

TV, Tricuspid Valve
MV, Mitral Valve

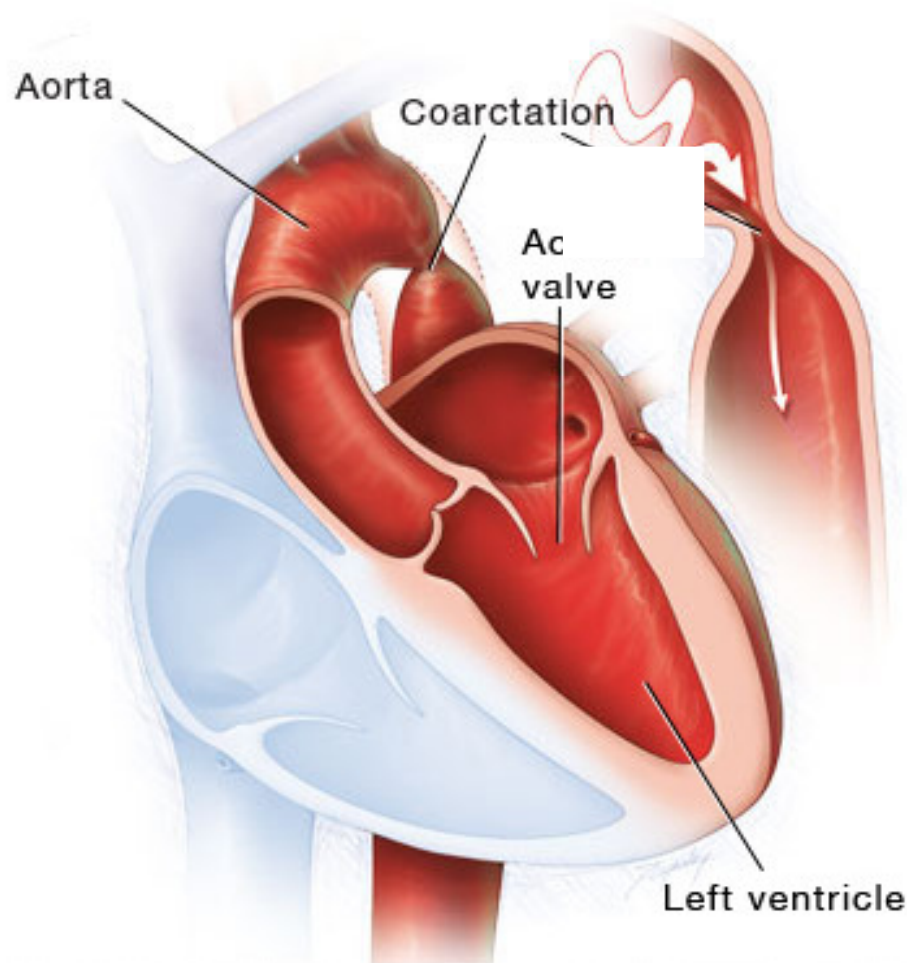
Closing an ASD



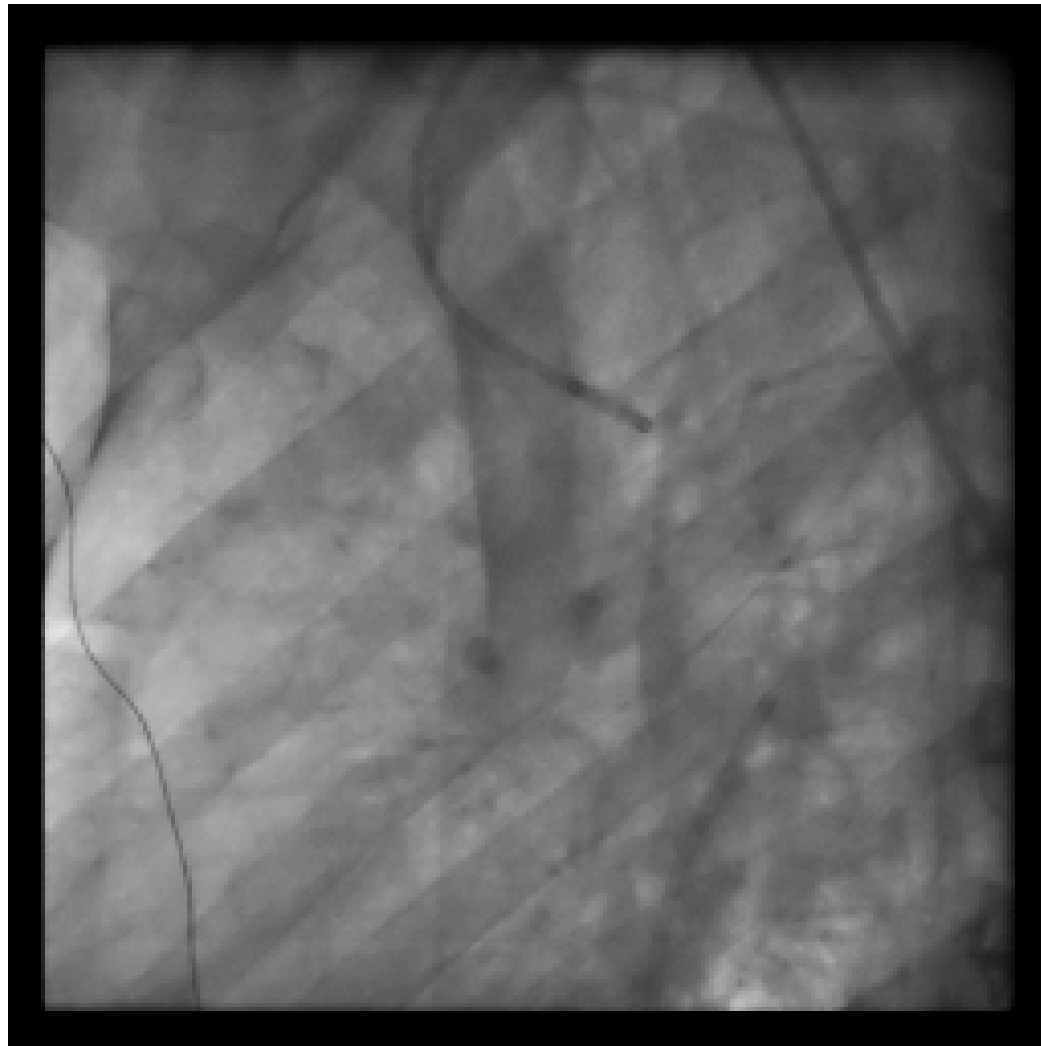
ASD - Recent Case



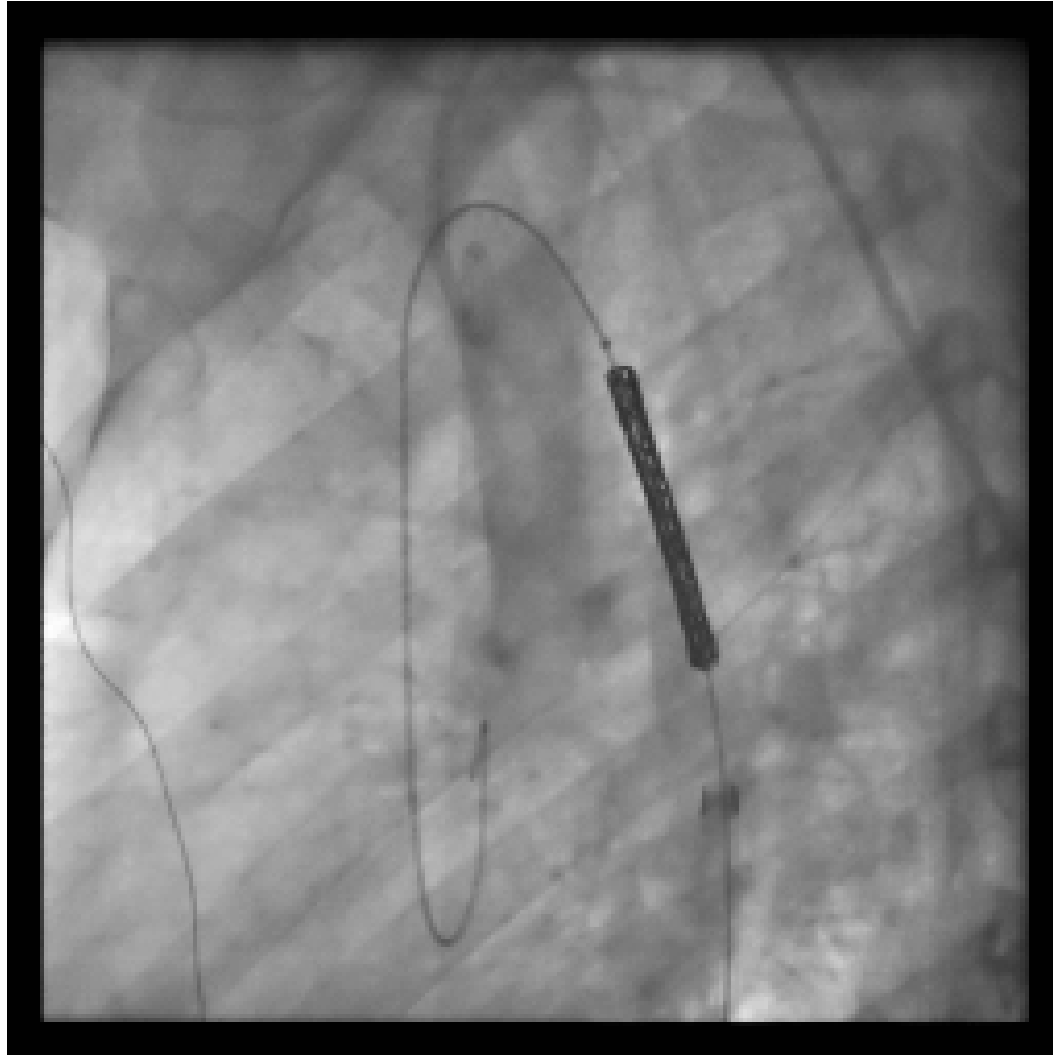
Aortic Coarctation



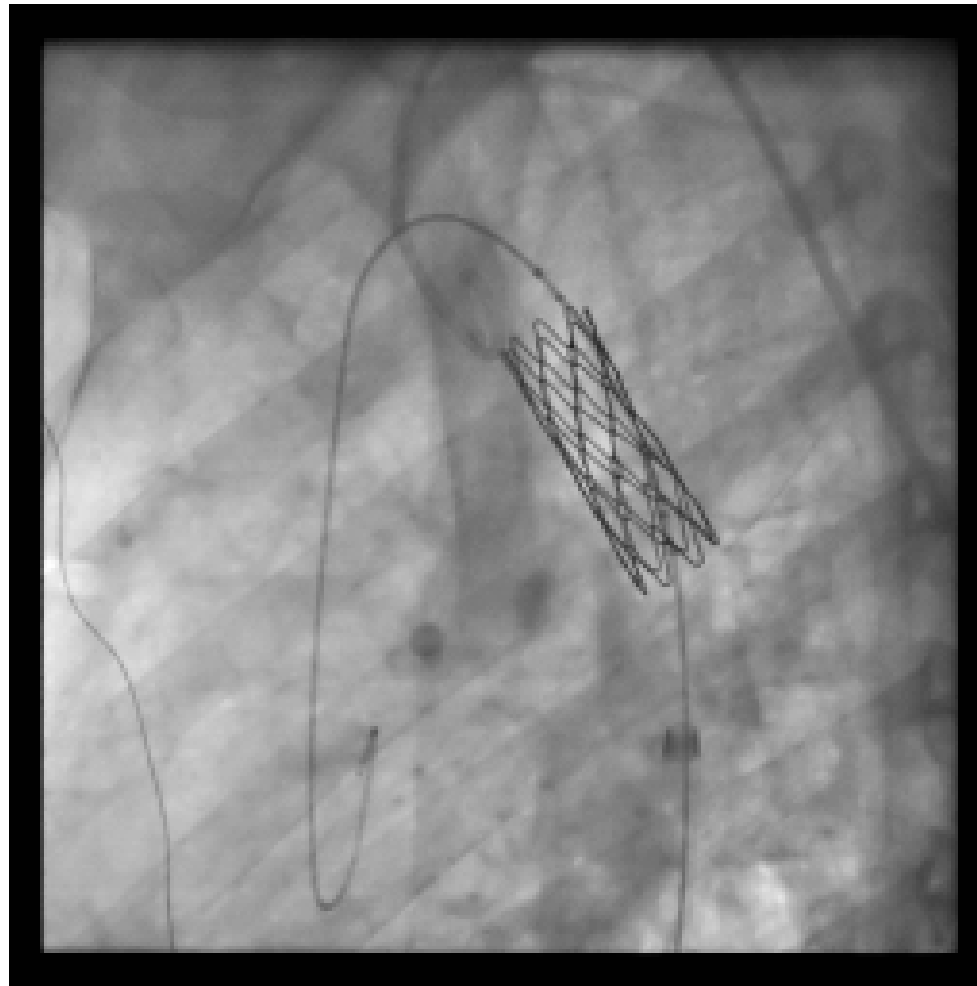
Aortic Coarctation – Recent Case



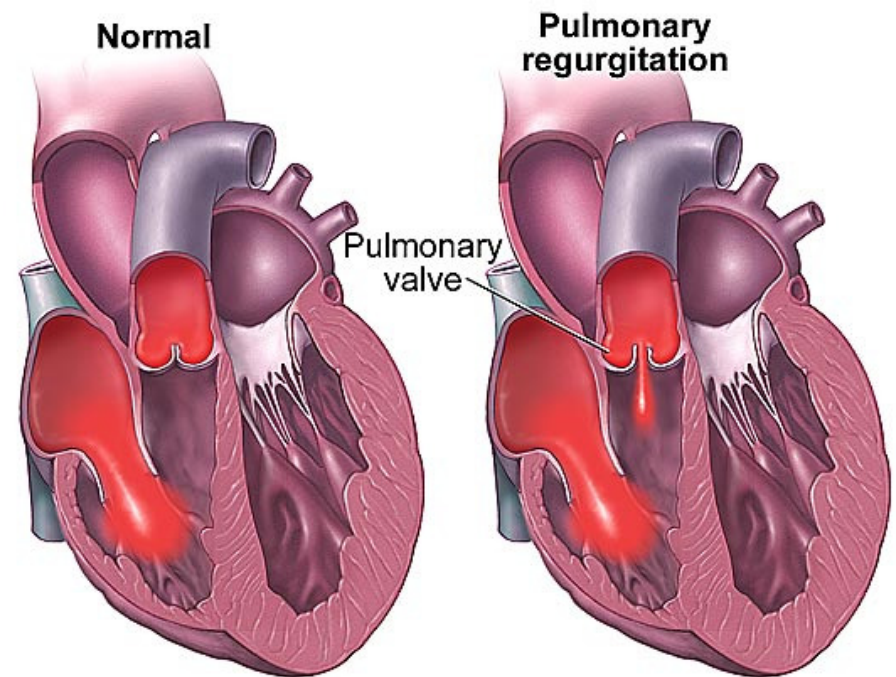
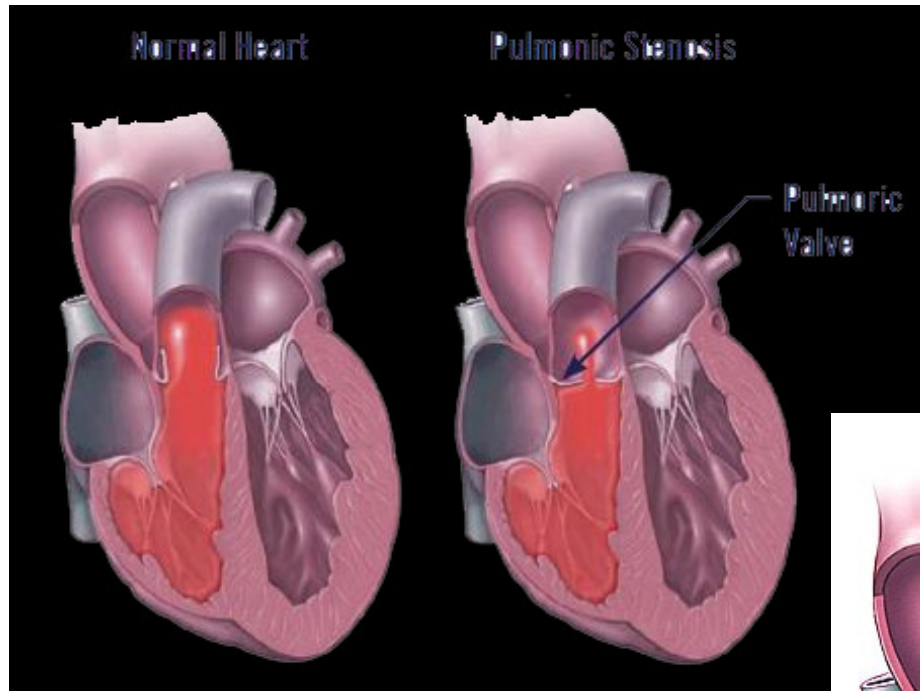
Aortic Coarctation Stent



Aortic Coarctation Stent Result



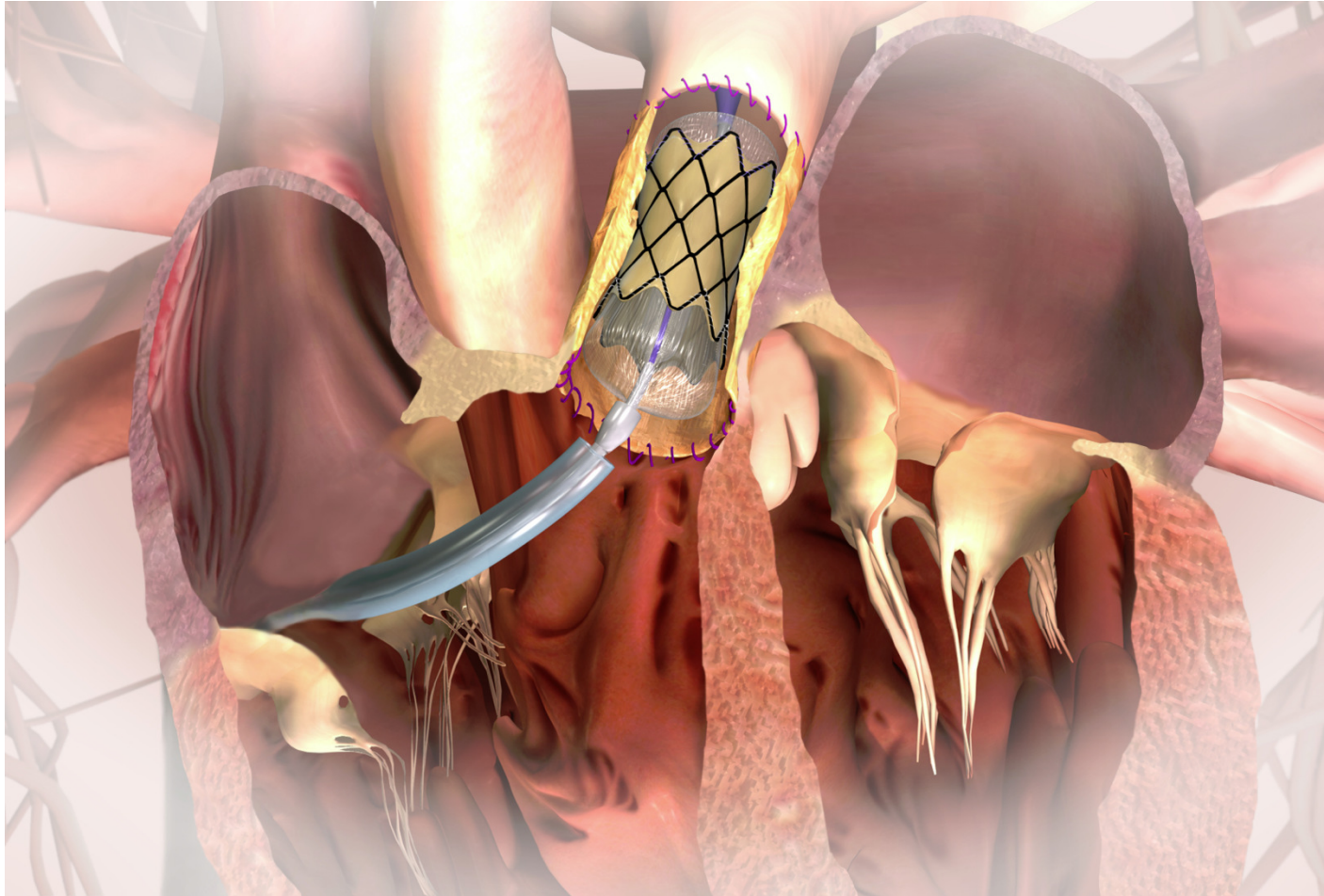
Pulmonary Stenosis or Regurgitation



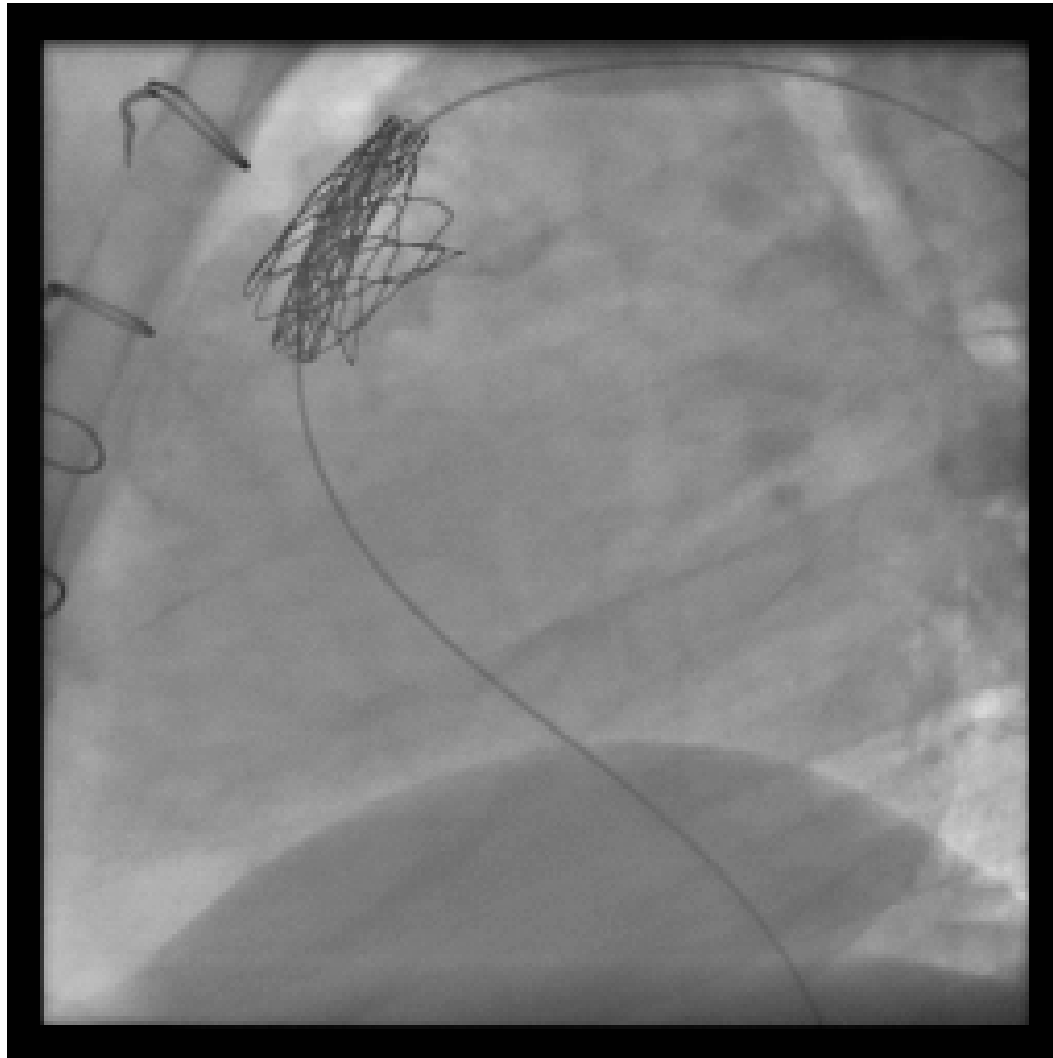
Pulmonary Insufficiency



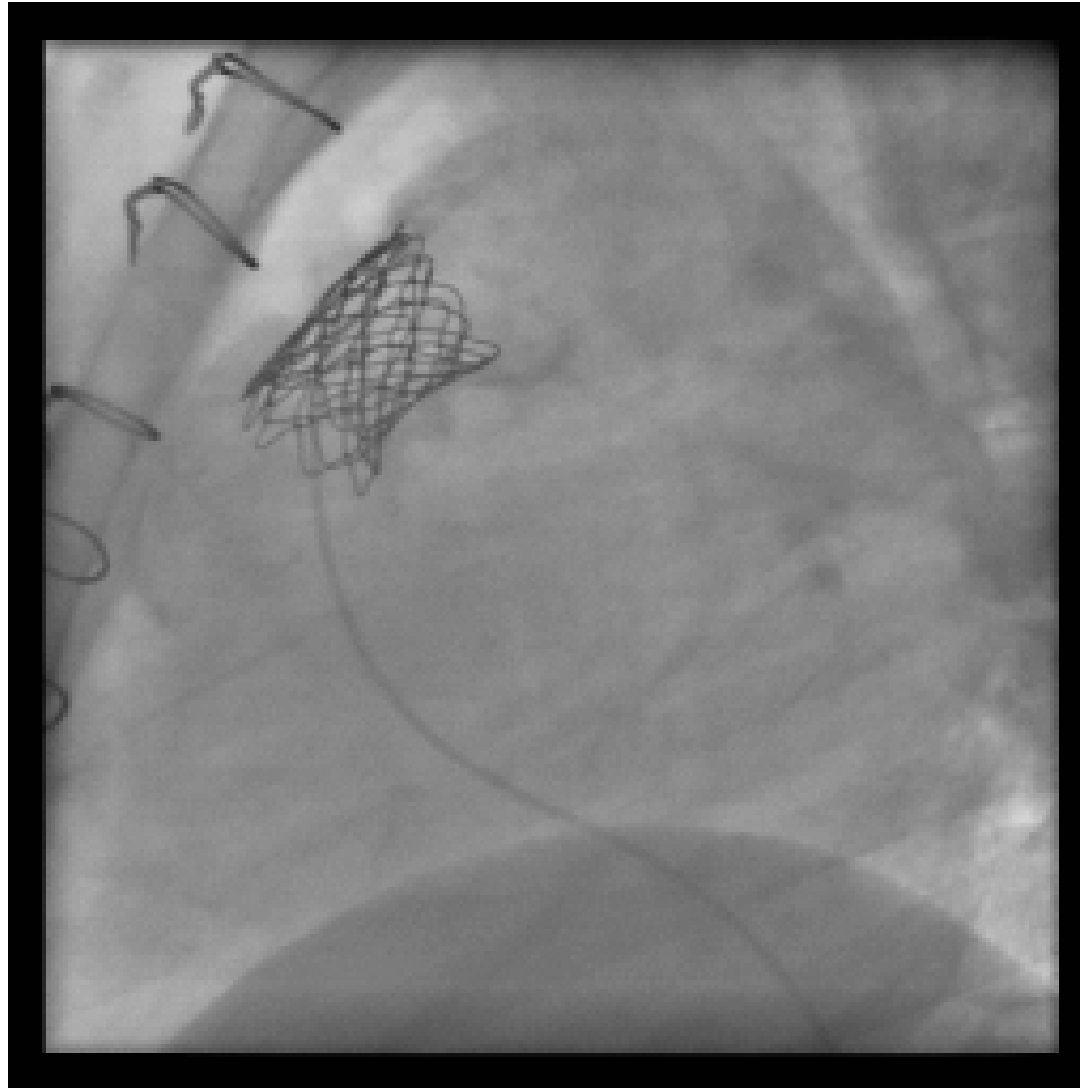
Transcatheter Pulmonary Valve



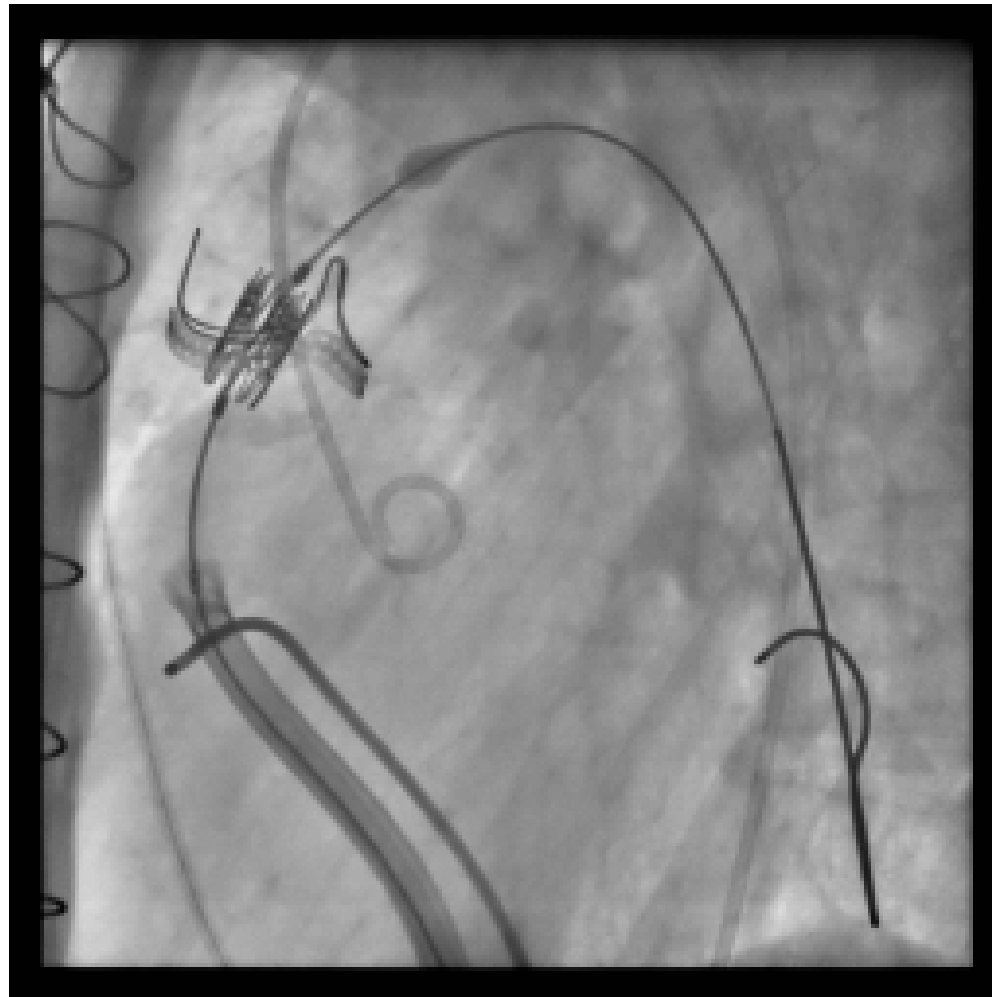
Transcatheter Pulmonary Valve – Recent Case



Transcatheter Pulmonary Valve - Result



Transcatheter Pulmonary Valve Implantation – Another Option



Summary

- Interventional techniques allow more options for correcting congenital heart conditions.
- Smaller access points allow for speedier recovery.
- Always considered in terms of what approach will be best for the individual's needs



Thank you