

Aortic Arch Imaging

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No Disclosures



Agenda

- Patient positioning
- Finding the aortic arch in the SSN
- Arch sidedness
 - Left arch
 - Right arch
- Aortic arch measurements
- Coarctation

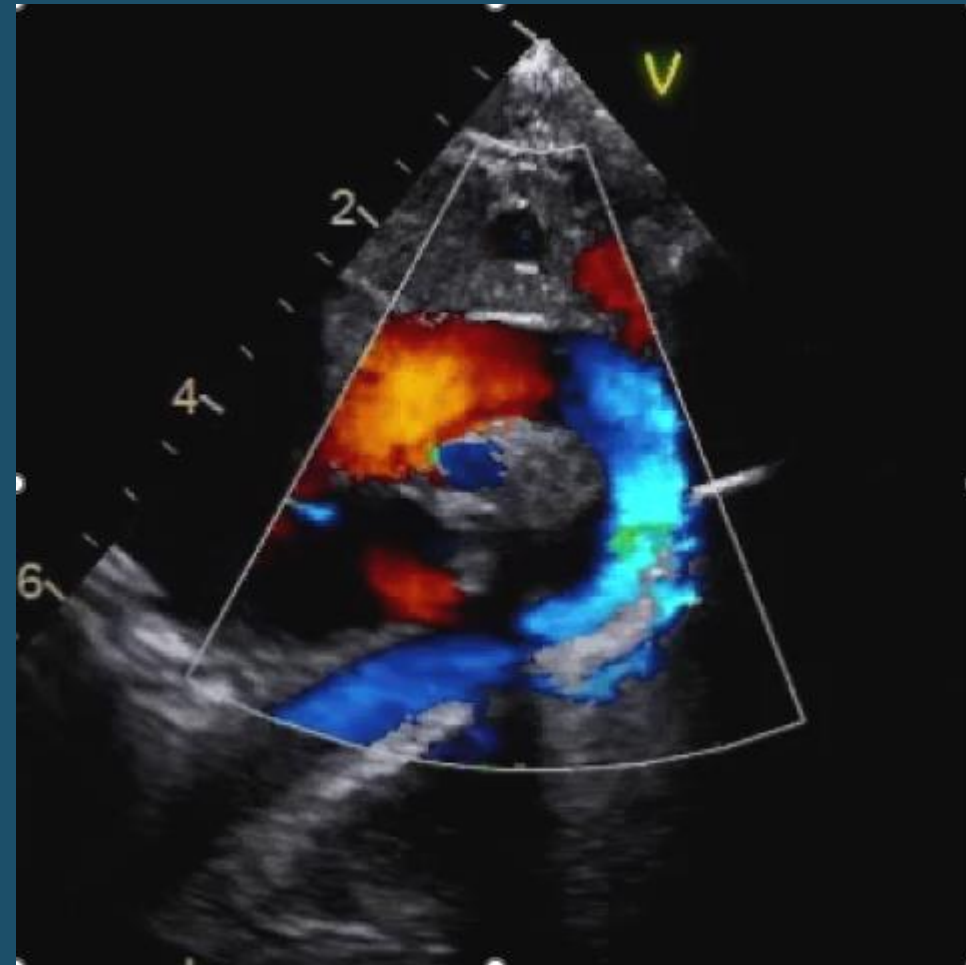
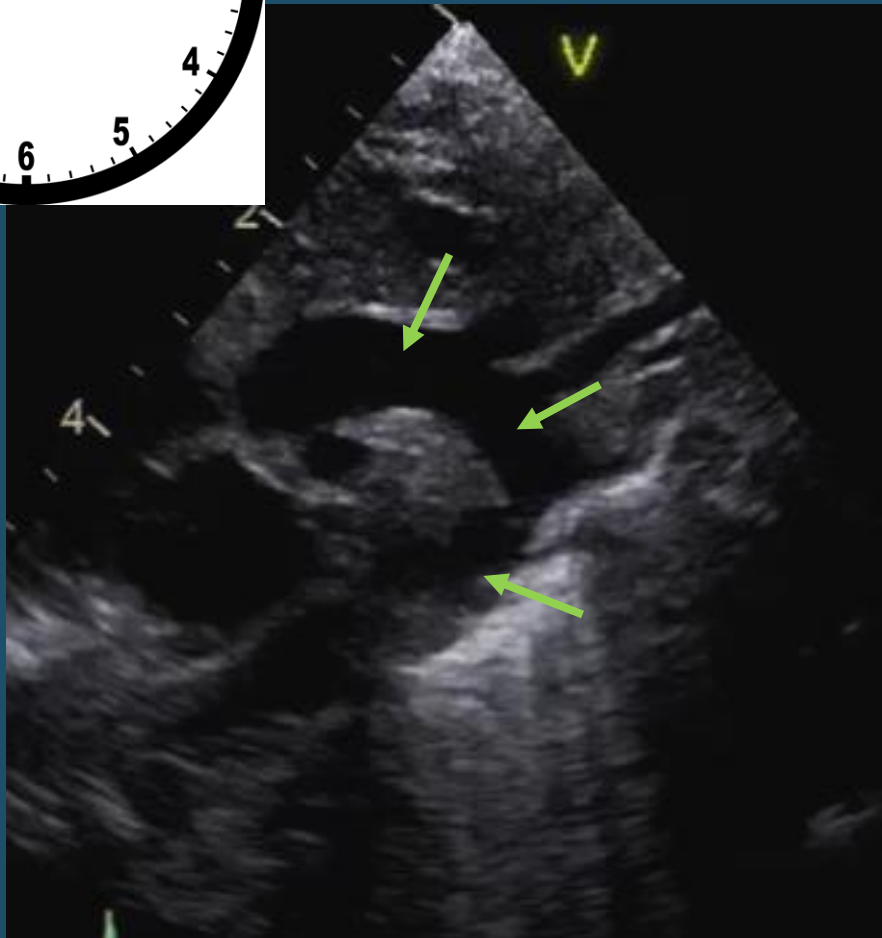
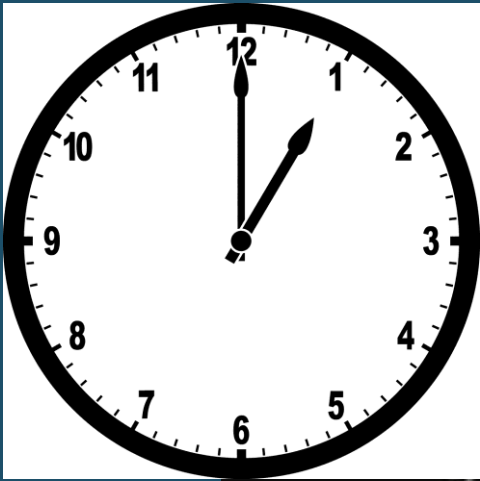




Patient positioning

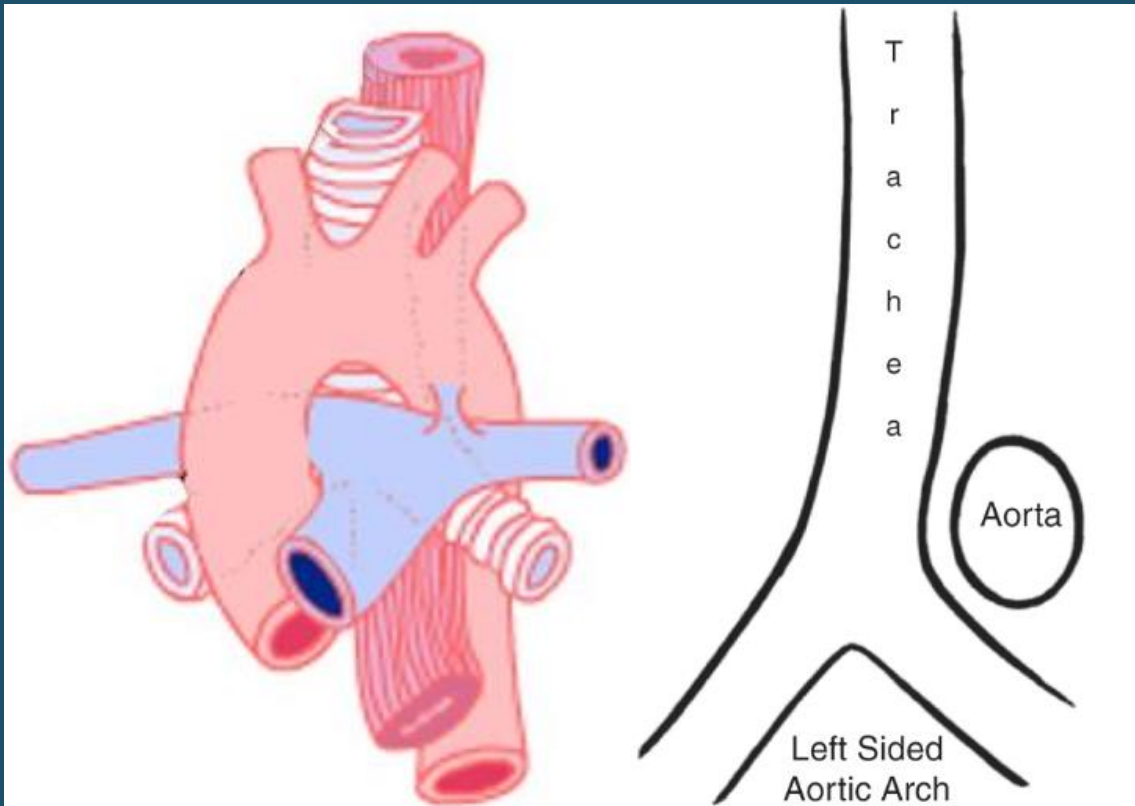
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Imaging the aortic arch Suprasternal Notch

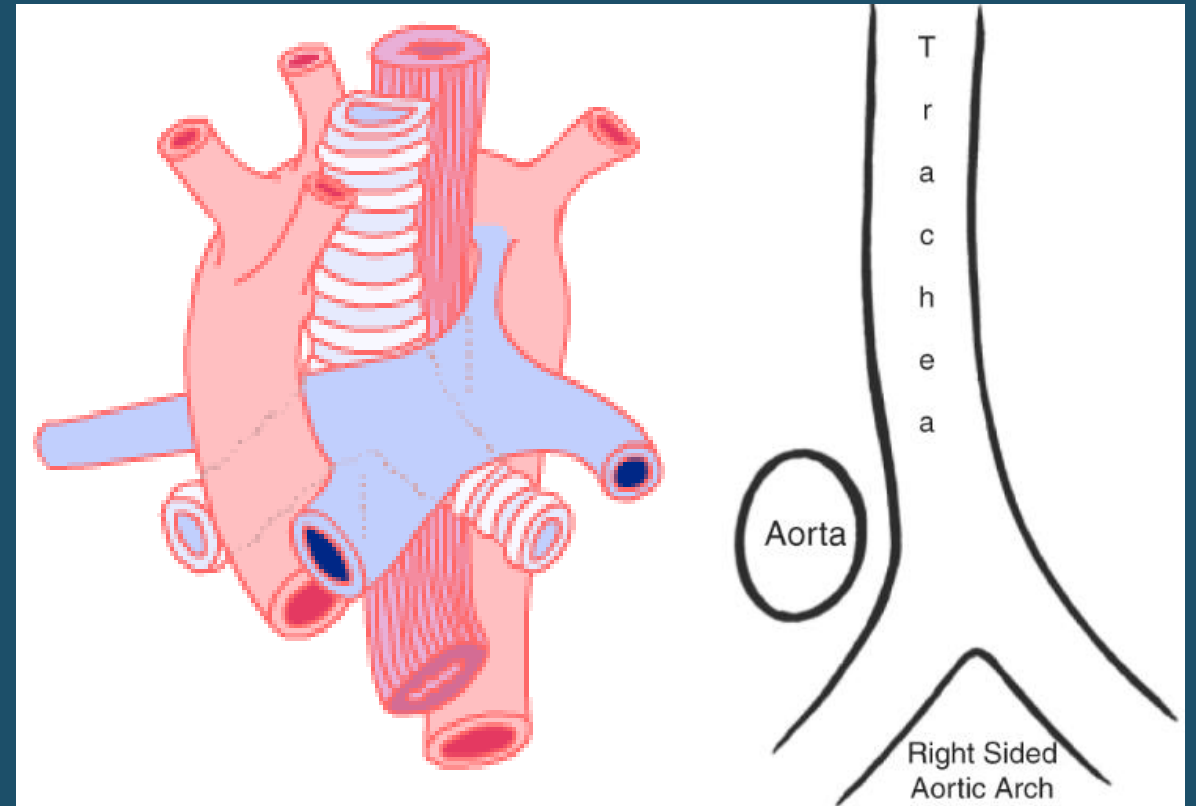


Arch sidedness

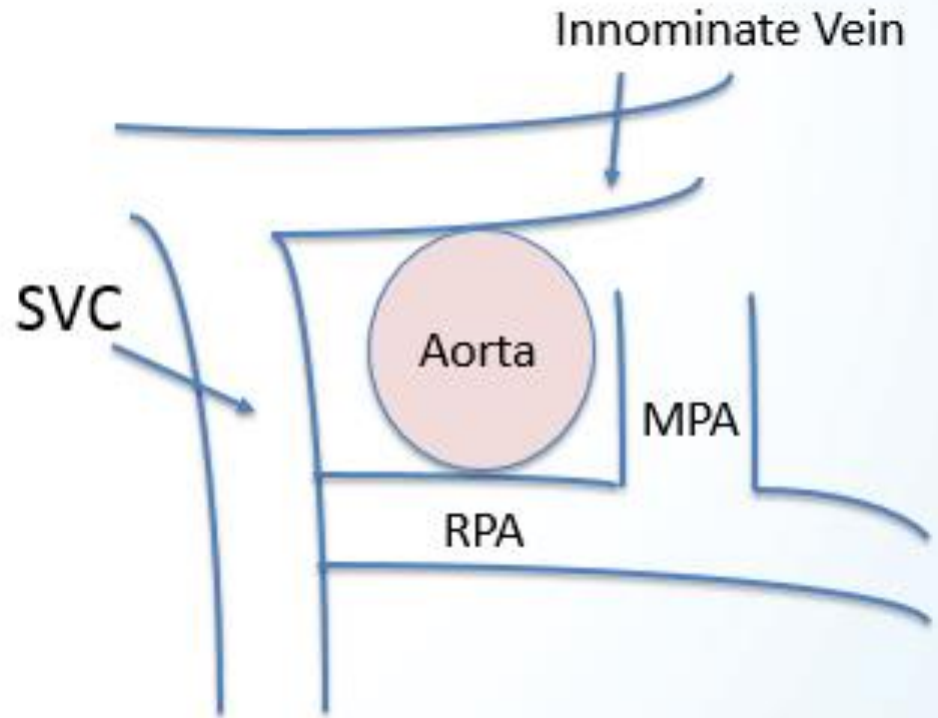
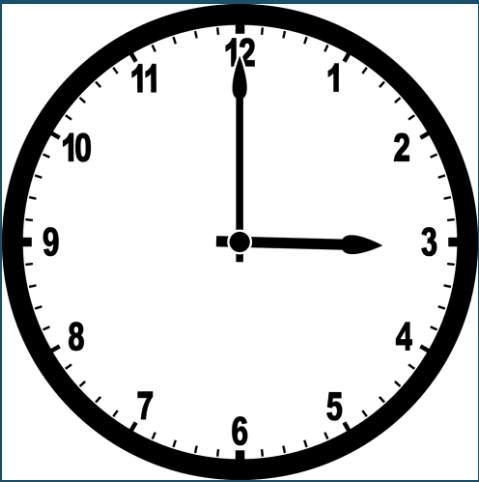
Left Aortic Arch



Right Aortic Arch



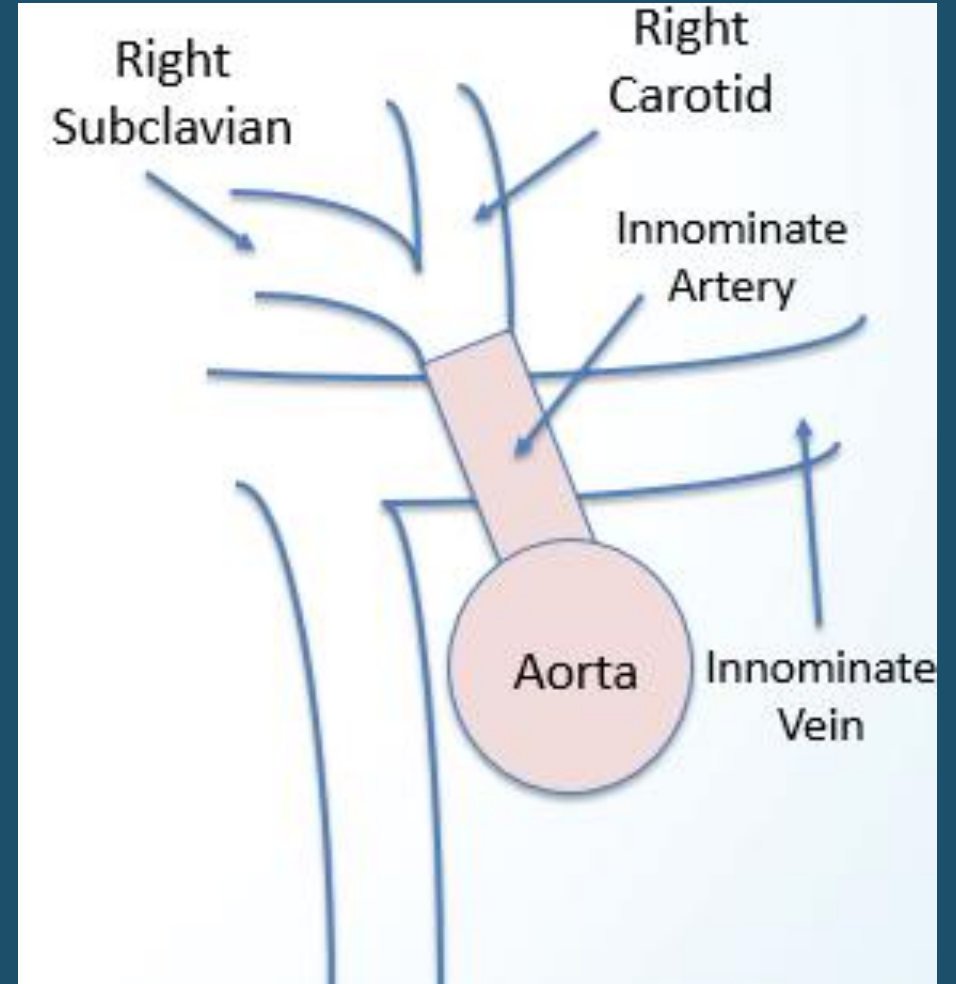
Imaging Arch Sidedness



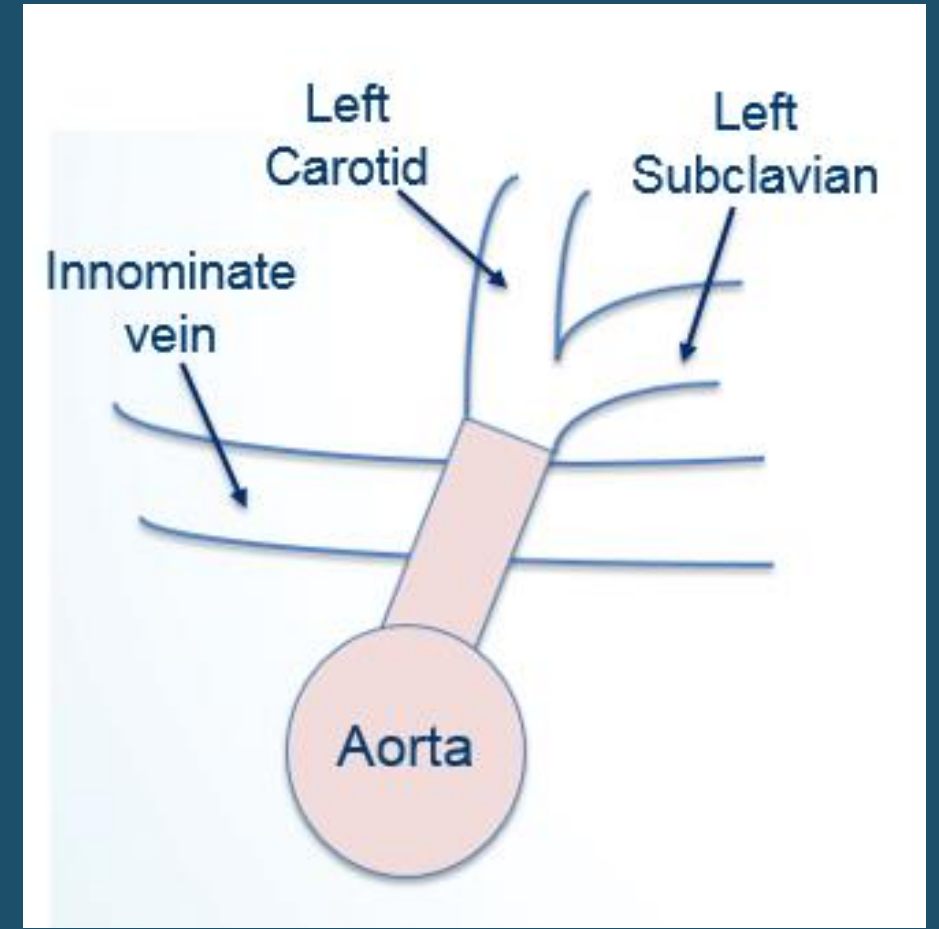
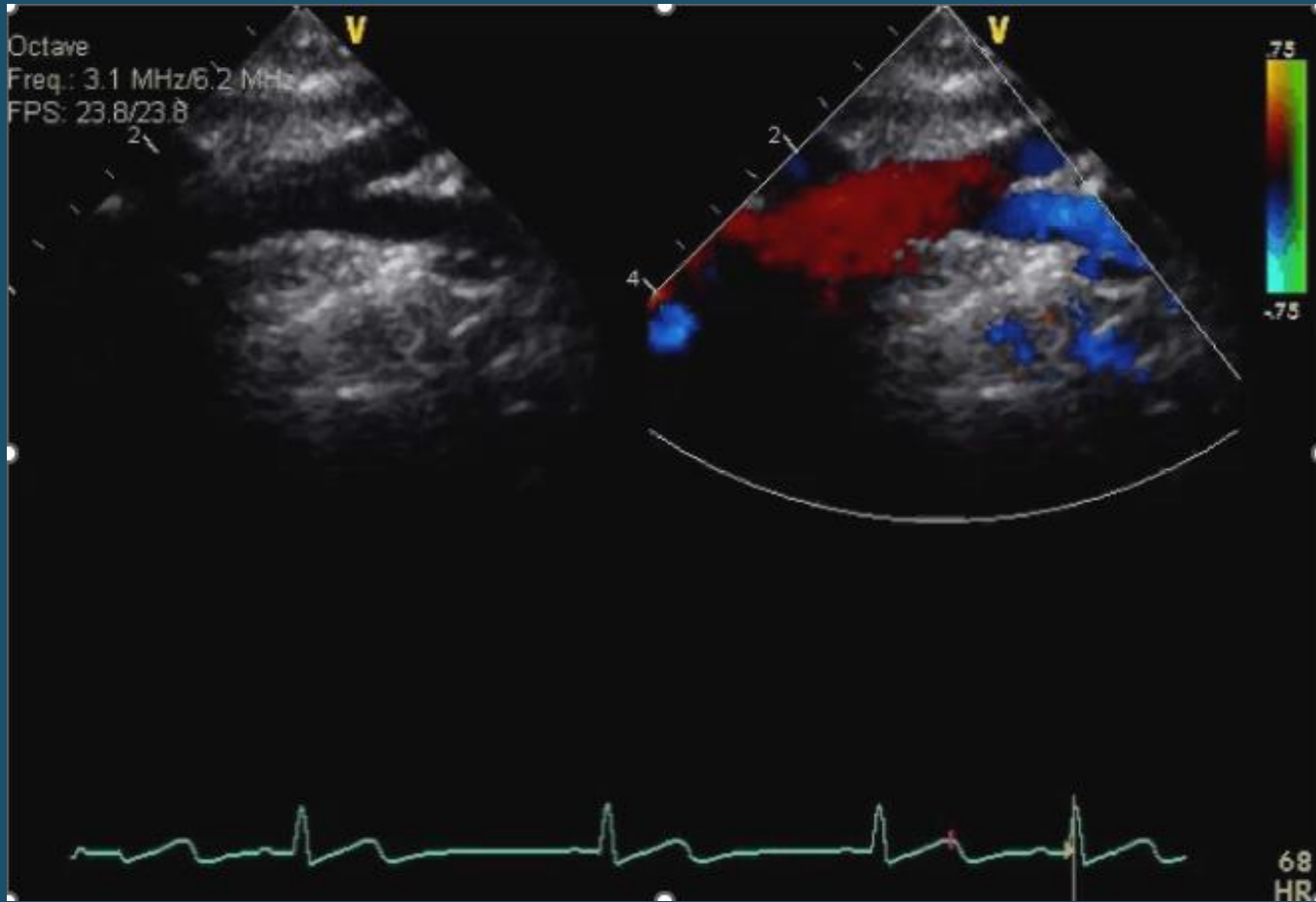
Arch sidedness- Short axis sweep

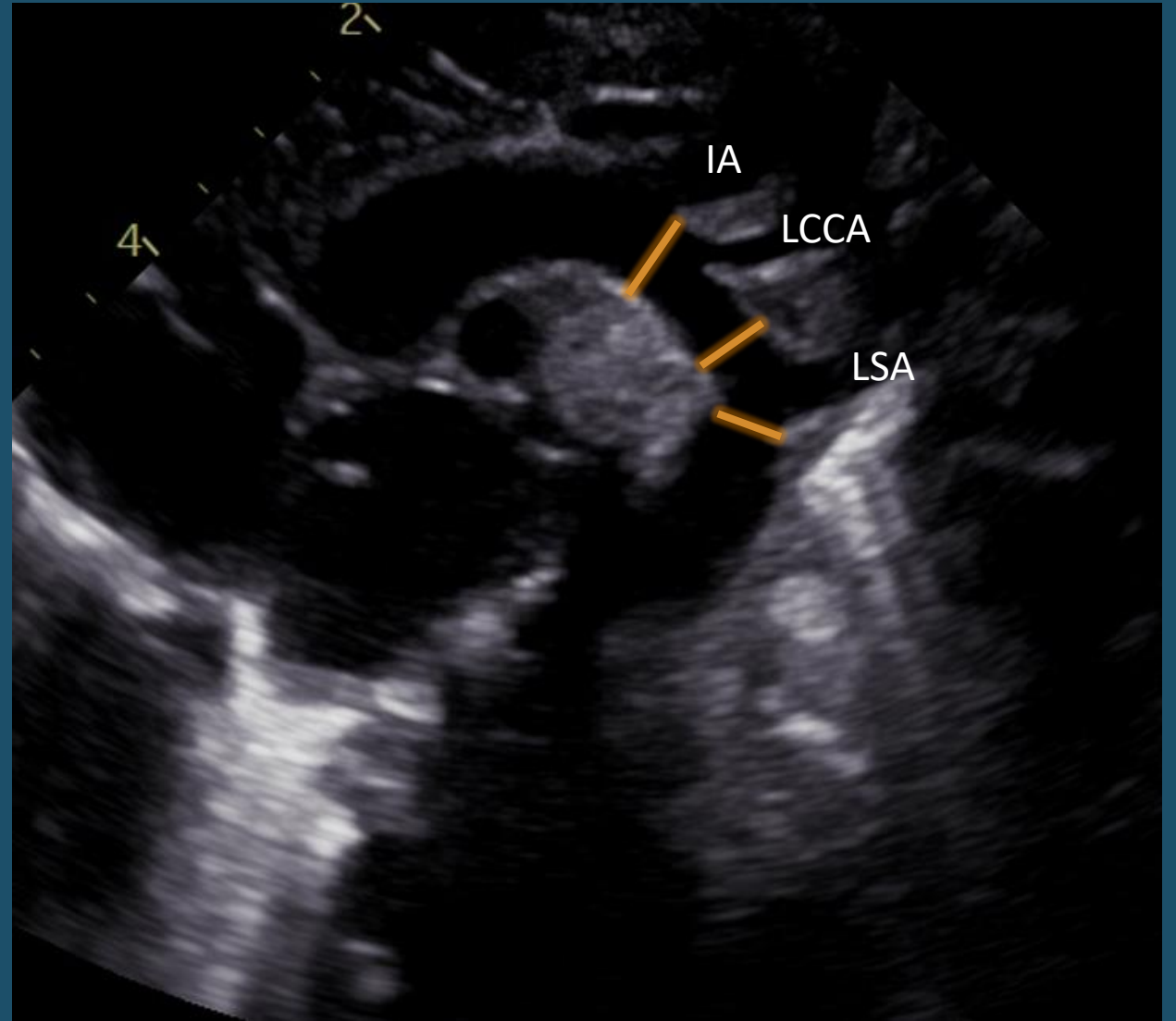
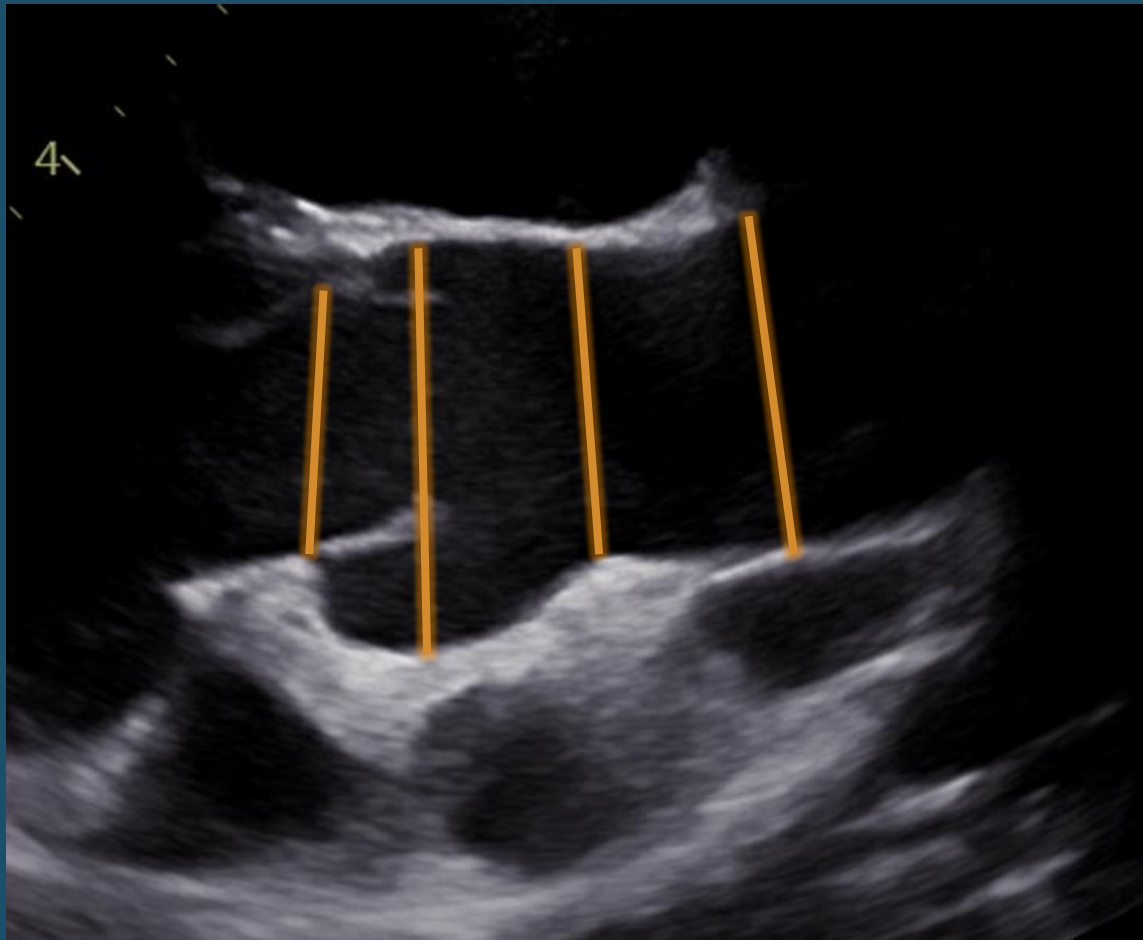


Left Aortic Arch

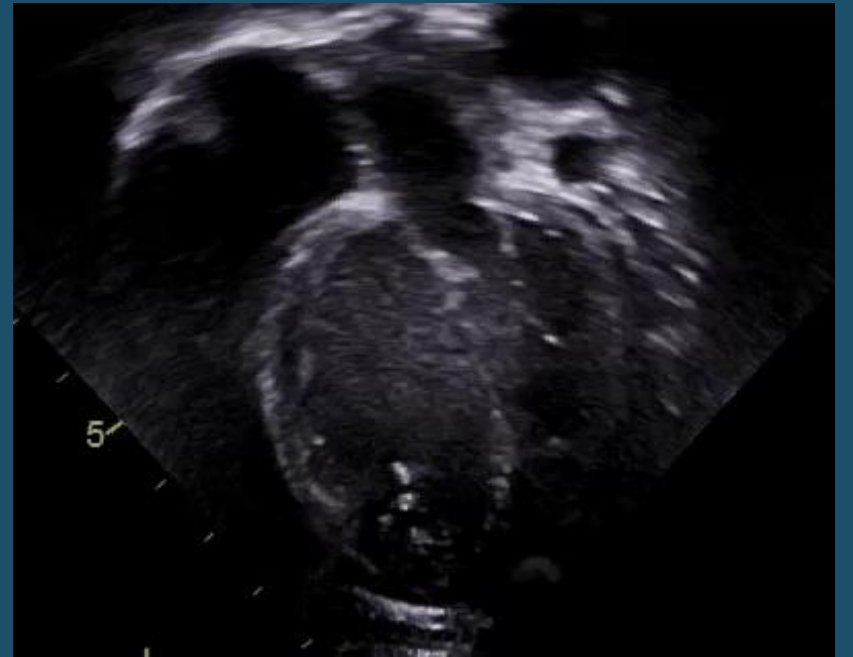


Right Aortic Arch





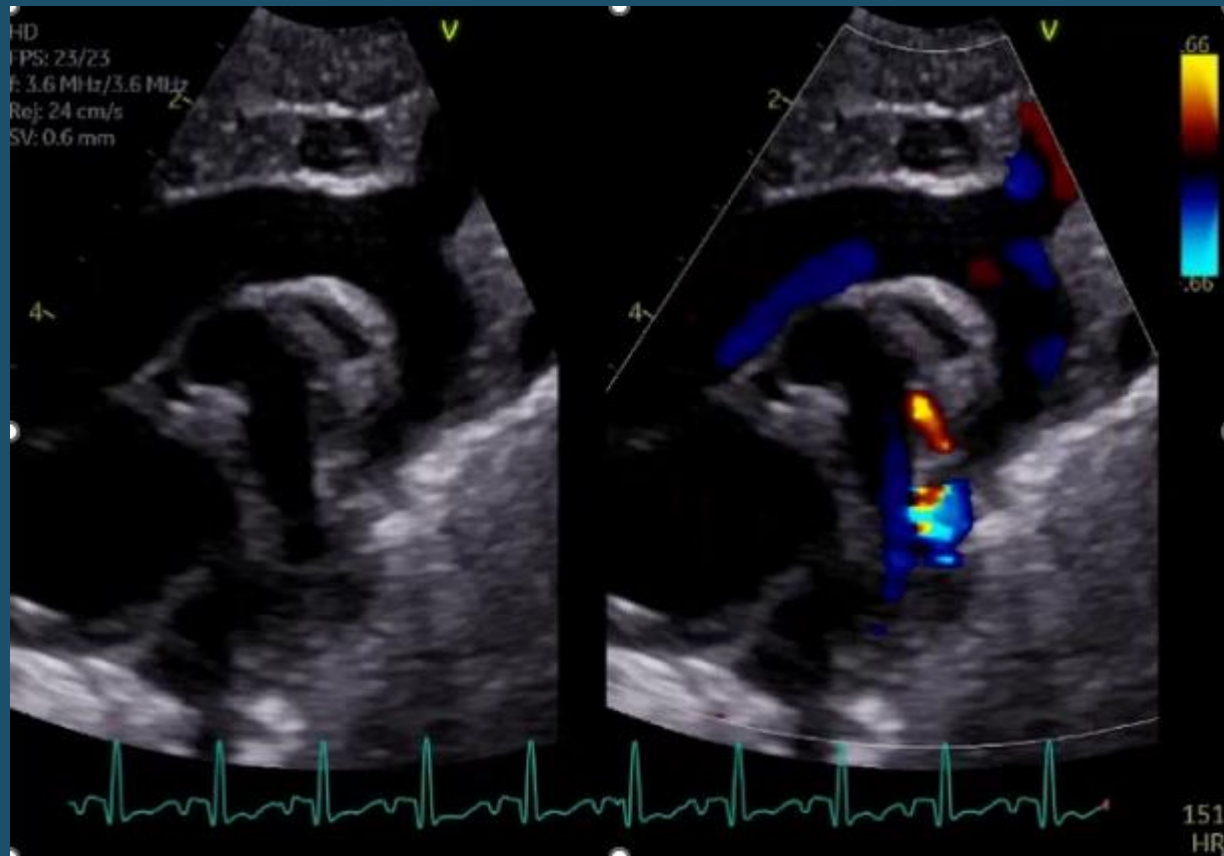
Measure in Systole!



Coarctation



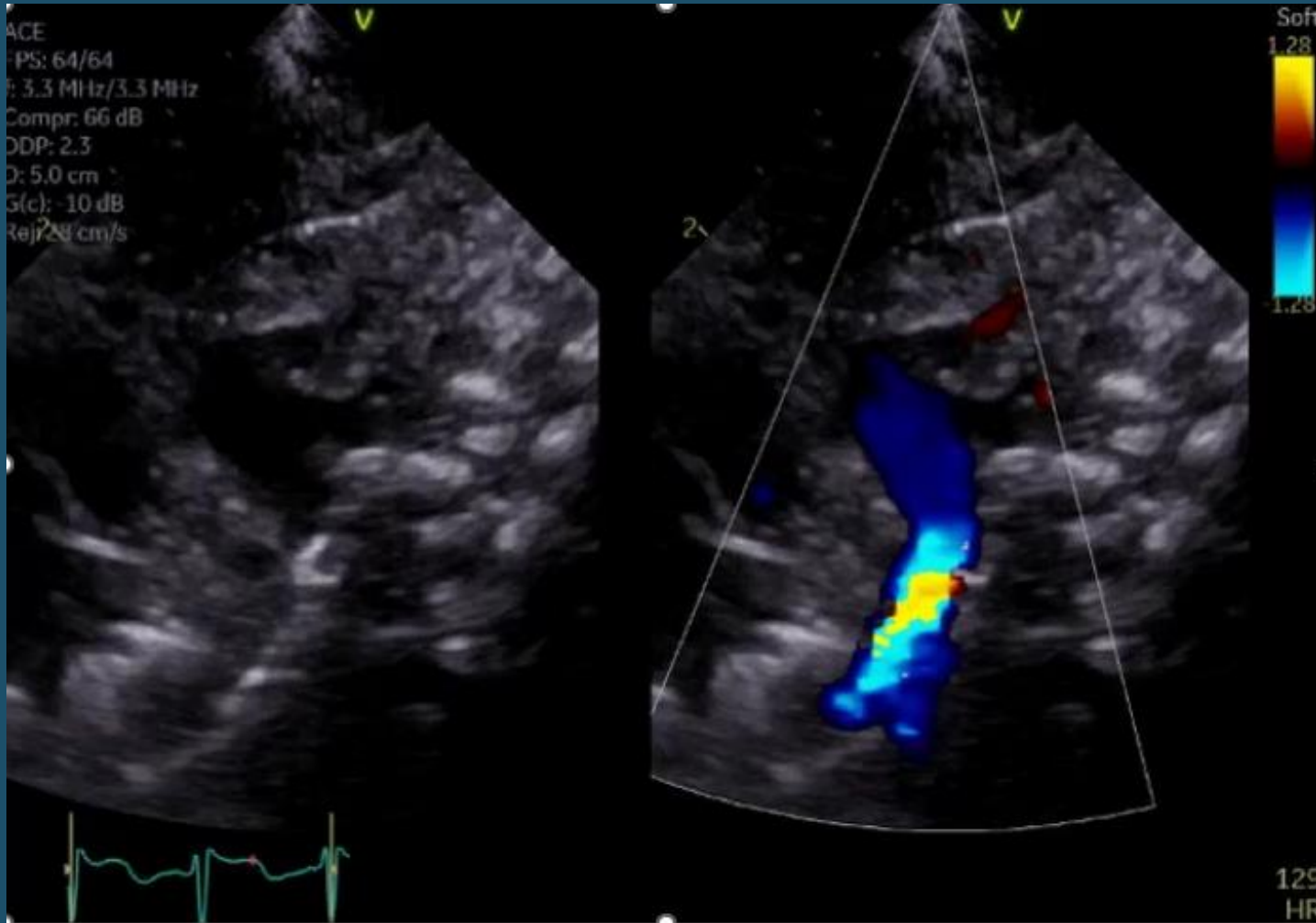
Ductal Sweep



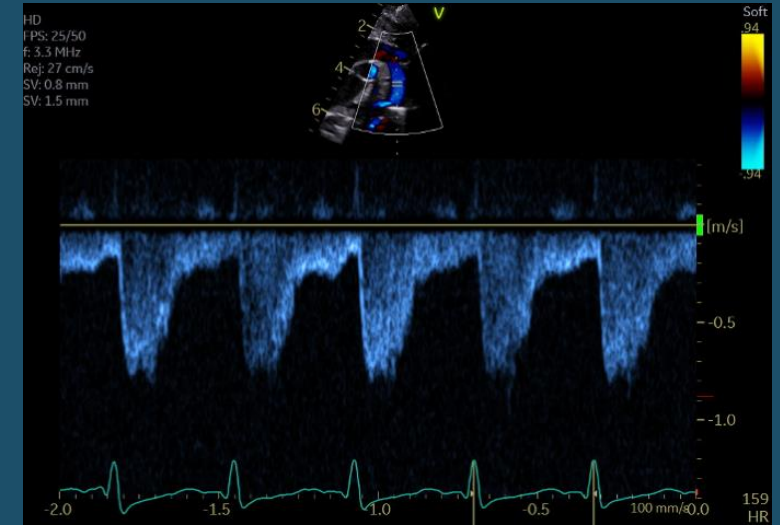
Focus on Isthmus



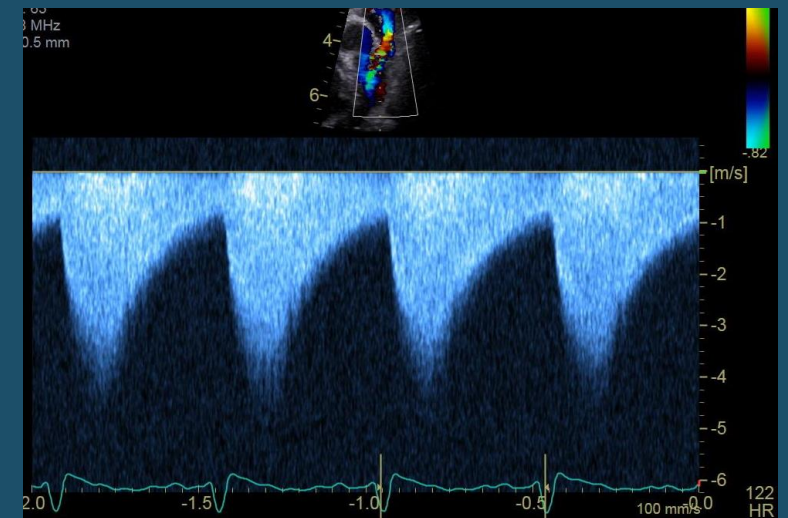
Spectral Doppler

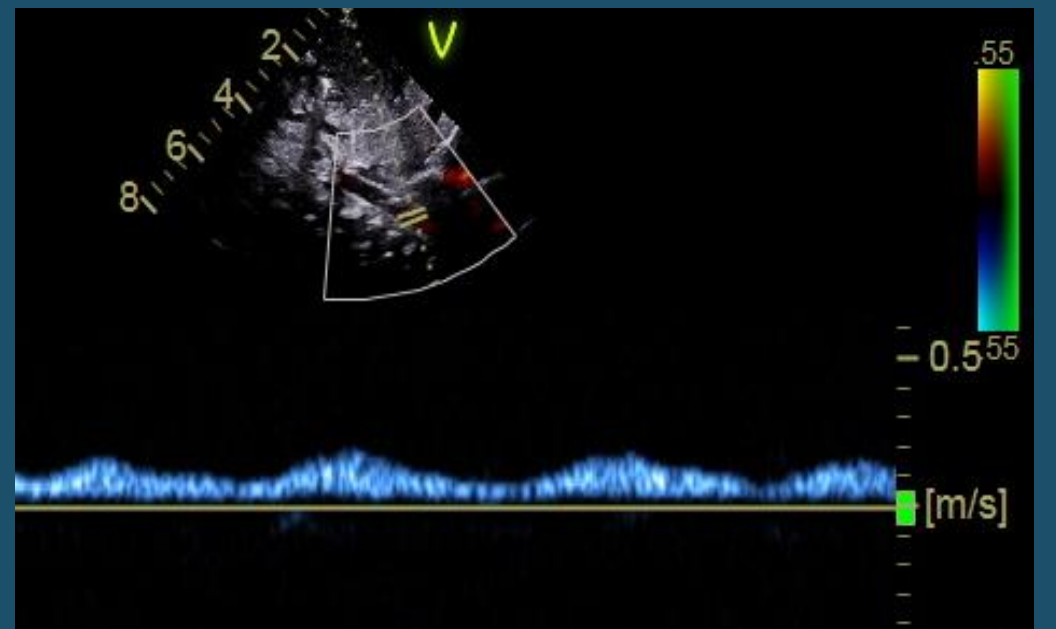
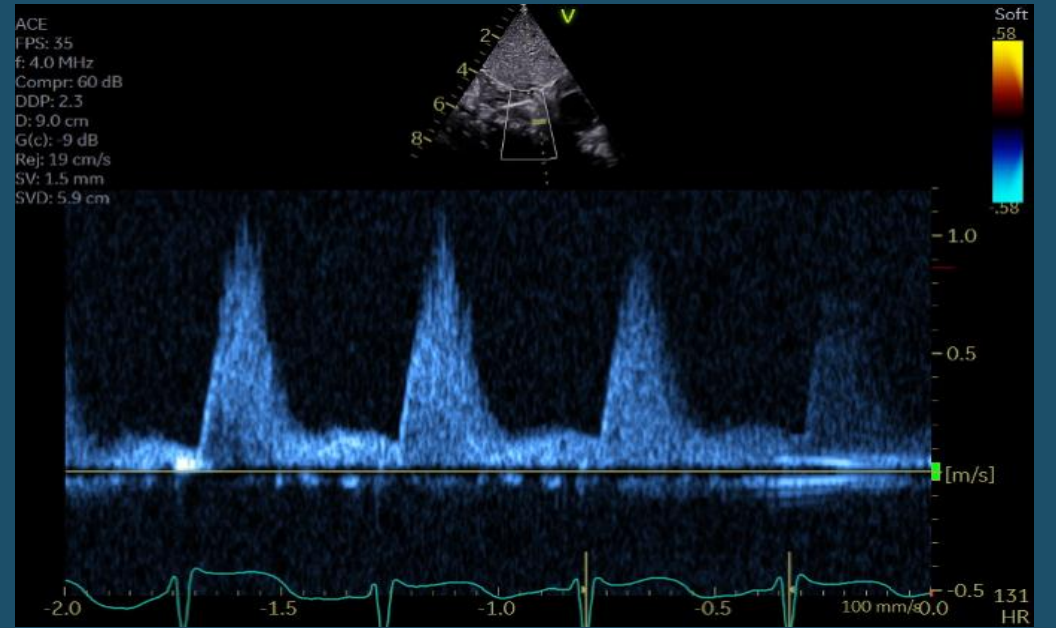
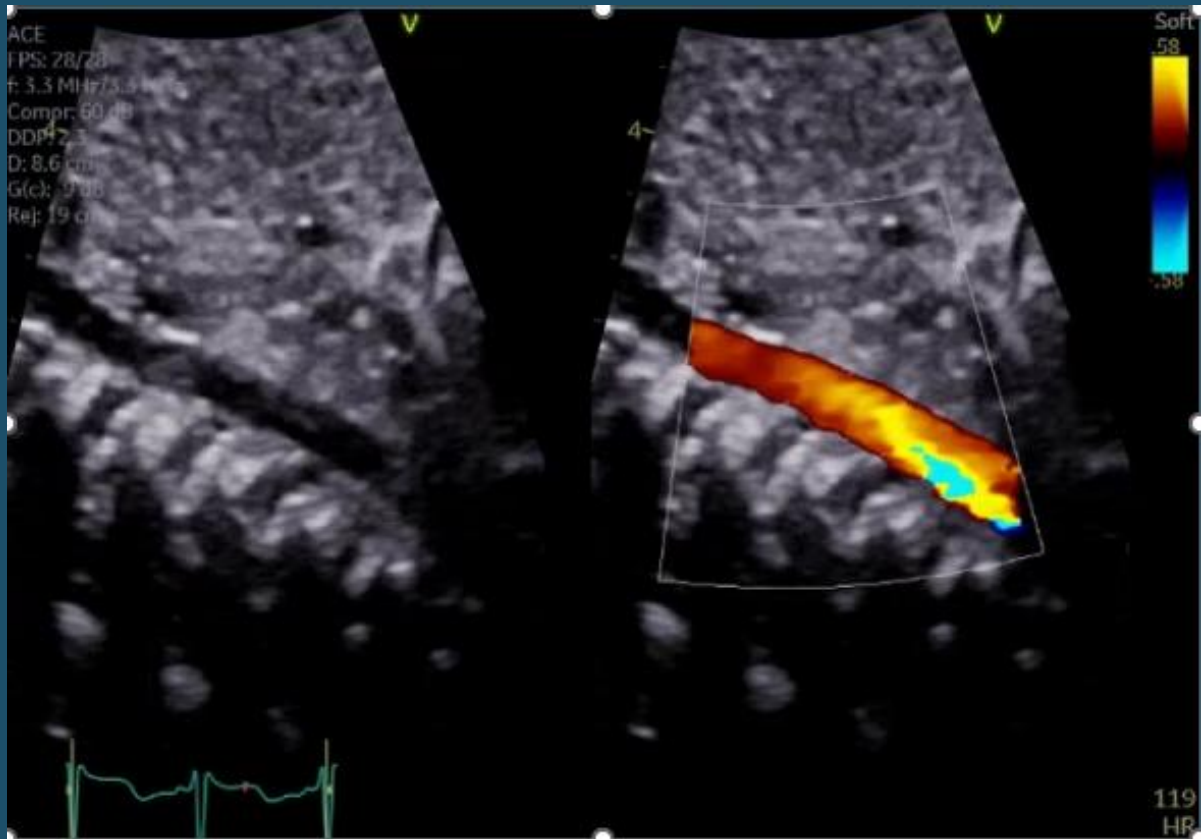


PW pre-coarctation



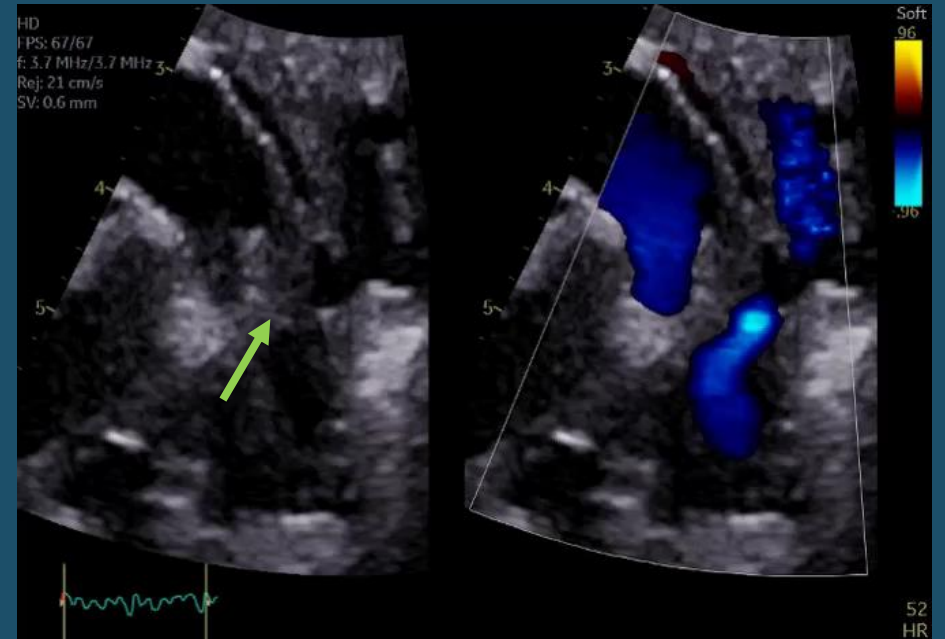
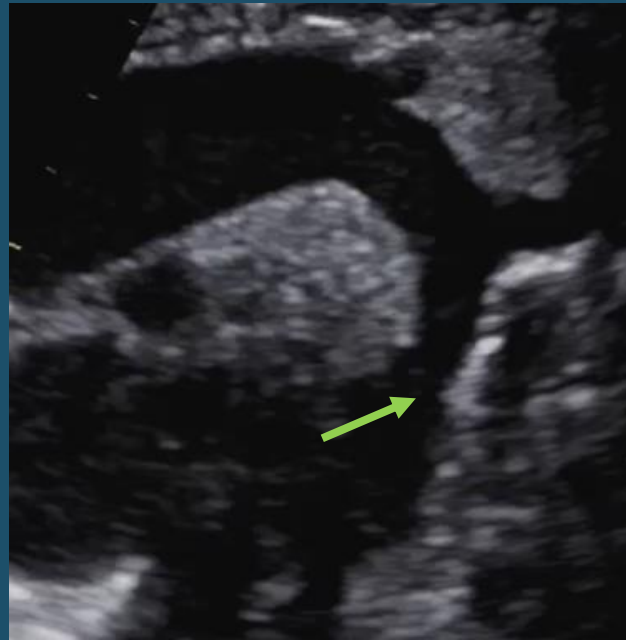
CW coarctation

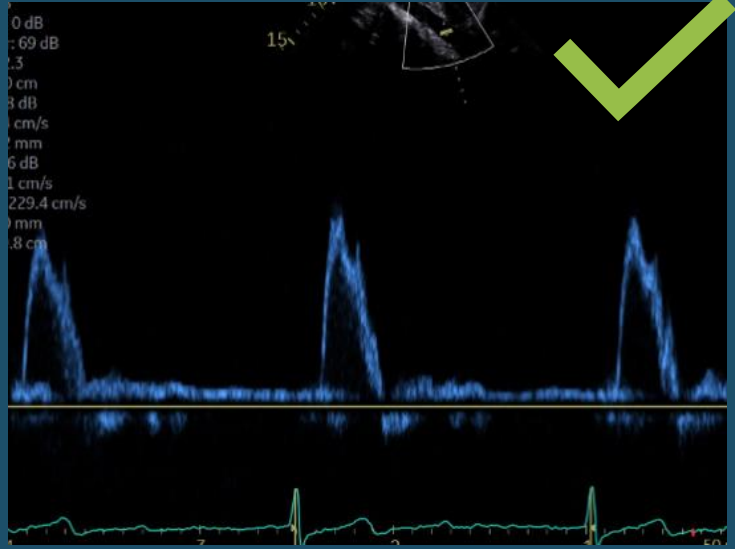
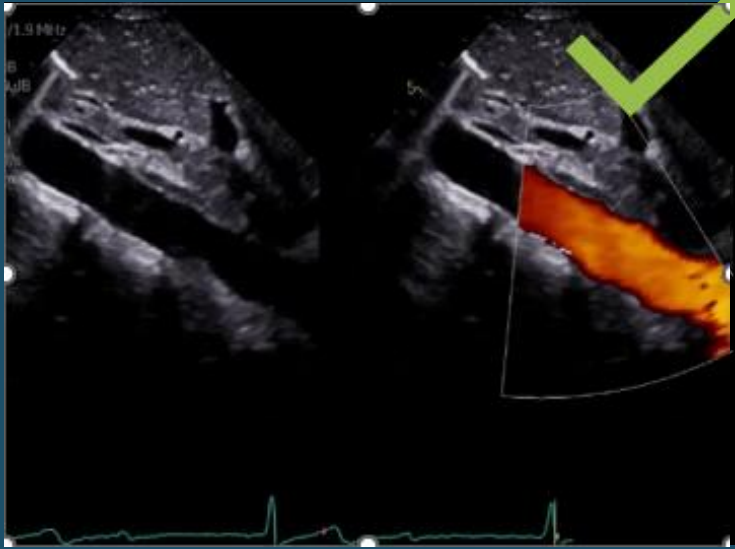
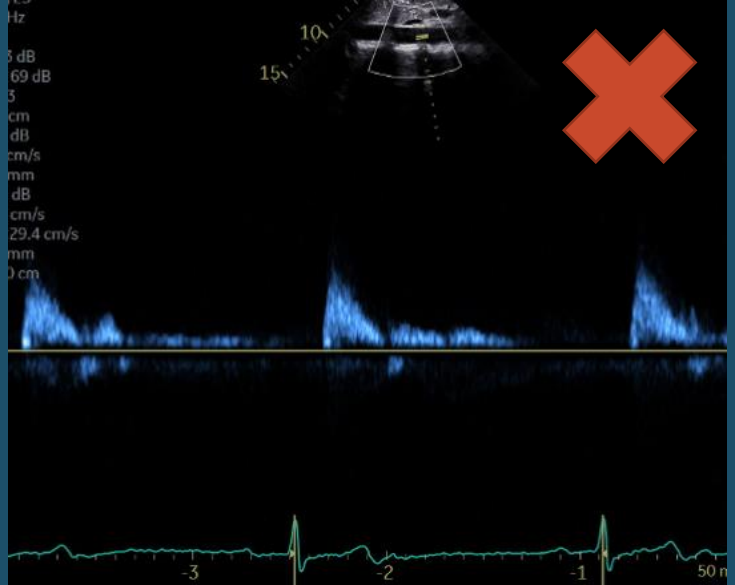




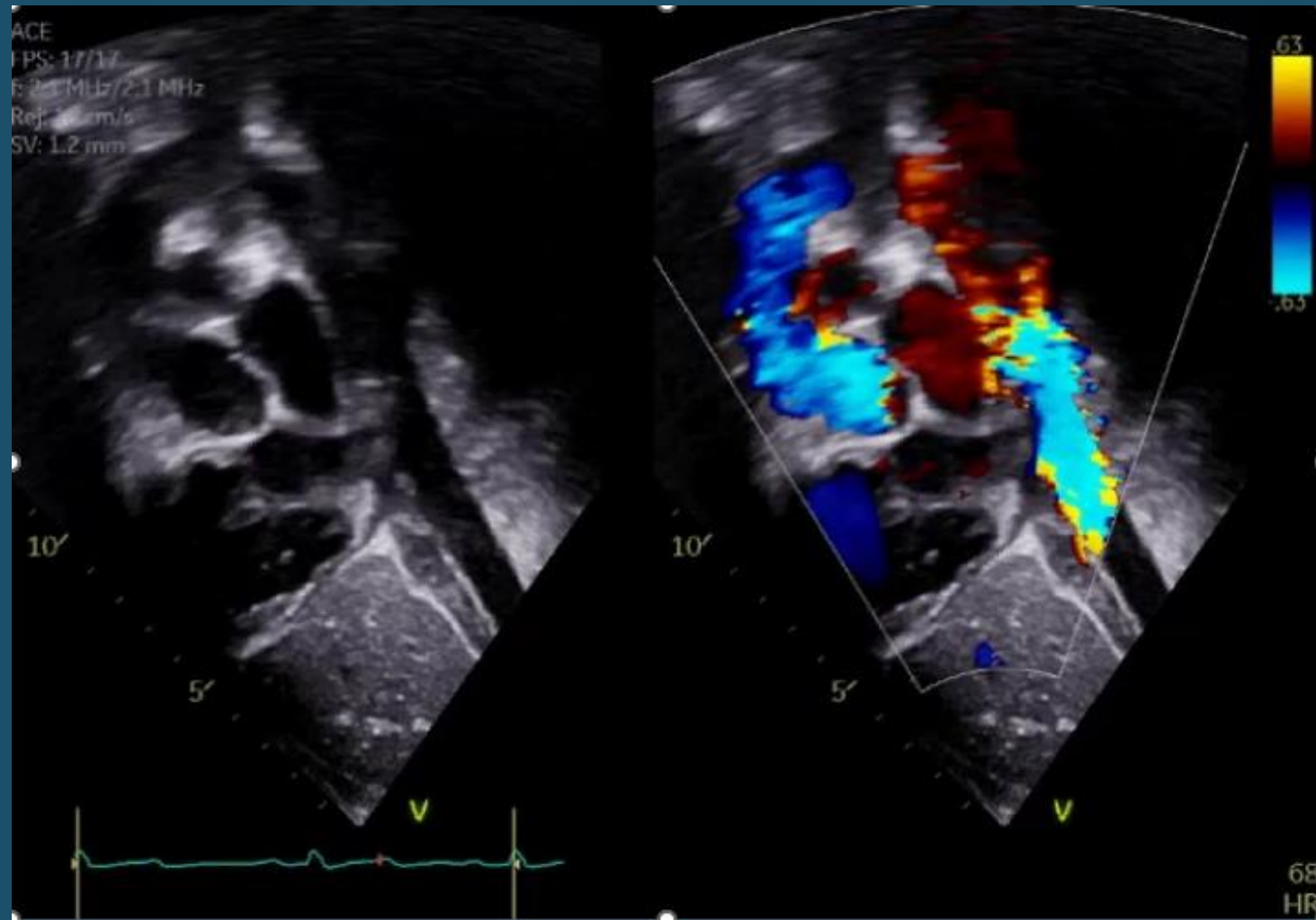
Imaging tips

- Displaced left subclavian artery
- Posterior shelf
- Slide down and intercostal space to see the isthmus region
- Color/Spectral Doppler to interrogate transverse, descending and abdominal aorta





Alternative view



Thank you

