



2022 Hospital Medicine Update
May 11-14

Bedside Ultrasound: Useful Echo Techniques

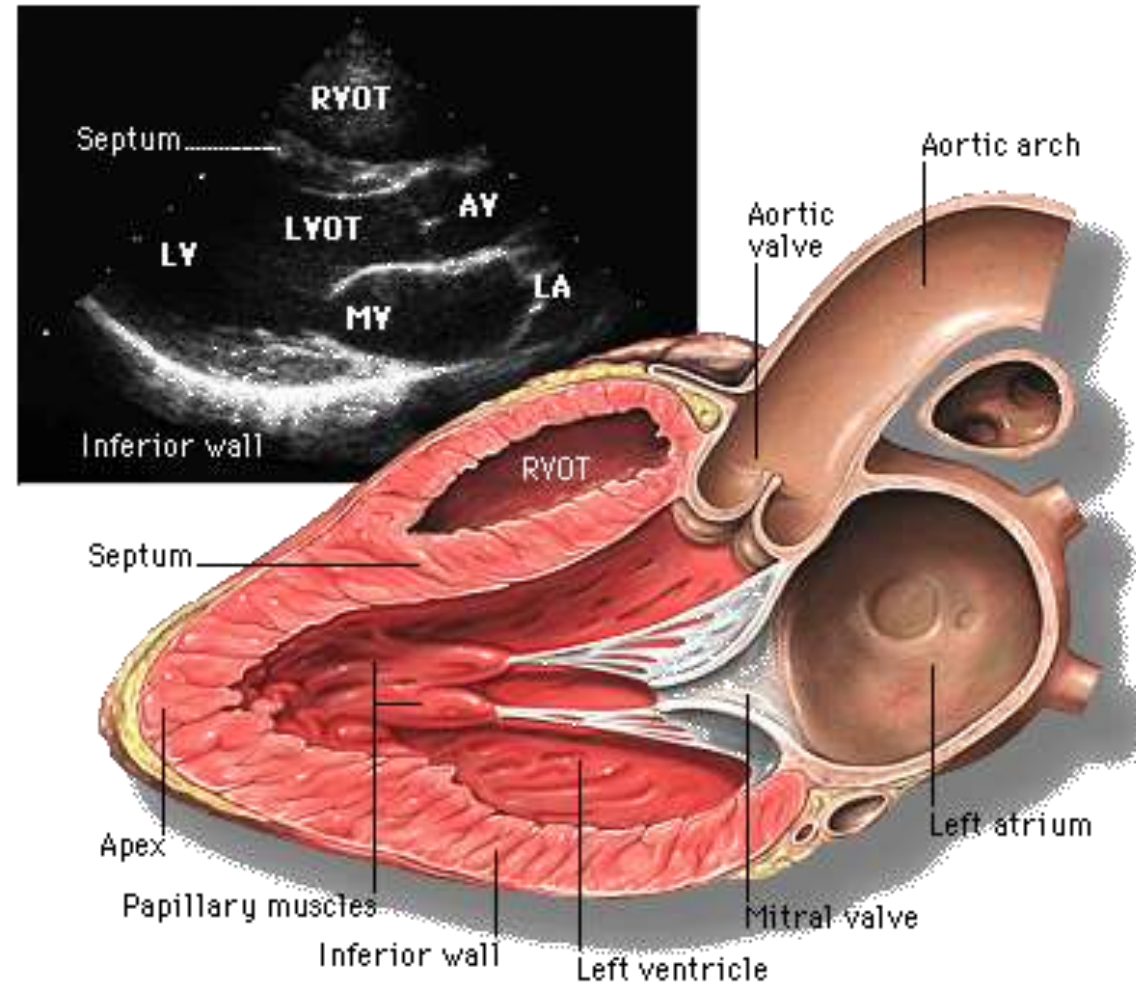
Peter Bonadonna

Disclosures

- I own a LLC that trains all levels of healthcare providers in Point Of Care Ultrasound (POCUS)

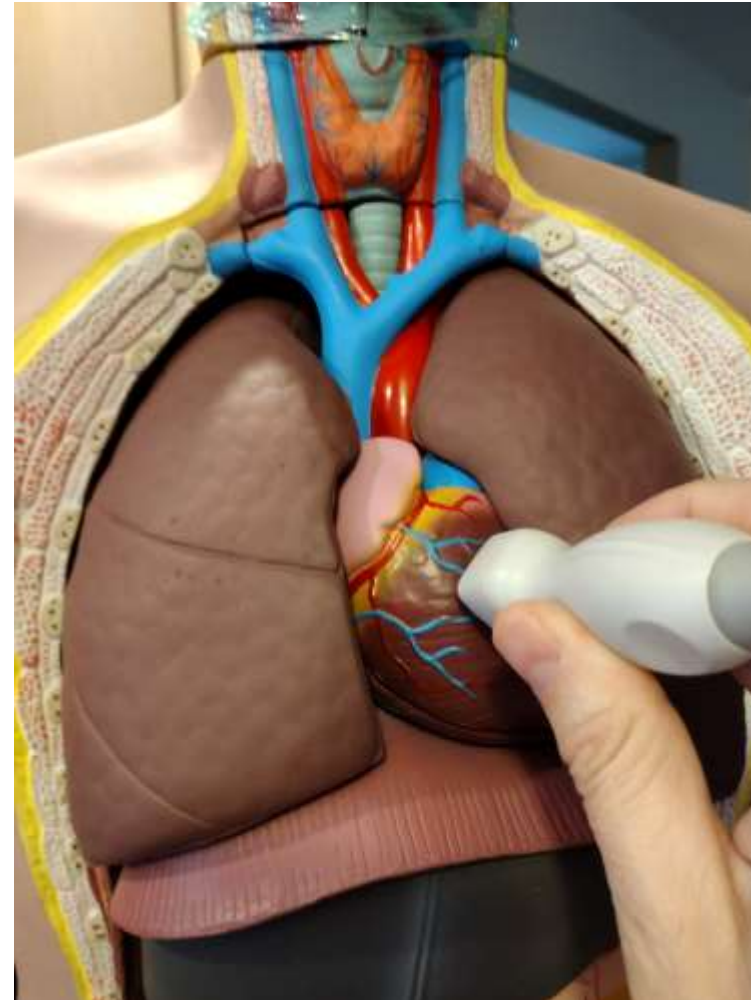


ParaSternal Long Axis View

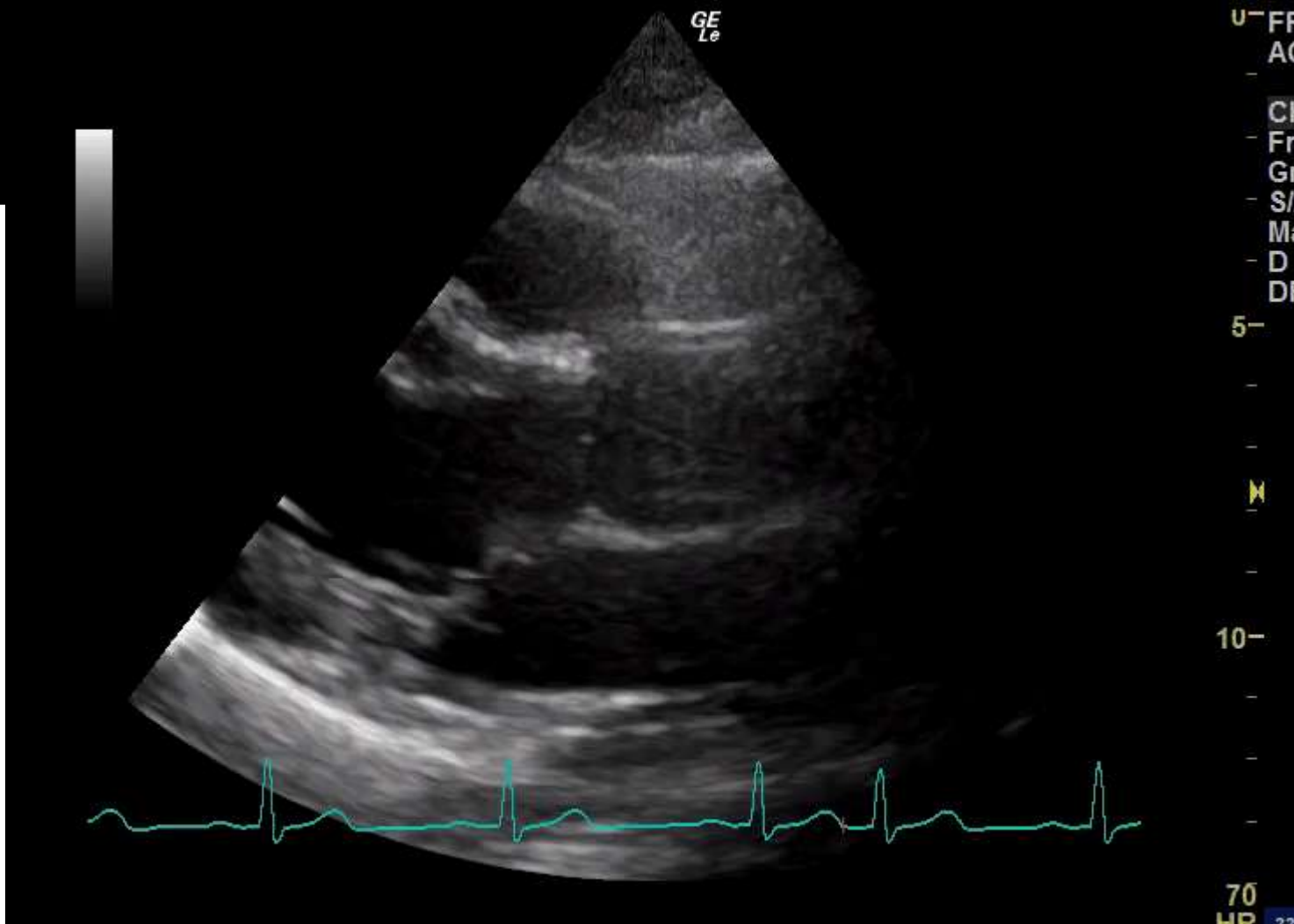


- Good Starting Point for Cardiac Exam
- Useful To Assess EF
- 1/3 1/3 1/3
- Effusion
- Pivot Point For Next Views

PSLA

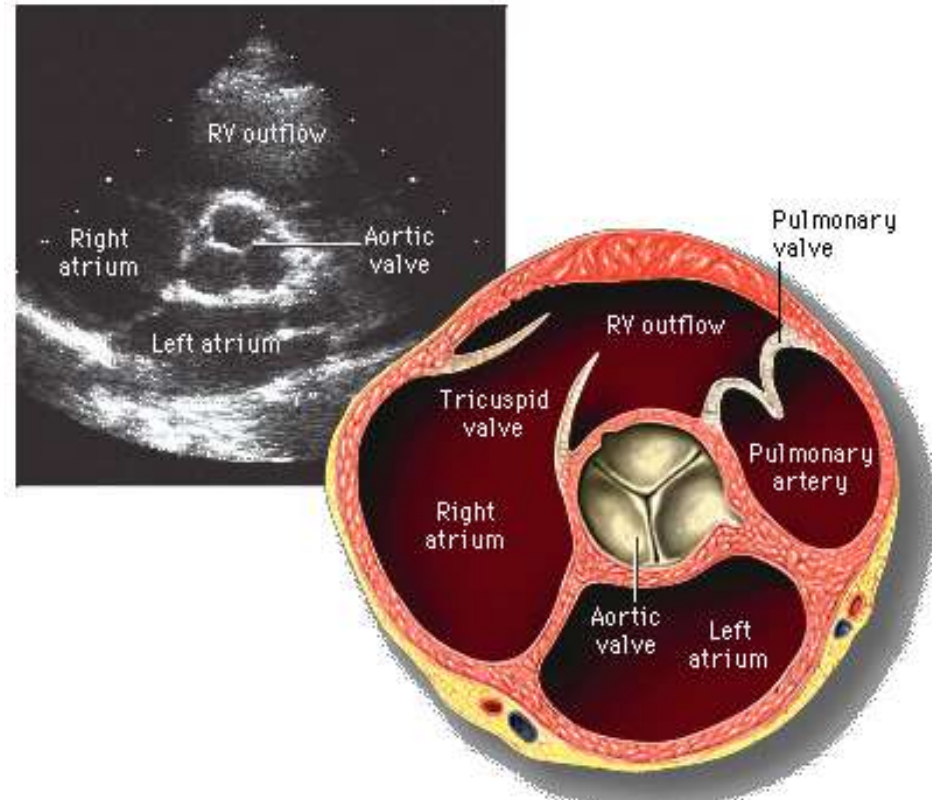
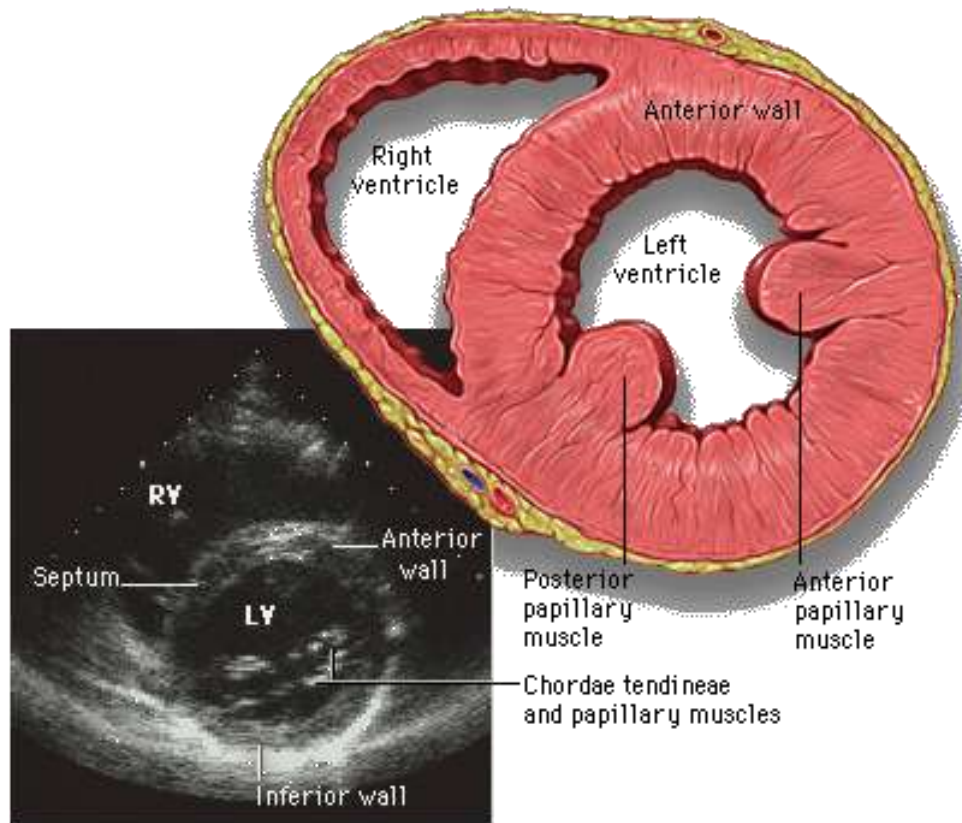


PSLA



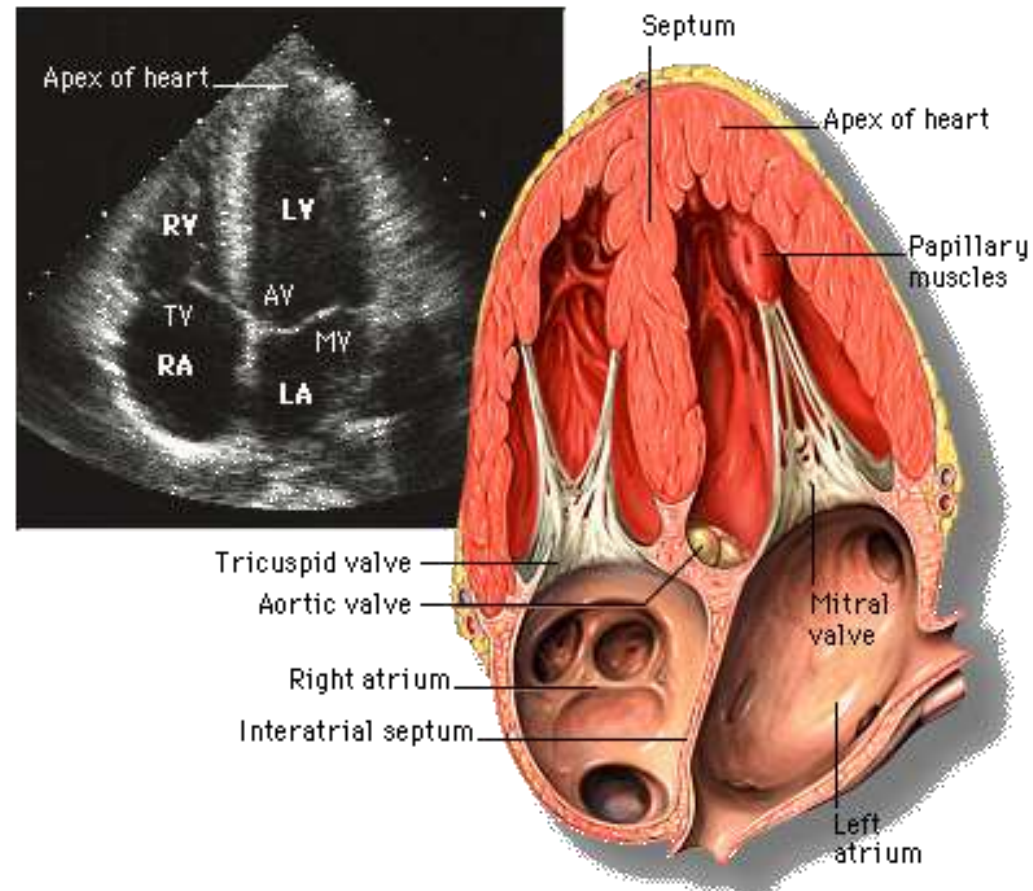


ParaSternal Short Axis View





Apical Four Chamber



- Good For Squeeze Assessment
- Ventricular Size Comparison 0.6/1
- Useful For Valve Assessment With Color Doppler
- Permits More Advanced Assessments

- Angle vs. Skin



- When Difficult to find, use “Fall Off the Shelf” technique

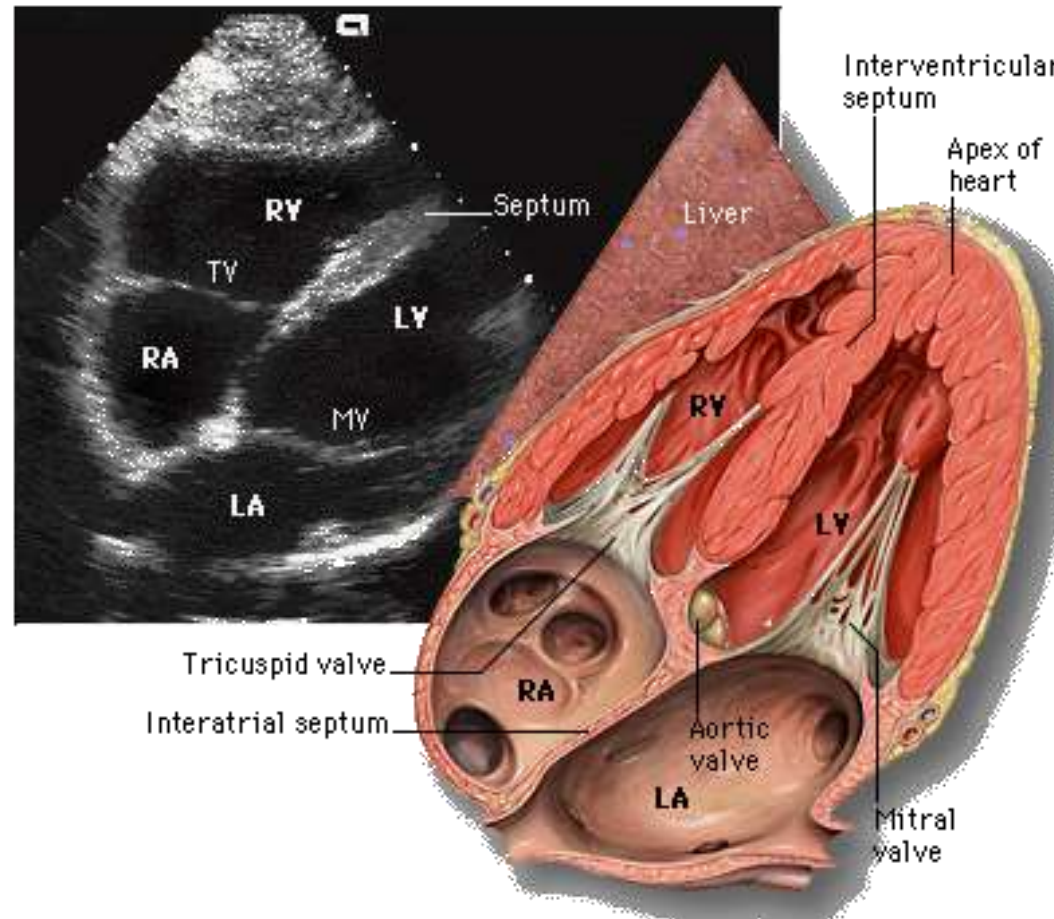


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SubXiphoid View



SX

- Best View For Effusions
- May Be The Only Window In COPD
- Can View All Four Chambers
- Best View for ASD With Color Doppler
- Best Window In Cardiac Arrest
- Trouble? More Depth & Deep Breath



Case Presentation

Case Presentation



- 50 YO M with history of Hypertension and HFpEF treated with diuretics and B blocker Echo: EF=55%, LVH, E/e'=16
- Visit Today Home Care and assessment
- Pt more SOB and fatigue than usual. Hx of gradual onset
- VS- P:80 reg. BP:108/68 R:14 SpO₂: 98% T:98.1 LS:clear, no edema

DDX ?

- Fluid Over load
- AMI
- Pulmonary Edema
- Anemia
- Pulmonary Embolus
- Pneumonia/Infection
- Deconditioning

Case Presentation

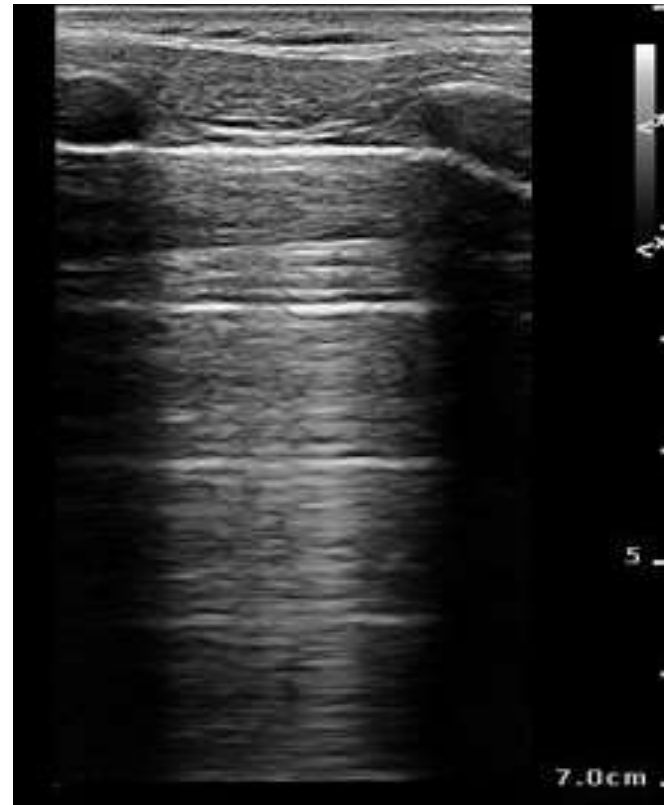
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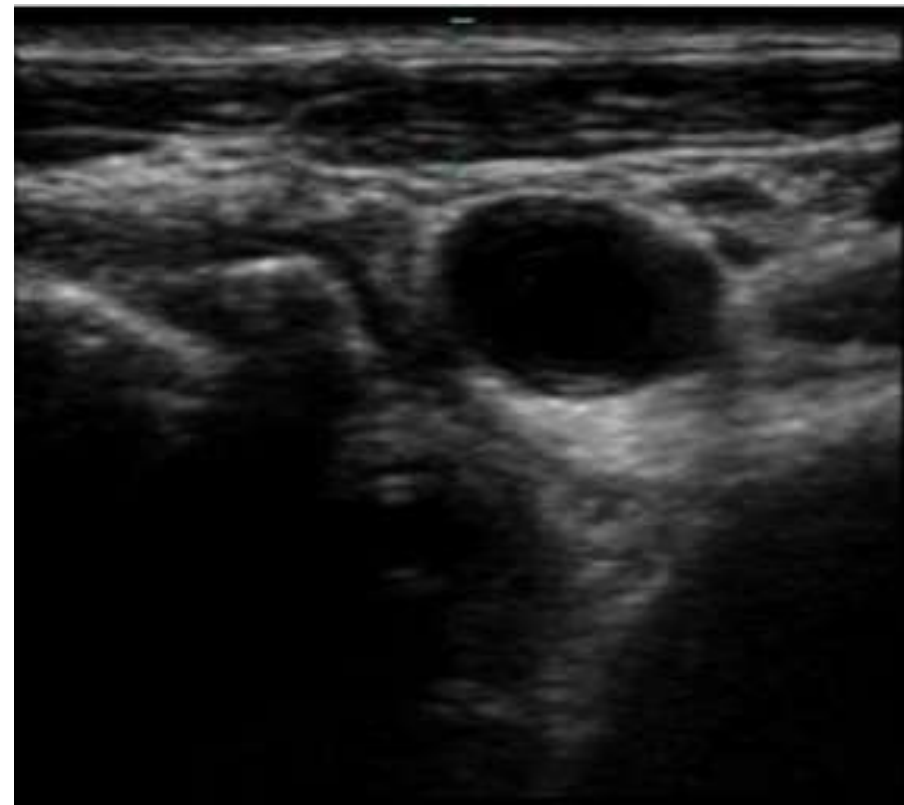
Case Presentation



Posterior Lung base



Anterior Neck



Case Presentation Conclusion



ATTR-CM
VYNDAMAX[®]
(tafamidis)

Cardiac POCUS Played an important role
in the assessment and care of this patient.

Questions?

Thank You for all that you do!