

Cases: Adult Congenital Heart Disease

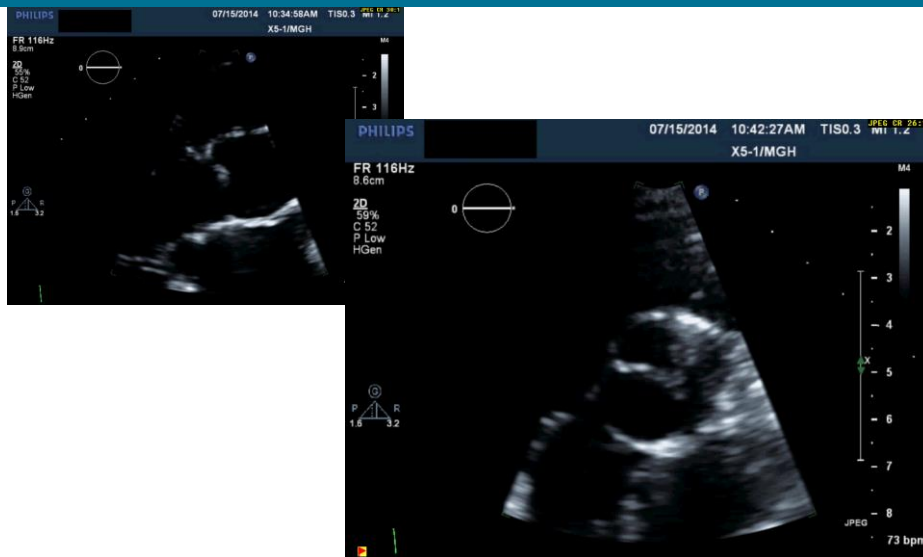
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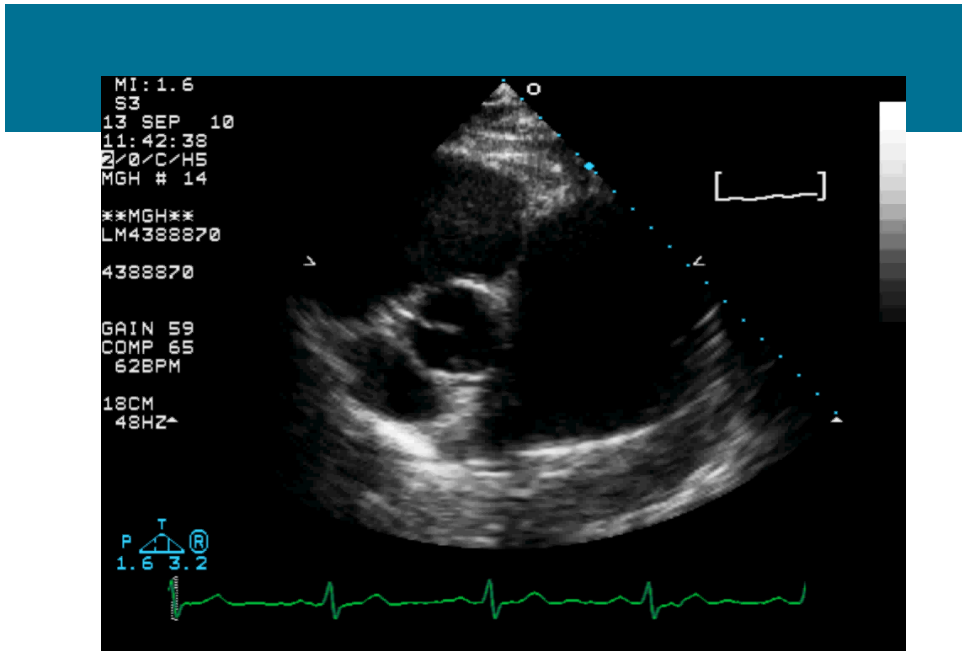
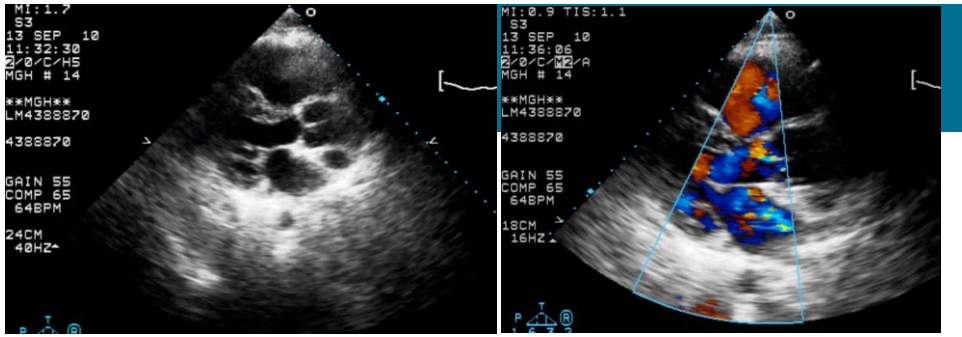
The following is a true statement:

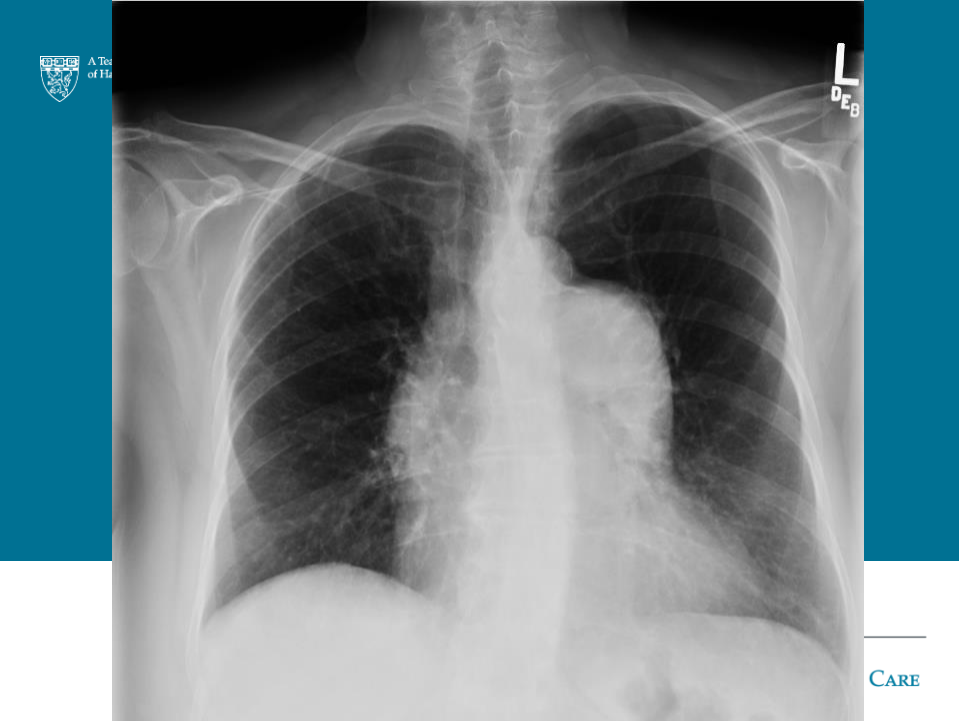
- A. The open commissure in a unicuspid valve is most often between the right and left cusps
- B. The open commissure in a unicuspid valve is always between the left and non cusps
- C. AVA planimetry can be accurate with unicuspid valves

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Case: LM, angina evaluation

- 62F history of hypertension, prior breast cancer
- Murmur all her life
- Generally very well, daily exercise, lives in FL but visiting in Boston
 - Chest heaviness with inclines
- Recent 6 months: exertional chest heaviness, relieved with rest
- No dyspnea or cough, no dysphagia

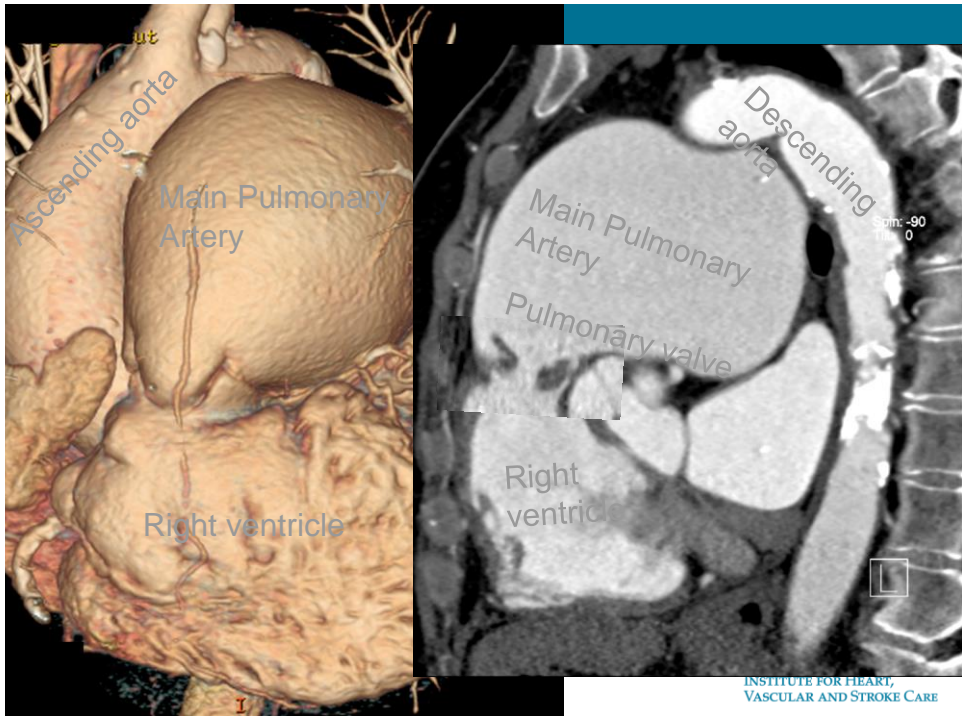
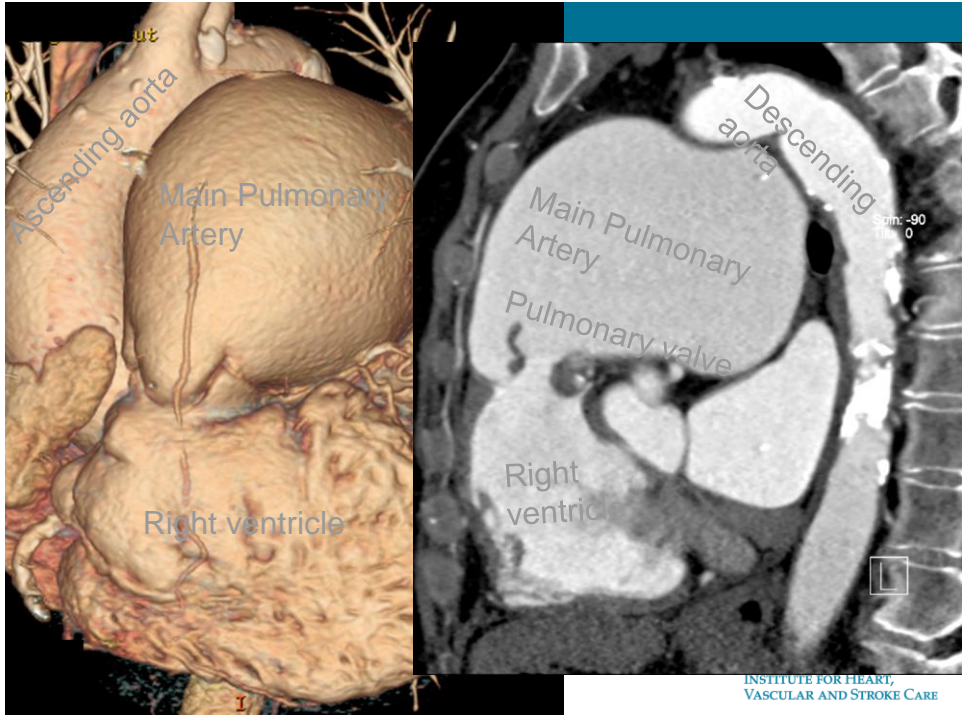


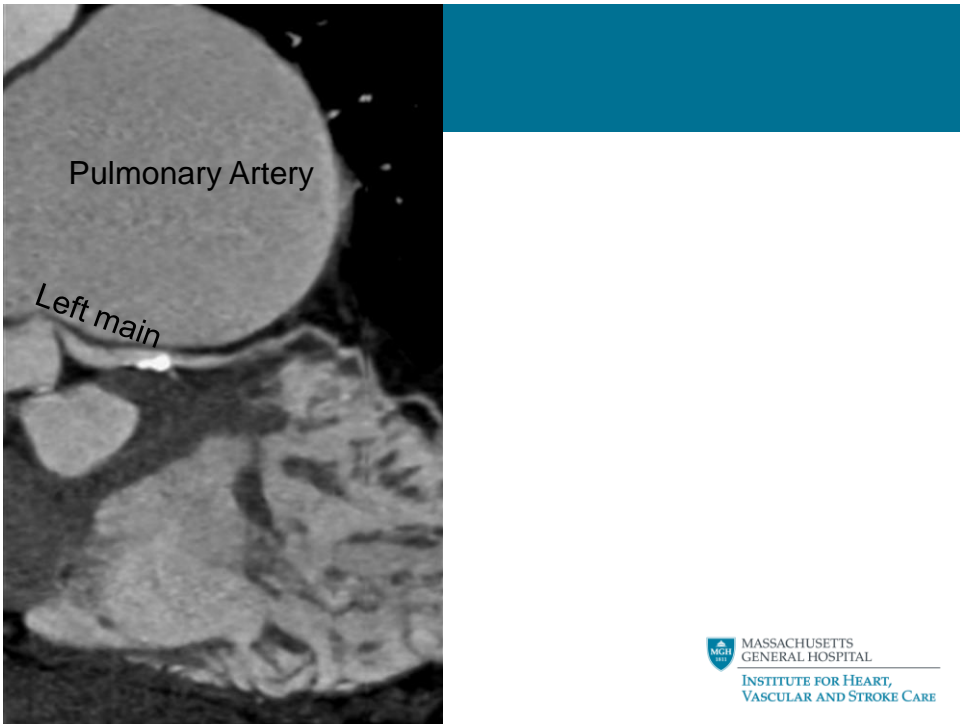
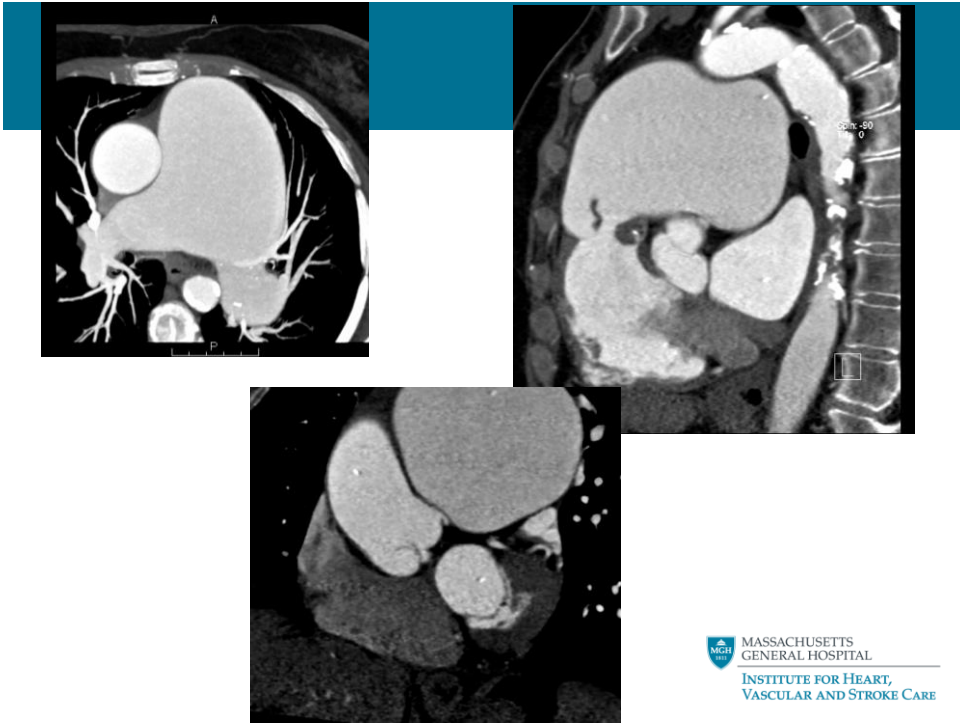


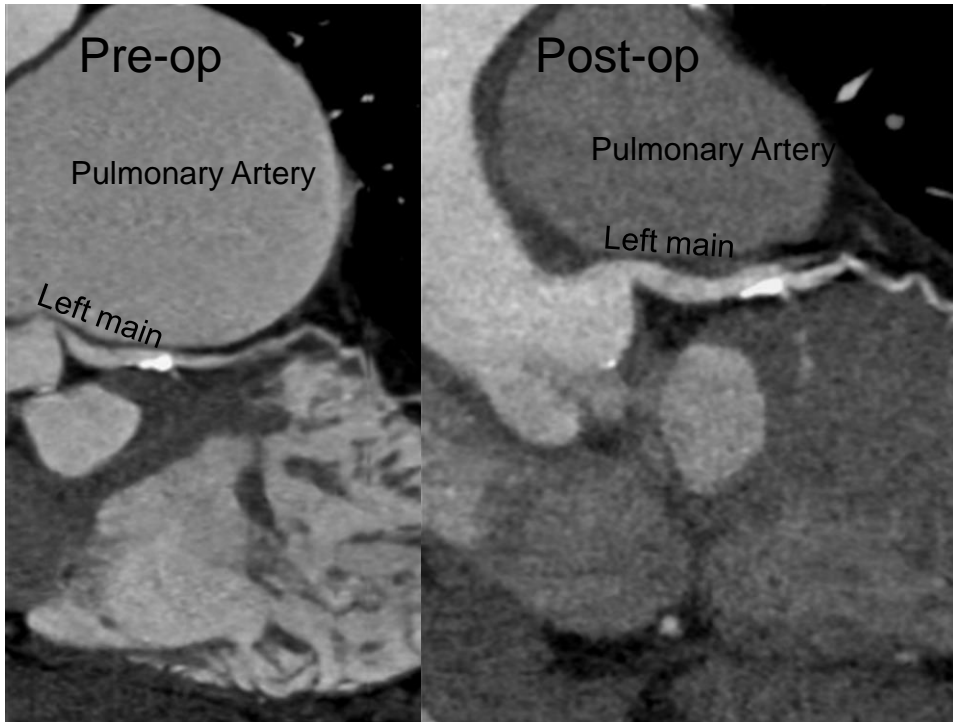
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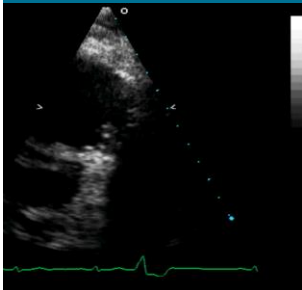
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Pulmonic Stenosis:



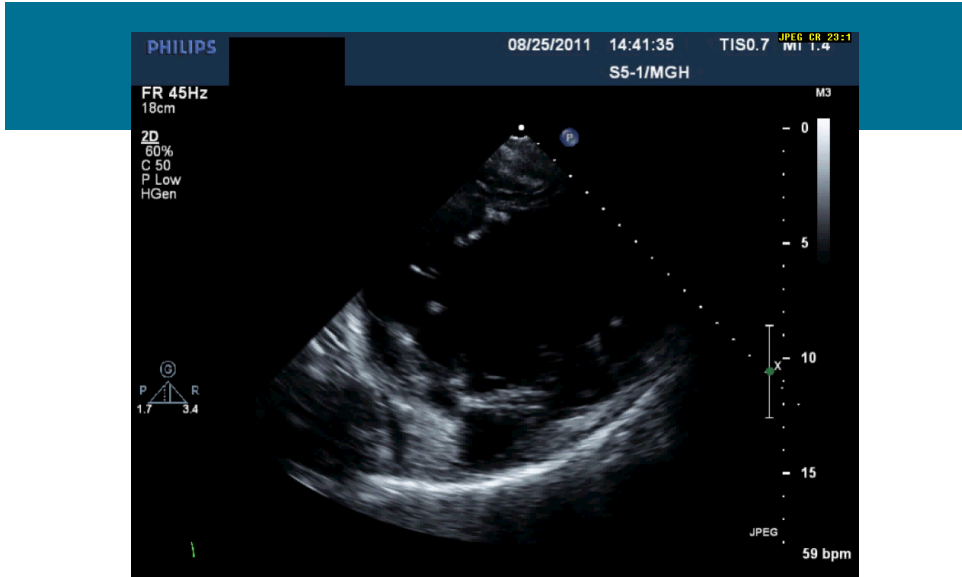
- Where is the obstruction?
 - Supravalvular (branch)
 - Subvalvular
 - Valvular → associated with pulm arteriopathy and PA aneurysms
- RVSP **does not** equal PASP
- Intervention if valvular PS:
 - Peak gradient > 60mmHg
 - Peak > 50mmHg if symptoms
 - Absence of significant PR

Case: 50F with dyspnea

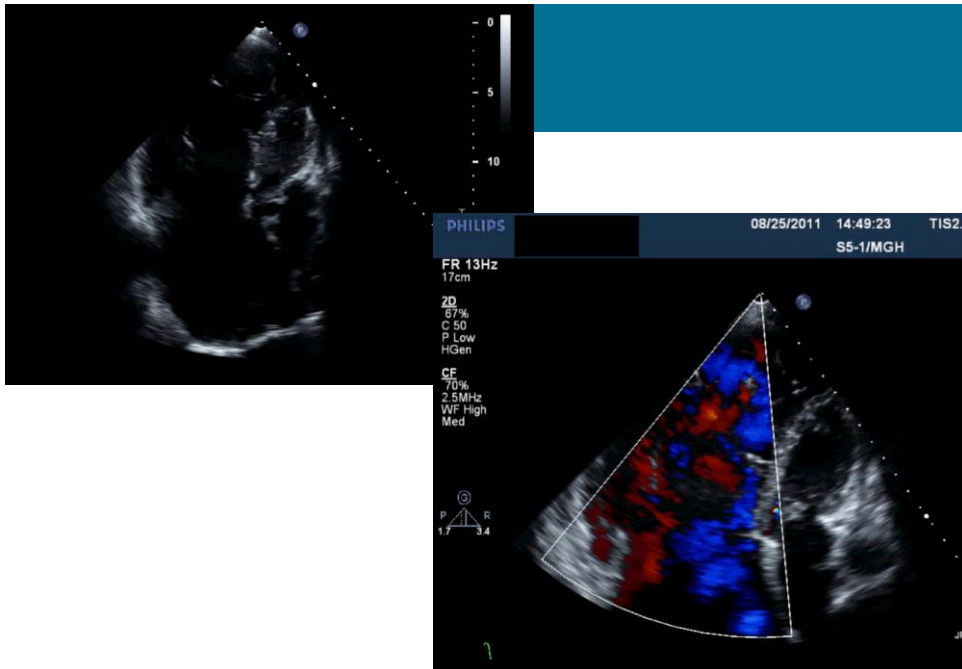
- Progressive fatigue and dyspnea at work
- Difficulty lifting
- Co-workers noted her chest would heave

50F with dyspnea





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Diagnosis?

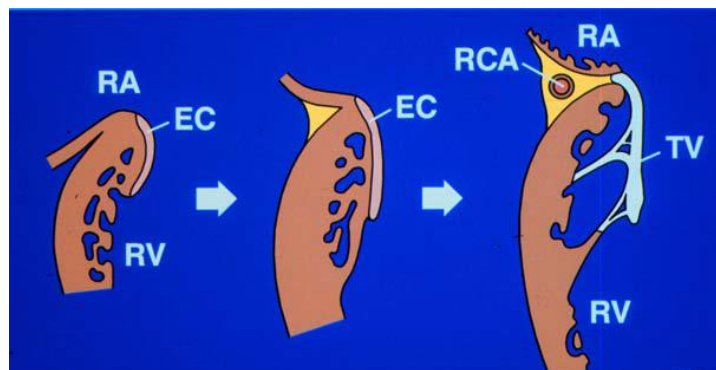
- A. Giant RA syndrome
- B. Ebsteins anomaly
- C. Dysplastic tricuspid valve syndrome



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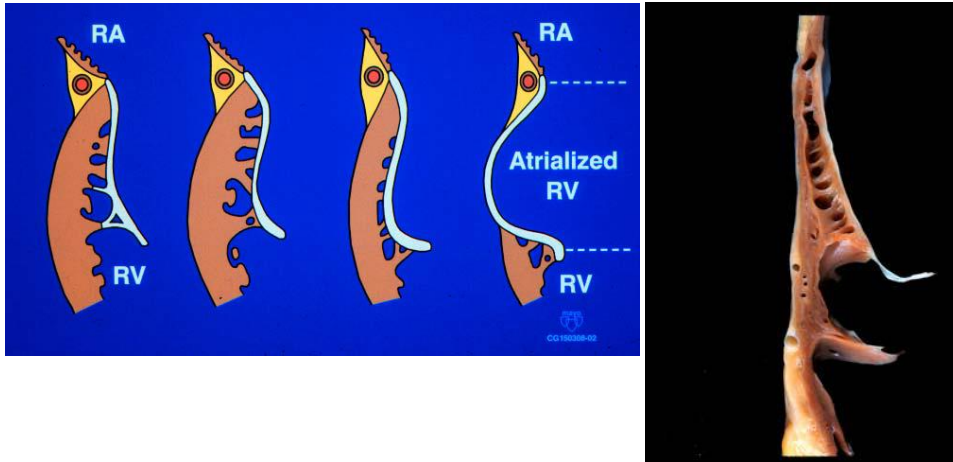
Normal delimitation (separation) of the RV
from the RV myocardium



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Failed TV delamination: Ebstein Anomaly

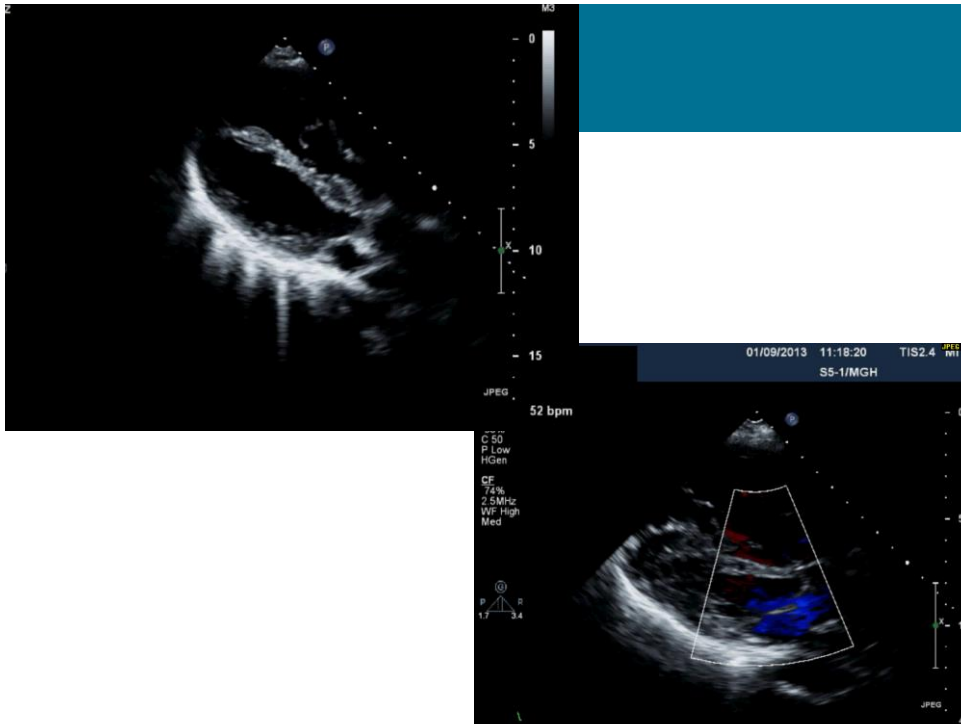


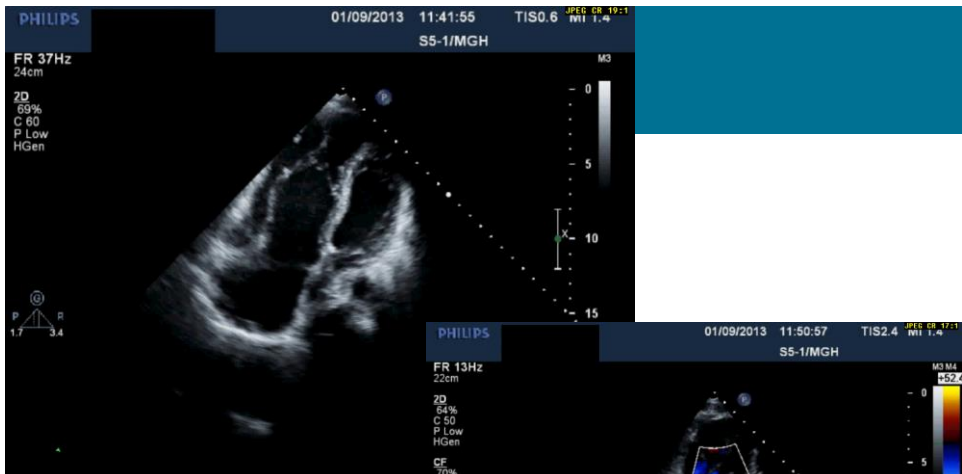
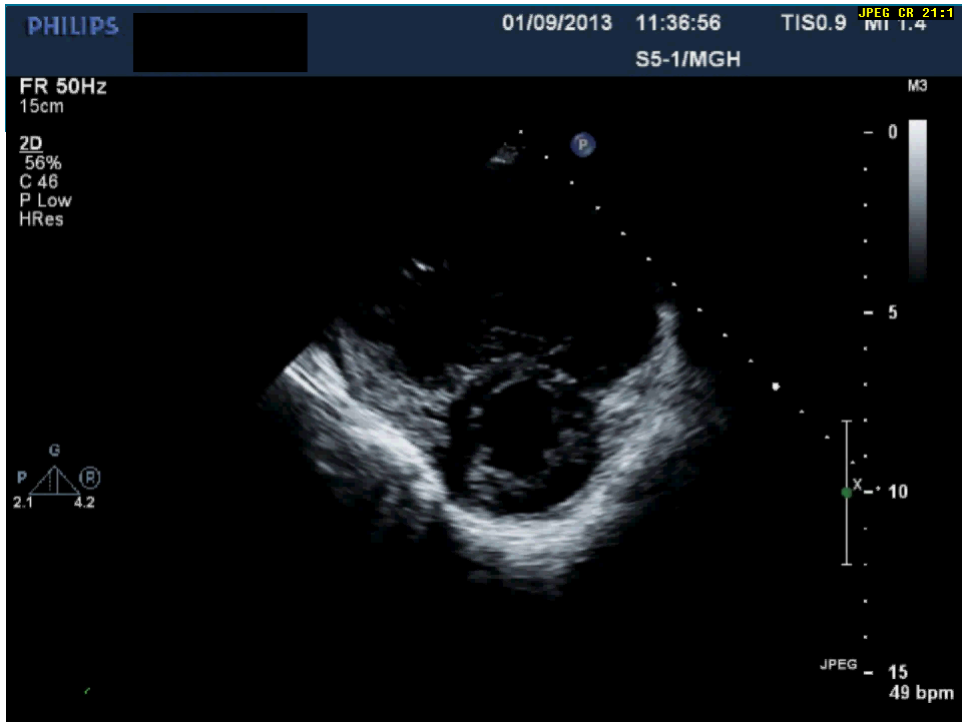
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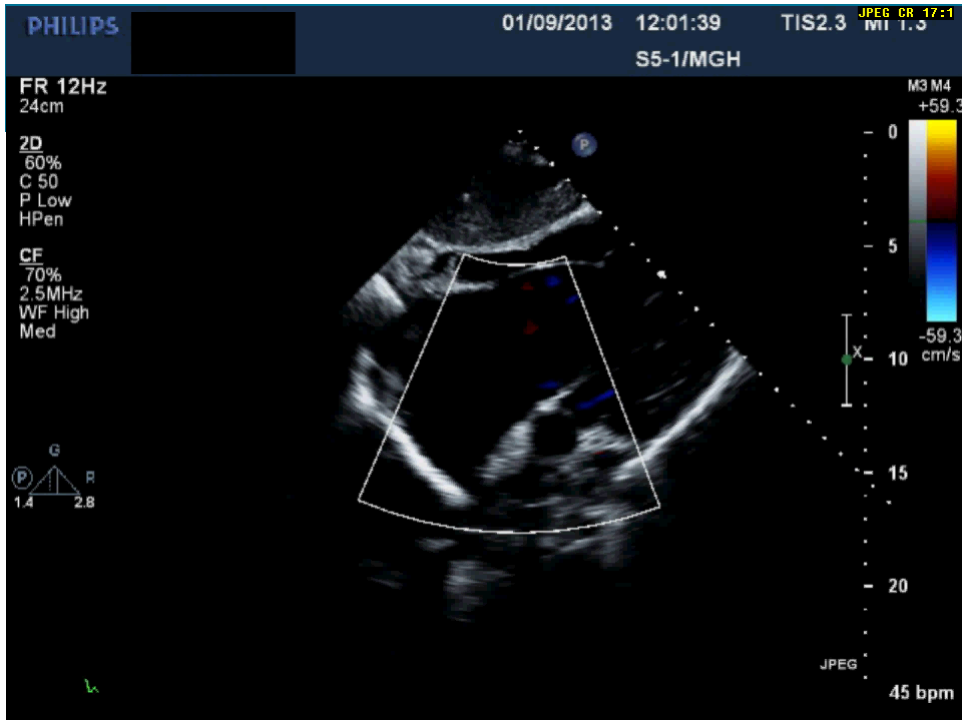
Case II:

- 78 year old female with a murmur as a child
 - Ebstein's anomaly diagnosed after 3rd pregnancy
 - Intermittent atrial arrhythmias
 - managed with digoxin, no prior ablation
 - Sat 95% on RA, normal HCT, euvolemic

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Ebstein Anomaly Key Points:

- Degree of TR, RV function, desaturation will determine symptoms
- Wide spectrum of anatomic variation
- 50% with ASD/PFO
 - Desaturation
 - Paradoxical embolization
- Arrhythmia: WPW





A Teaching Affiliate
of Harvard Medical School

Thank You
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