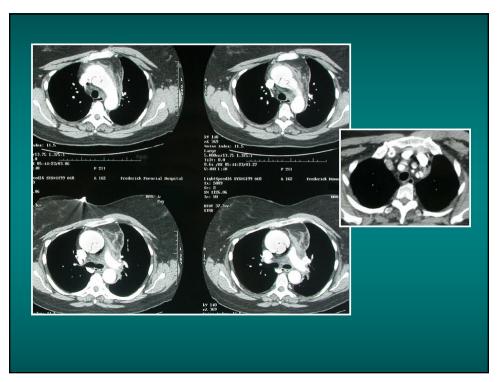
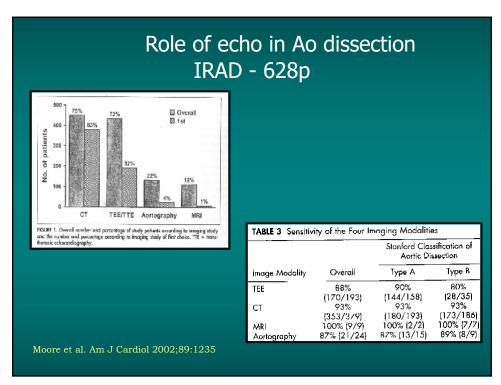
Case Presentation

- 58 yo female
- HTN
- No known previous heart disease
- Sudden onset of Sharp CP radiating to the back.

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Echo in Ao Dissection

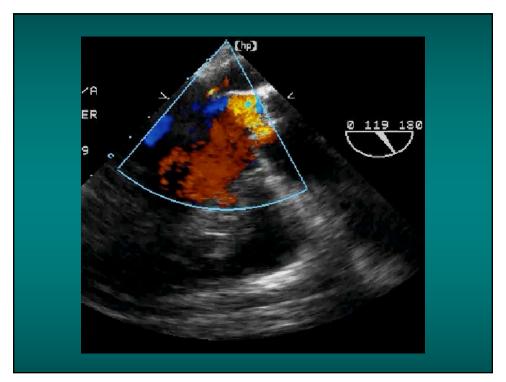
What to look for?

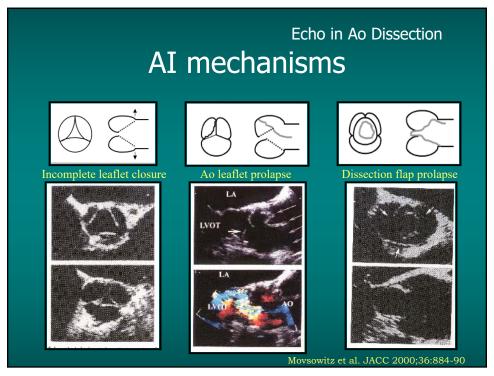
5

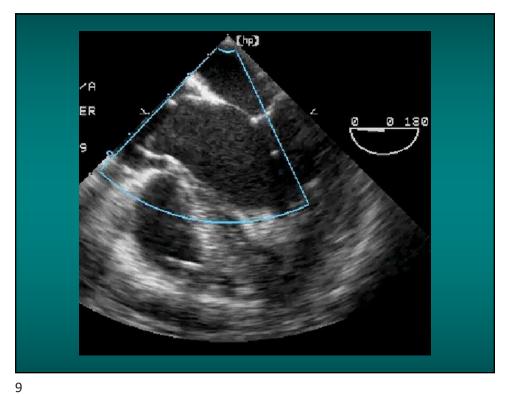
Echo in Ao Dissection

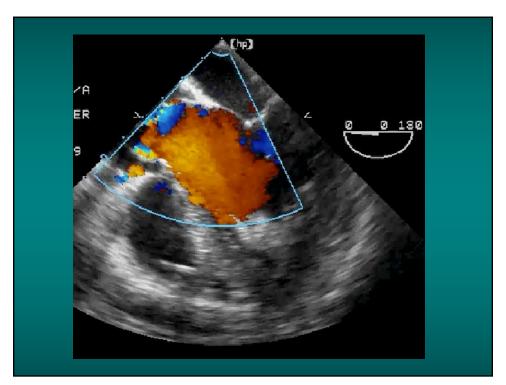
What to look for?

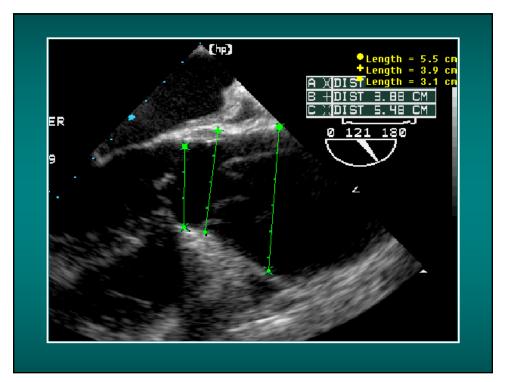
- Flap
- True and false lumen
- Tear: Site of communication
- Complications:
 - AI: examination of Ao valve and root
 - Hematoma: intramural and external bleeding
 - Pericardial effussion / Tamponade
 - Ao branches involvement: Myocardial Ischemia, Carotids.
- LV function and other valvular disease



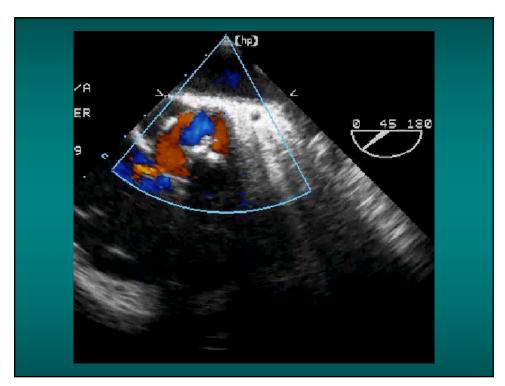


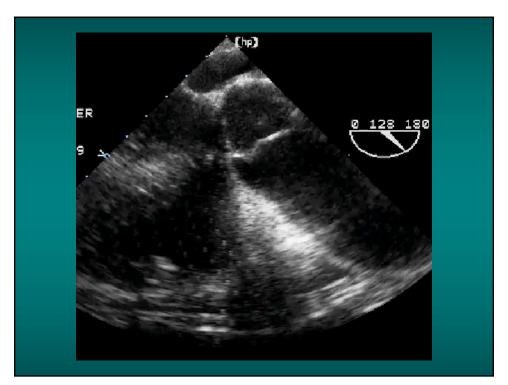








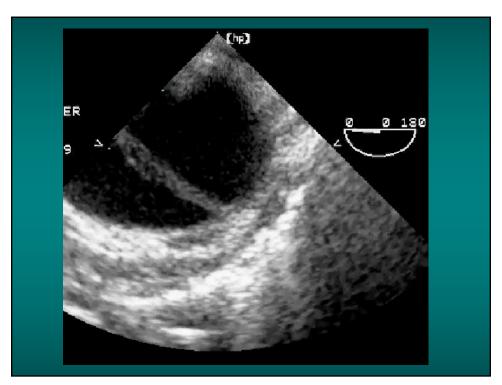


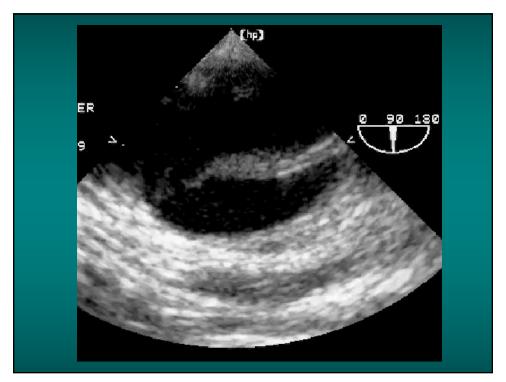


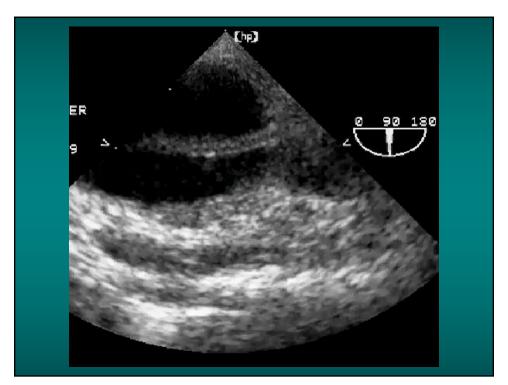
Echo in Ao Dissection Dissection Flap

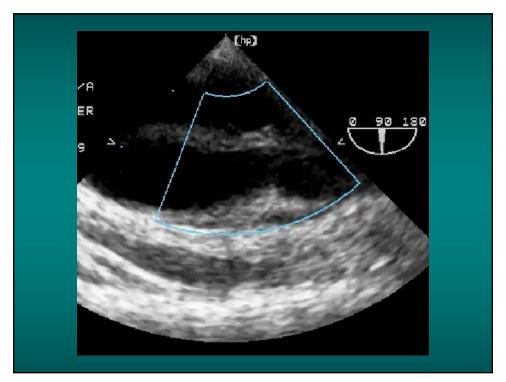
- Key for diagnosis. Spiral shape along the aorta.
- Most important features to assess:
 - » Extension: Type I,II,III
 - » Movement: independent of arterial wall
 - » Integrity: tears

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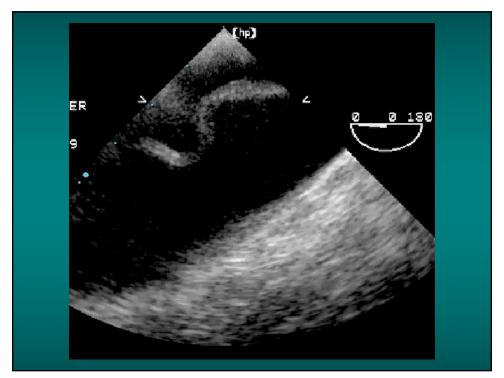




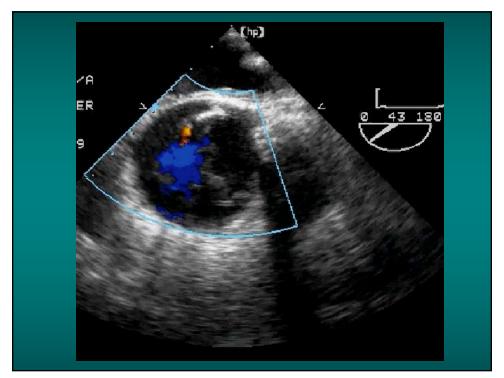


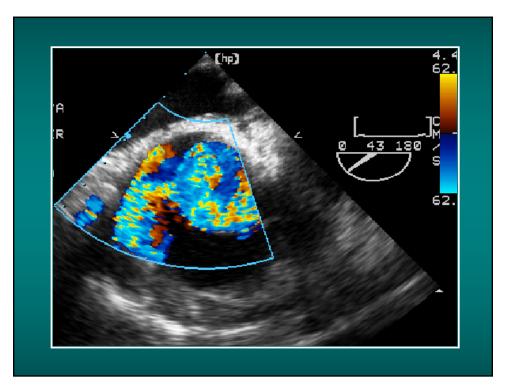


Echo in Ao Dissection True and False lumen True False Expansion Systole Diastole Flow Syst. Forward Reversed, delayed or absent Spont. echo contrast No yes Other Syst jet directed away thrombus









Echo in Ao Dissection

Conclusions

- Cons:
 - Blind spot
 - Less accurate than MRI
- Pros:
 - Accuracy: Sens / specificity
 - Easy to do, even if patient is unstable
 - Not expensive
 - Complete info: Assessment of LV function, AI, tamponade and Ao branch involvement.

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