



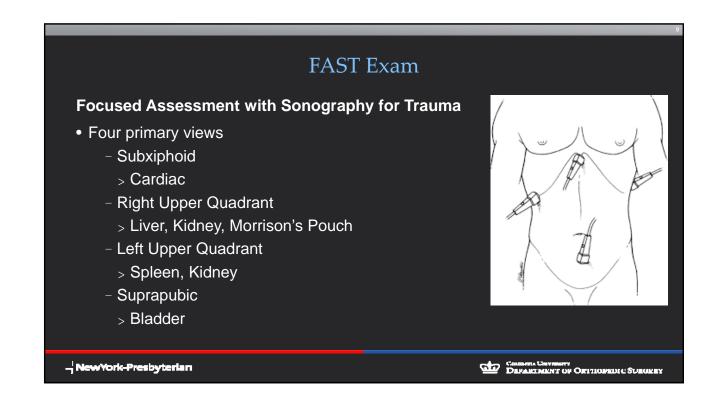
# Ultrasound Basics

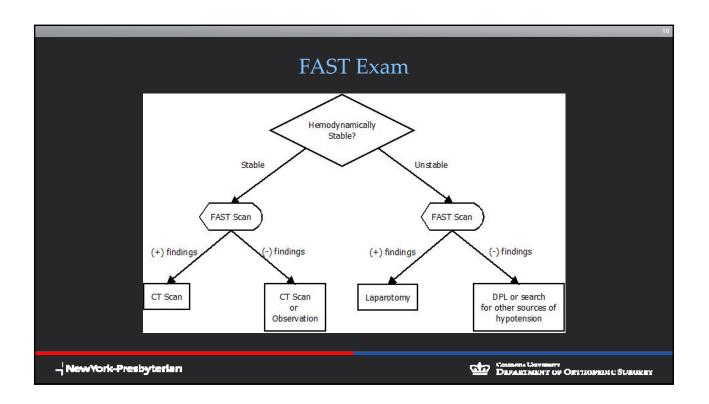
#### • Pros:

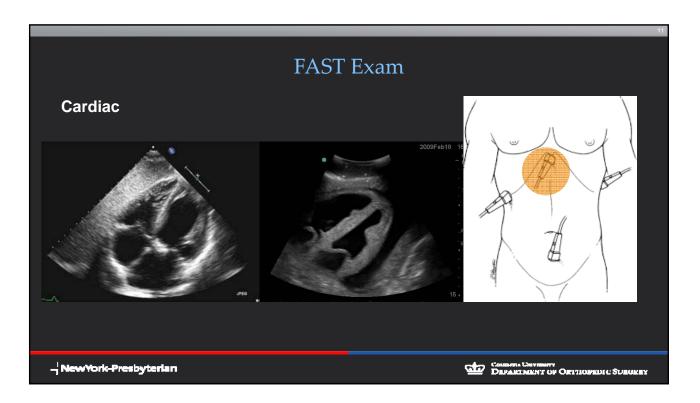
- Excellent for evaluation of superficial structures, fluid collections
- Real-time, portable
- Cons:
  - Cost
  - Operator-dependent

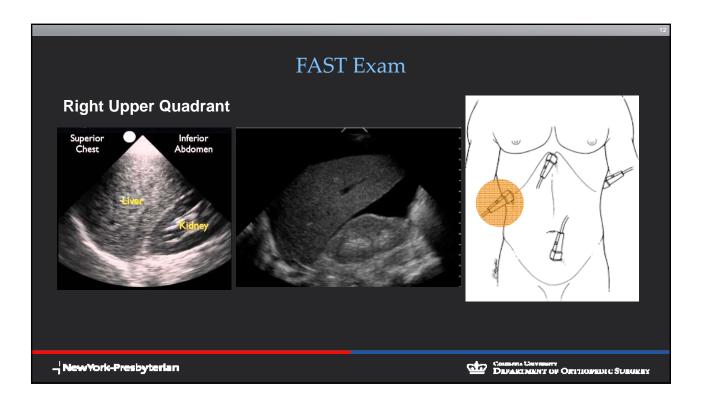


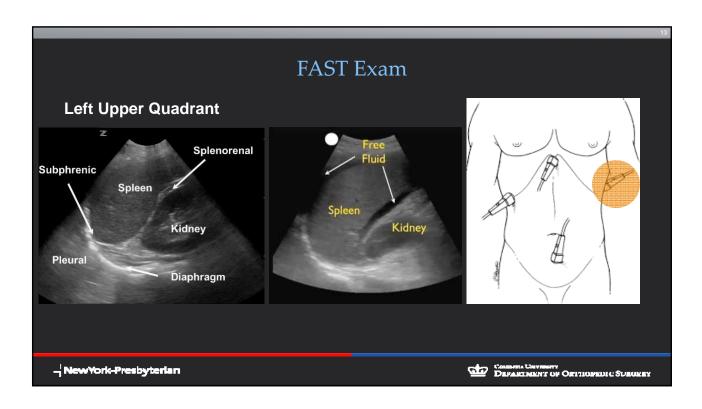
Sideline Ultrasound Uses	
<ul> <li>Trauma evaluation</li> <li>FAST and E-FAST exams</li> <li>Fracture and soft-tissue injury diagnot</li> <li>Treatment</li> <li>Ultrasound-guided injections</li> <li>Peripheral nerve blocks</li> <li>Ultrasound-guided IVs</li> <li>Other?</li> </ul>	stics
- NewYork-Presbyterian	COMMAN DEVENTY DEPARTMENT OF ORTHOMEDIC SUBGREY

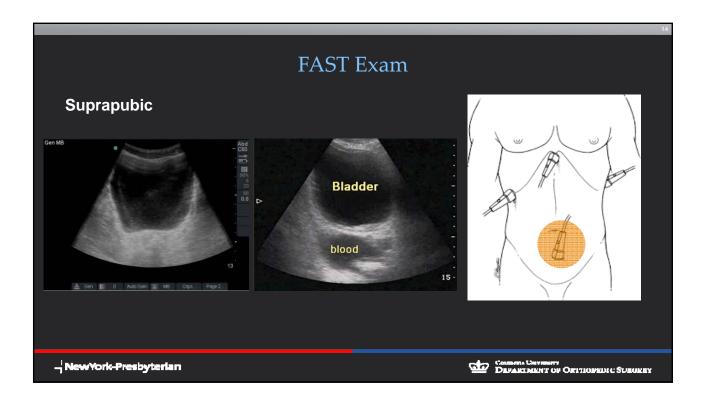


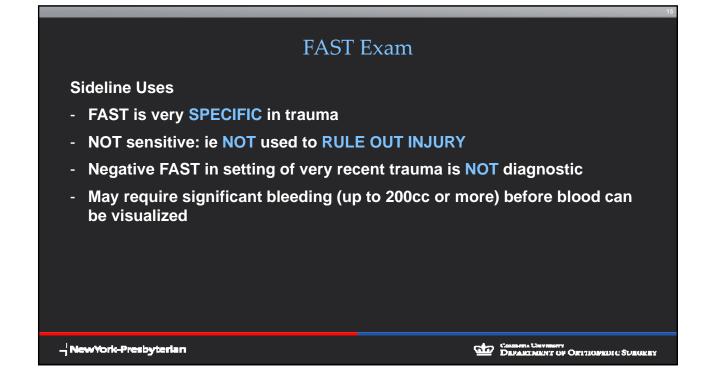


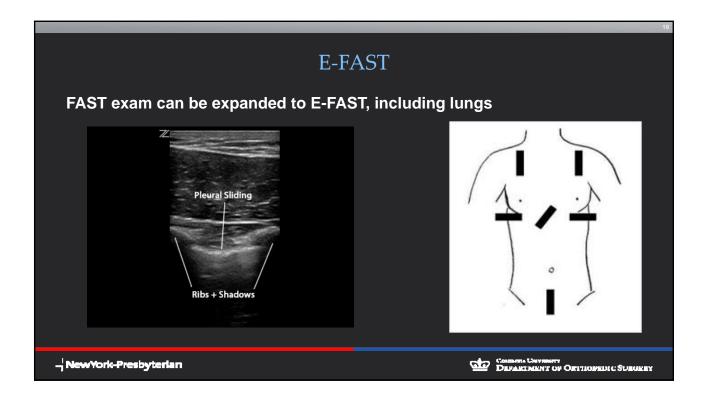


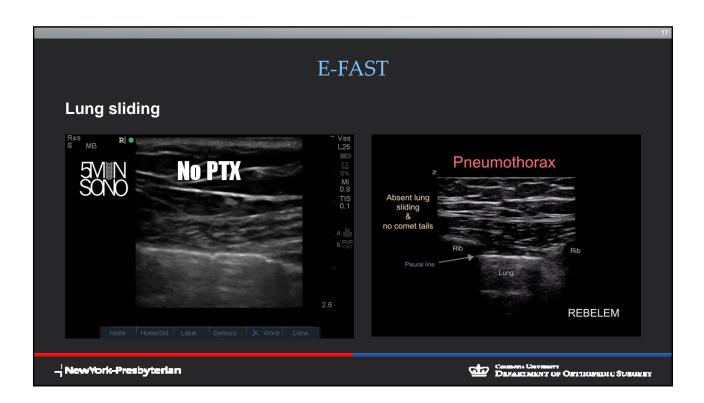


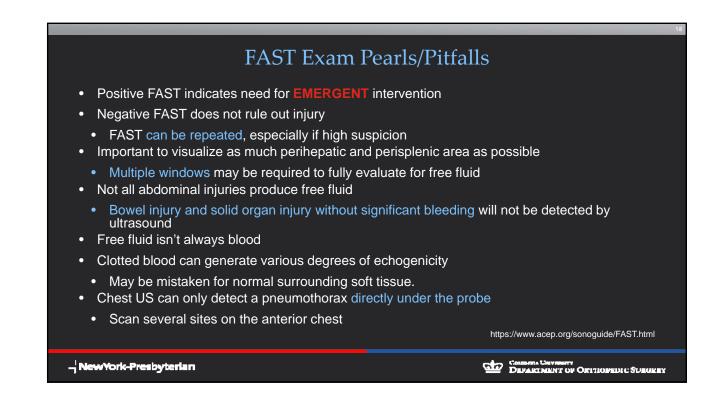


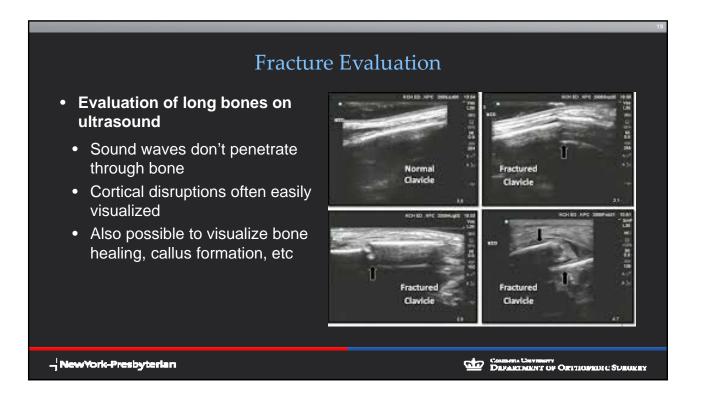


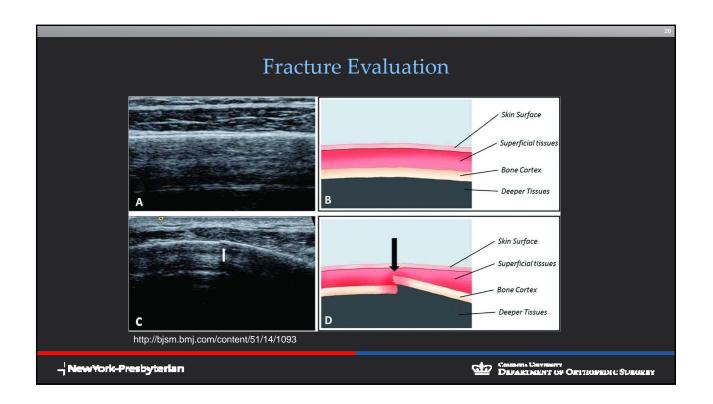


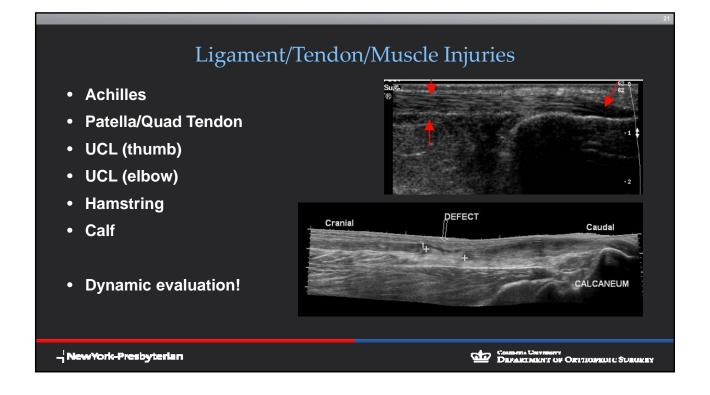




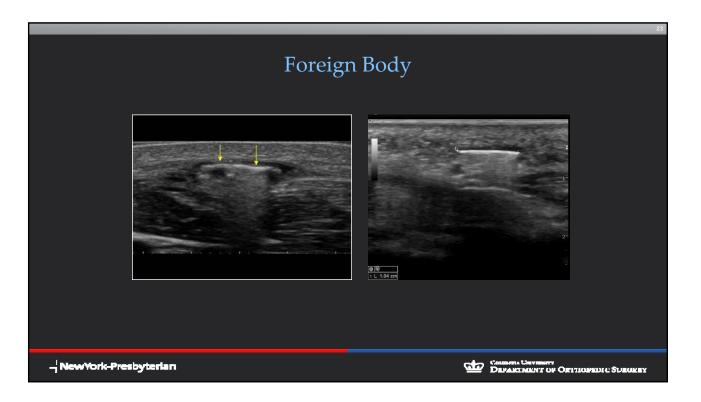


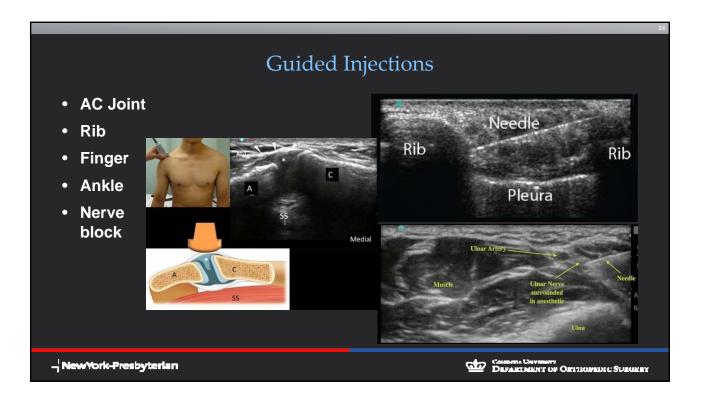






22 Ocular Ultrasound	
Nasal Support Gel on Closed Eye	Anterior Chamber Vitreous Vitreous Retina Optic Nerve
- NewYork-Presbyterian	COMPACTAL CONTRACTOR OR TO DEVELOP CONTROL SUBCINES





## Ultrasound Guided IV Placement

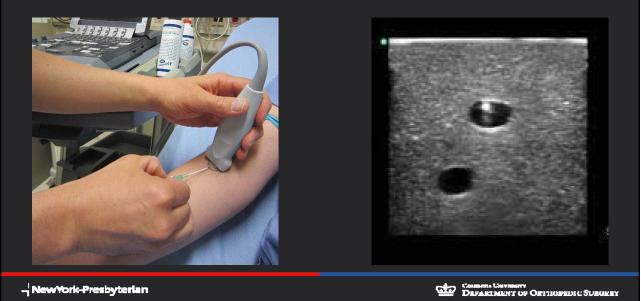
Not all athletes have great veins!

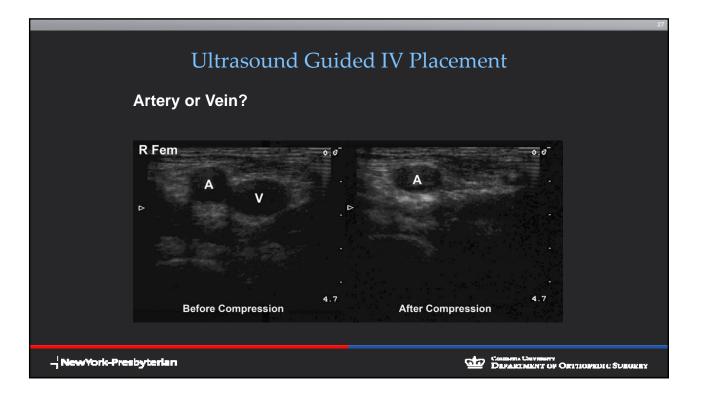
- Dehydration
- Large athletes
- Need for rapid access

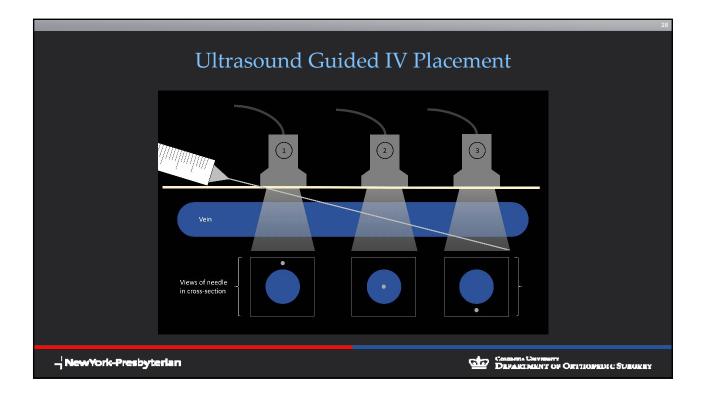
You can see a lot more with ultrasound than with the naked eye!

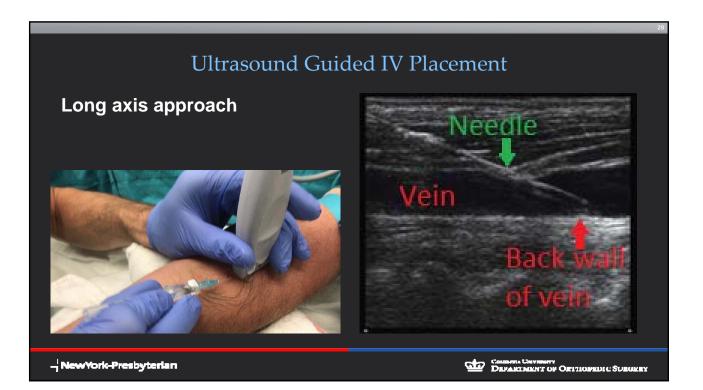


### Ultrasound Guided IV Placement









#### Summary

- Many potential uses for ultrasound on the sidelines
  - (E)-FAST exam
  - Bone and soft tissue injury evaluation
  - US guided IV placement
- Additional uses limited only by willingness to try
  - PPE Cardiac Screening?
  - Splenic enlargement in mononucleosis and RTP?
  - Dehydration/volume status evaluation?
- The more you scan, the better you scan!

