Abdominal Aortic Aneurysm

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MACEP
• AAA ultrasound indications
  • abdominal pain, flank pain, back pain
  • syncope, hypotension
  • PE not reliable

• Early detection
The Cuts

diced
small diced (brunoise)
 julienne
  plateau
Aorta Anatomy
Enters Abdomen at T12

Branches of Aorta (Celiac, SMA, Renal Arteries, IMA)

Bifurcates at Naval
How to
Subxiphoid to Naval

Transverse View
- Proximal
- Mid
- Distal
- Bifurcation

Longitudinal View
Aorta
R side
Thick wall
Round
Pulsatile

IVC
L Side
Thin wall
Oblong
Respiratory Variation

Liver
Proximal Celiac artery with branches
(Common Hepatic, Splenic)
Mid
SMA, Renal Artery
(most AAA are infrarenal)
Distal Bifurcation
Longitudinal
AAA

Aorta > 3cm
Iliac > 1.5cm
Measure outer wall to outer wall
Dissection flap
Small FF
Consider FAST Exam
Trouble Shooting

Gentle pressure to displace bowel
Jiggle Probe
Color Doppler
Thanks