Disclosure:
Douglas Schuerer, M.D.

No relevant financial interests to disclose.

I am not a Pediatric surgeon, but I have learned a lot.
Outline

• Case vignettes
• Work up
  • Similarities
  • Differences

• Treatment
  • Similarities
  • Differences
Cases

- 8 y.o. male back seat unrestrained passenger
- 70 mph MVC
- Driver intoxicated
- GCS 12, HR 130, BP 90/48, RR 18
- Lungs CTA
- Abdomen soft

- 28 y.o. male front seat unrestrained passenger
- 70 mph MVC
- Driver intoxicated
- GCS 12, HR 120, BP 100/58, RR 18
- Lungs CTA
- Abdomen soft
Which is harder to assess mental status?
Evaluation - Head

- CT
- Observation
- MRI
- Other causes for low GCS
Evaluation - Spine

- CT?
- Plain films?
SCIWORA – Or is it?  SCIWOXRA
Evaluation - Chest

- CXR or CT Scan
Evaluation - Chest

• Initial CXR shows a 1\textsuperscript{st} rib fracture and slight apical capping
  • CT now?

• What if the CXR showed mediastinal widening?
Evaluation - Abdomen

- Imaging
  - CT scan
  - FAST
  - MRI
- Observation
- Initial labs obtained
- Risks?
Evaluation - Pelvis

- Plain films
- CT scan
Evaluation - Extremity

• How many x-rays?
Treatments

- GCS 12
- ICH
  - SDH or EDH
  - Contusions
  - Diffuse axonal injury
Treatment - Spine

- Spine service to evaluate
- Mostly treated the same
- Elderly may have different treatment needs given DJD.
Treatment - Chest

- PTX and hemothorax treatment
- Aortic injury
Spleen
Splenic Injury: Contrast Blush
Treatment - Spleen

- Serial imaging or labs
- Where to monitor?
- Repeat scans on any patients?
- Proximal or distal embolization
- Splenectomy

- Follow up
Liver
Liver - Treatment

- Serial labs or imaging
- When do you embolize?
- When do you operate?

- Follow up?
Pancreas - Treatment
Pancreas - Treatment

- Similar treatment
- Slow to operate
- Use adjuncts
Pelvis Fracture

- Pelvic binder
- Need for cystogram
- When to CT
- When to fixation?
Pelvic Bleeding

• Do you see this?

• Embolize?

• When is OR needed for packing?
Extremities - Treatment

- Are treatments different?

- What is the difference in long term follow up?
Transfer

• What children need to be at a pediatric trauma center?

• What adults need to be at a Level 1 trauma center?
Thank you

• ?s