LUNGINJURY

The 3 Critical Diagnoses...

Other Common Pulmonary Pathologies

- Rib Fractures: Pain with inspiration causes patients to take shallow breaths. Treat with pain medications. Can progress to flail chest
- Small Pneumothorax: Can be worsened my intubation and mechanical ventilation, otherwise just treat with supportive care
- Pulmonary contusion: Treat with supportive care

Approach to Lung Injury

- ATLS Primary Survey-Airway, Breathing: Look for lung injury= respiratory distress, hypoxic, tracheal deviation, bullet wound/stab wound, unequal breath sounds, etc.
 If patient is crashing and in obvious respiratory distress → Consider placing a chest tube
- 3) Get Imaging: Usually CXR or ultrasound to start. Best test is a CT chest with contrast, but only if the patient is stable (You don't want to do compressions in the CT scanner, so make sure their stable 1st!)
- 4)3 Critical Diagnoses:
- 1)**Tension Pneumothorax**: Air and pressure builds up between chest wall and lung \rightarrow Hypoxic, decreased preload. Treatment is Needle decompression, then chest tube.
- 2)**Open Pneumothorax**: Prevents lung from expanding during inspiration. Treatment is 3-sided occlusive dressing and then a chest tube.
- 3)**Hemothorax**: Blood fills up the lung cavity → Hypoxia, decreased preload, hypotension. Treatment is a chest tube.

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