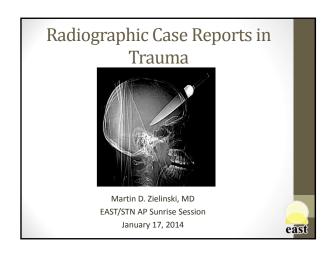


Eastern Association for the Surgery of Trauma

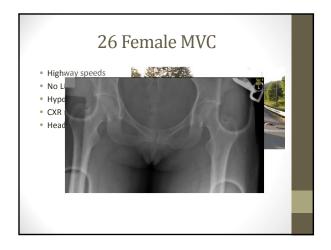
27th Annual Scientific Assembly

Sunrise Session 15
Practical Application of Radiographic Images to
Trauma Clinical Care: EAST/STN Case Presentations

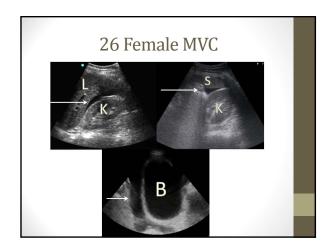
January 17, 2014 Waldorf Astoria Naples Naples, Florida



Radiographic Case Reports in Trauma Case Series Questions Audience participation requested REQUIRED!



•IS FAST indicated? - YES - NO Why?



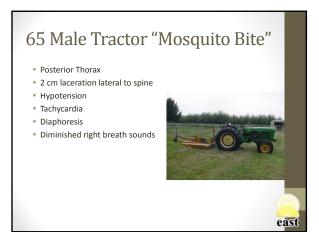
•What is the most likely diagnosis?

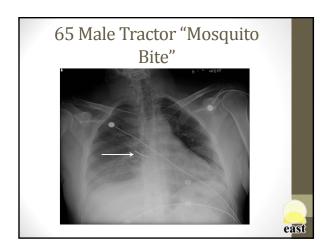
Extraperitoneal Bladder Rupture east

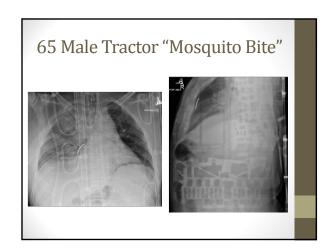
Intraperitoneal Bladder Rupture

Intraperitoneal Bladder Rupture

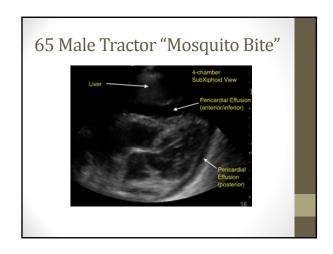
- Highly associated with pelvic fractures
- >66% gross hematuria
- 99% microscopic hematuria
- Extraperitoneal
 - Nonoperative Rx
- Intraperitoneal
 - Operative Rx

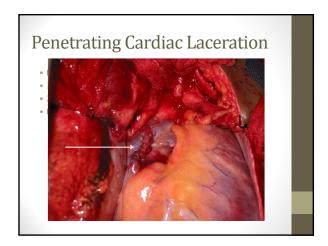


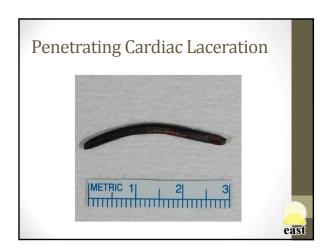


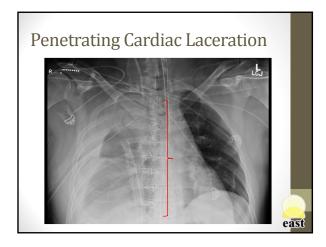


65 Male Tractor "Mosquito Bite" • Which anatomic structures are at risk? Right Lung • Liver Heart Stomach Pancreas Trajectory determination equals injury identification 65 Male Tractor "Mosquito Bite" Box of Death 65 Male Tractor "Mosquito Bite" •IS FAST indicated? - YES - NO Why?









Penetrating Cardiac Laceration

- Almost exclusively penetrating
- 33% survival
 - Stab 65%
 - GSW 16%
- 68% resuscitative thoracotomy

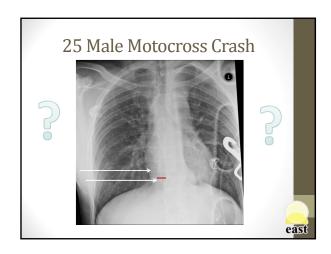
east

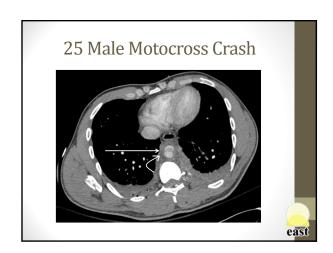
east

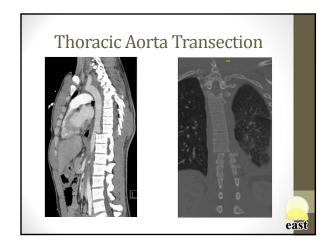
25 Male Motocross Crash

- Bike landed on his back
- Normal vitals
- Insensate below umbilicus
- No motor function of lower extremities
- Weak bilateral femoral, popliteal, posterior tibial and dorsalis pedis







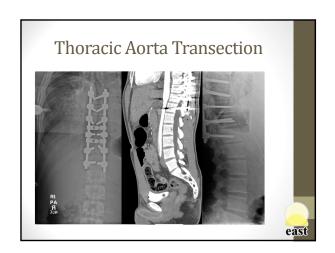


Thoracic Aorta Transection

- Treatment Options?
 Anterolateral Thoracotomy
 - Median Sternotomy
 Spine Stabilization
 - Endovascular Stent
 - Non-operative Management

Thoracic Aorta Transection

east



Thoracic Aorta Transection

- Affects 2% of blunt trauma patients
- #2 cause of immediate death
- 20% survive to be treated
- > 80% with associated injuries
- "Osseous Pinch"

73 Male Fall from Standing

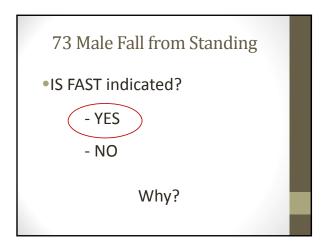
- Family heard a "thump"
- + LOC
- Central Cyanosis
- Hx of DVT
- Recent Left Knee Arthroplasty
- Extreme WOB ---- Intubation

73 Male Fall from Standing

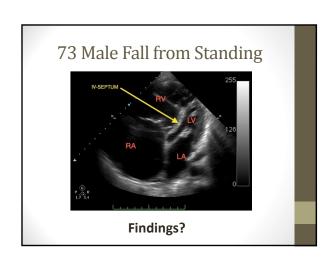


Any Traumatic Injuries Noted?

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73 Male Fall from Standing

73 Male Fall from Standing

- Right Heart Strain
- Cyanotic
- Increased WOB
- Hx of DVT
- Recent orthopedic operation?

Diagnosis?

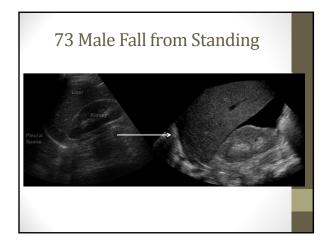
Treatment?

73 Male Fall from Standing

- PEA Arrest
- CPR performed x 2
- Persistent hypotension
- 10 minutes later...

Increase abdominal distension...

What's next?



CPR-Induced Hepatic Laceration

- 2.9% incidence post-mortem
- Children at greater risk
- Ante-mortem diagnosis is case-reportable

