



fore



Lower Extremity Cases

Atlanta Trauma Symposium
April 20th – 22nd 2017

William M. Reisman, M.D.
Chief of Orthopaedics
Grady Memorial Hospital



Case 1

- 22 y/o Male fall while skateboarding
- Closed
- dNVI
- No other injuries
- No PMH























Case 2

41 y/o male MCC

- PMHx: none
- PSHx: none
- Exam:
 - Tender, swollen at the knee
 - Able to flex extend his toes/ankle
 - Palp distal pulses







41 y/o male MCC

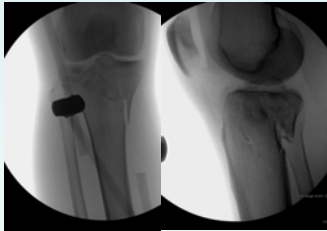
- PMHx: none
- PSHx: none
- Exam:
 - Tender, swollen at the knee
 - Able to flex extend his toes/ankle
 - Palp distal pulses

41 y/o male MCC

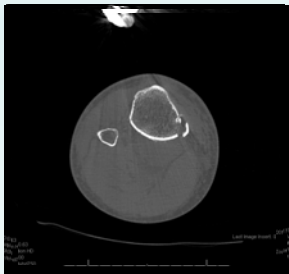
- PMHx: none
- PSHx: none
- Exam:
 - Tender, swollen at the knee, **no wounds/abrasions**
 - Able to flex extend his toes/ankle
 - Palp distal pulses

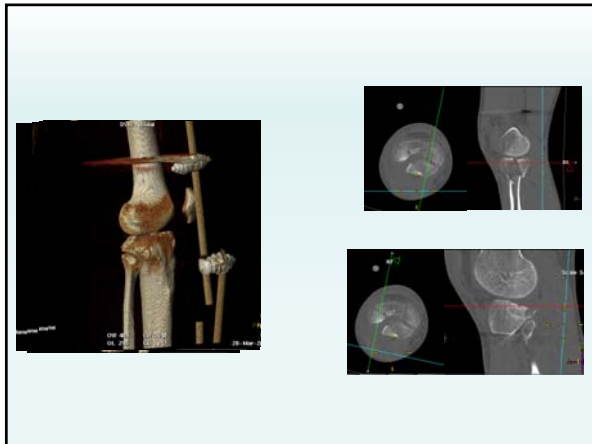
- **ABI: > 1**
- **No pain with passive stretch of toes/ankle**
- **serial exams for compartment syndrome/vascular injury completed**

- To the OR for knee spanning external fixation



- Post Ex fix CT scan



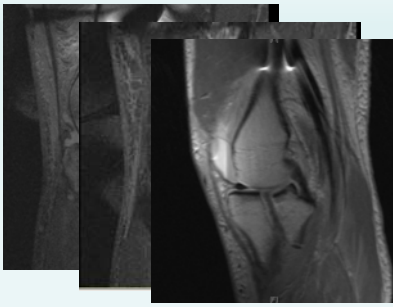


• Plan?

• Plan?


- Dual incision approach to tibial plateau
 - Postero-medial plate vs direct medial plate
 - Lateral tibial plateau: anterolateral incision
- Posterior approach
 - What about lateral meniscus?
 - What about medial meniscus?
- Discussion Points:
 - Lateral tibial plateau reduction via cortical window or osteotomy
 - Femoral Distractor?

• PreOp MRI




• Surgical Plan?

- Femoral Distractor
- Posteromedial buttress plate
 - Reduced coronal fx line: medially
- Lateral incision
 - Cortical window to elevate lateral joint depression
 - Retrieved + repaired lateral meniscus
 - Lateral locking plate for post joint
- Direct Medial plate
 - To reduce condylar width



What we did:

- Femoral Distractor
- Posteromedial buttress plate
 - Reduced coronal fx line: medially
- Lateral incision
 - Cortical window to elevate lateral joint depression
 - Retrieved + repaired lateral meniscus
 - Lateral locking plate for post joint
- Direct Medial plate
 - To reduce condylar width



Schatzker 4 tibial plateau with lateral depression

Post Op Instructions:

- Early knee ROM in hinged knee brace unlocked from 0-90
- Periop Abx for 24 hours
- Compartment monitoring post op
- NWB 3 months

Case 3

- 38 y/o male MCC
- 3A open tibia with anteriomedial L-Shaped laceration
- Smokes 1 pp/month
- Laborer
- No other injuries
- Palpable Posterior Tibial Artery
- Dopplerable Anterior Tibial Artery
- Deep Peroneal Sensation diminished o/w intact



