


 Current Solutions in Orthopaedic
 Trauma
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Femur Shaft Cases

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DISCLOSURES


- Hassan R. Mir, MD, MBA, FACS
 - Medical/Orthopaedic Publications Editorial/Governing Board
 - JOT Associate Editor
 - JAAOS Consultant Reviewer
 - JBJS Consultant Reviewer
 - OsteoSynthesis, The JOT Online Discussion Forum Editor
 - OTA International, Digital Editor
 - Board Member/Committee Appointments for a Society
 - AAOS Diversity Advisory Board, Council on Advocacy, Healthcare Systems Committee
 - AOA Leadership / Fellowships Committee
 - OTA Education Committee, Board of Specialty Societies
 - FOT Research Committee
 - Paid Consultant for a Company or Supplier
 - Smith & Nephew
 - Zimmer Biomet
 - OrthoGrid Systems
 - Pharmacom Group

Case #1

• 34 yof s/p mvc POLL OPEN

How would you Treat this Fracture?

1. Trochanteric Femoral Nail 0%
2. Piriformis Femoral Nail 0%
3. Retrograde Femoral Nail 0%
4. Blade Plate 0%







- 34 yof s/p mvc
- Closed L femur fx
- Open R forearm fx
- Closed R ankle fx
- Well resuscitated

POLL OPEN

How would you treat this fracture?

1. Trochanteric Femoral Nail 0%
2. Piriformis Femoral Nail 0%
3. Retrograde Femoral Nail 0%
4. Blade Plate 0%

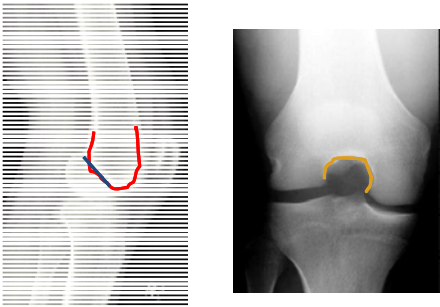




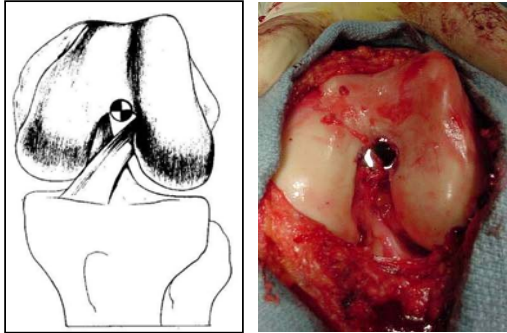
- 34 yof s/p mvc
- Closed L femur fx
- Open R forearm fx
- Closed R ankle fx
- Well resuscitated

• How did we Treat this Fracture?
Retrograde Femoral Nail

Starting Point




Starting Point



Trajectory

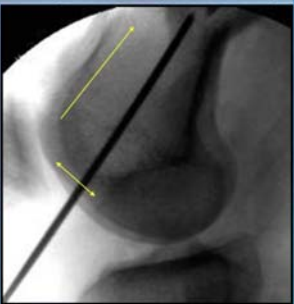
If the guide wire is perpendicular to joint surface, the articular segment will be in varus.

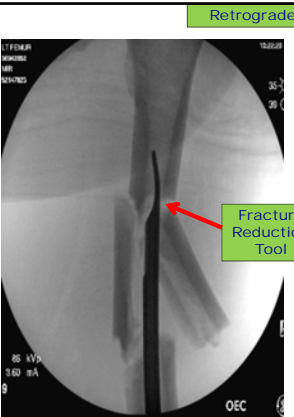



Trajectory

Too anterior =
•Flexion
•Posterior translation


Too posterior =
•Extension
•Anterior translation





Retrograde


Fracture Reduction Tool



POLL OPEN

How would you judge Length in the OR?

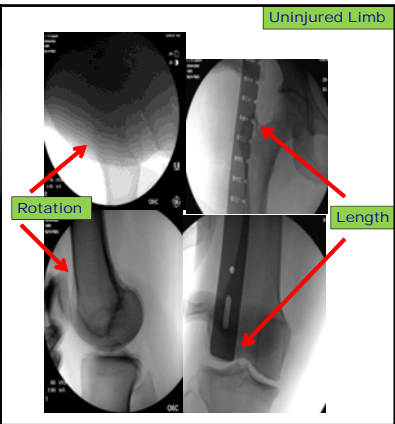

- 1. Fluoroscopy of Injured Limb 0%
- 2. Clinical Exam compared to Uninjured Limb 0%
- 3. Fluoroscopic comparison to Uninjured Limb 0%
- 4. Not Concerning in this Case 0%



POLL OPEN

How would you judge Rotation in the OR?

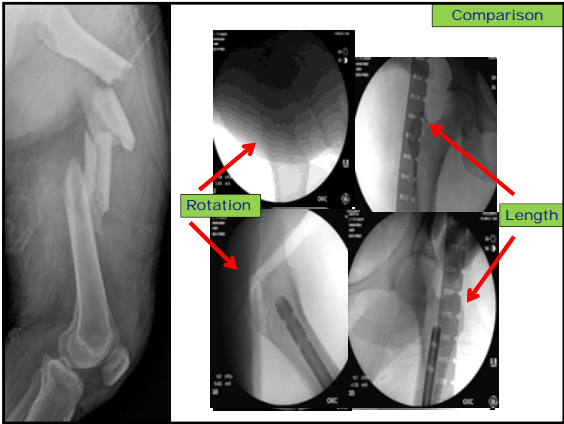
- 1. Fluoroscopy of Injured Limb 0%
- 2. Clinical Exam compared to Uninjured Limb 0%
- 3. luoroscopic comparison to Uninjured Limb 0%
- 4. Not Concerning in this Case 0%



Uninjured Limb

Rotation

Length





Case #2



POLL OPEN

How would you Treat this Fracture?

1. Trochanteric Femoral Nail 0%
2. Piriformis Femoral Nail 0%
3. Retrograde Femoral Nail 0%
4. Blade Plate 0%

Minimally Invasive Nail Insertion Technique for Subtrochanteric Femur Fractures

How and Why Dr. Hassan R. Mir, MD, and T. A. Russell, MD

Hassan R. Mir, MD, and T. A. Russell, MD

- MINIT
 - Precise Portal
 - Trajectory Control
 - Portal Preservation

