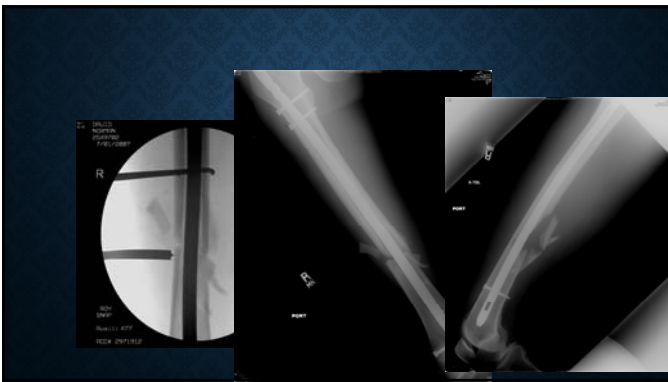
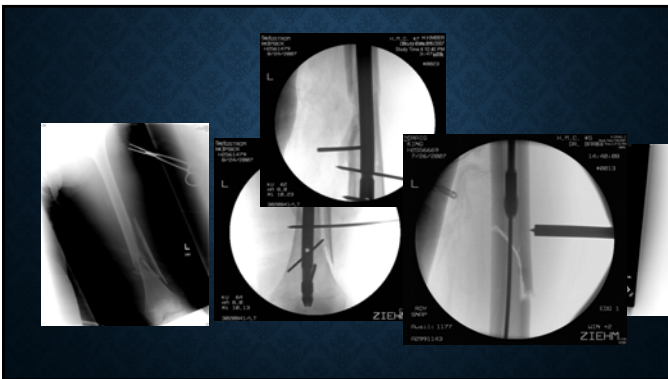


5 TIPS FOR IM NAILING FEMORAL SHAFT FRACTURES

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ONE

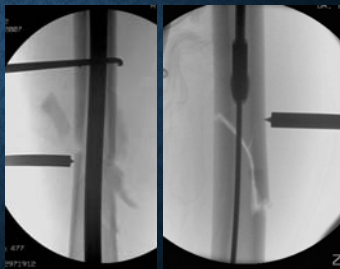
- Don't make assumptions! (What not to do)
- Fully evaluate the problem
 - How?
 - Image the entire bone including hip and knee
 - CT from trauma scan
 - Why is it important?
 - Impacts diagnosis, prognosis, insertion site, implant, rehab

TWO

- Plan Ahead
- Regardless of positioning technique
- Get additional information regarding **length and rotation**
 - Diff techniques...anterversion very reproducible, lesser troch profile
 - Use ruler and flouro from difined landmarks
- Do this prior to draping

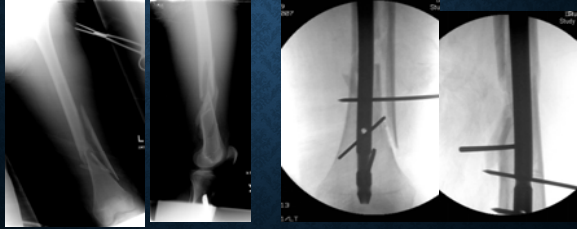
THREE

- Manipulate the bone
- Utilize percutaneous techniques
 - Bone hook
 - Spiked pusher
 - Small wire traction
 - Shantz pins (blunt tipped, not self-drilling)



FOUR

• Blocking Wires



FIVE

• Don't cause (or miss) a complication

1. Femoral neck fx
 1. The nail + insertion handle are huge lever arm, hip is essentially a fixed point
 2. Dynamic fluoro exam just as sensitive as intraoperative xray
2. Ligamentous knee injury
 1. Examine post fixation
