

Fractures Of The Acetabulum: Indications For Treatment

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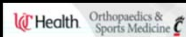
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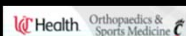
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Periprosthetic Fx
The Problem







Periprosthetic Fx
The Problem




Periprosthetic Fx - Population

- Population Is Aging
- Elderly Are Remaining Active
- >300,000 Total Joints / Year
 - Therefore, More Periprosthetic Fxs



Osteoporosis - Epidemic


Estimated that osteoporosis causes approximately 1.5 million fractures every year in the U.S.



Problem - Etiology


Osteoporosis

Implants (THA, TKA, IM Nails)
Stress Risers



Periprosthetic Fx's Are An Impending Orthopaedic Tsunami

Periprosthetic Fracture



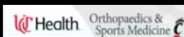
Decision Making - Factors

- Is The Implant Stable?
- Is There An Implant Above / Below?
- Is The Right Equipment Available?
- Do I Have The Skill Set?



Goals Of Treatment

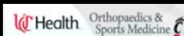
- ❖ Stable Fixation
 - Early Motion
 - Early Weightbearing ?
- ❖ Minimally Invasive
 - If Possible
- ❖ Avoid Creating Stress Riser

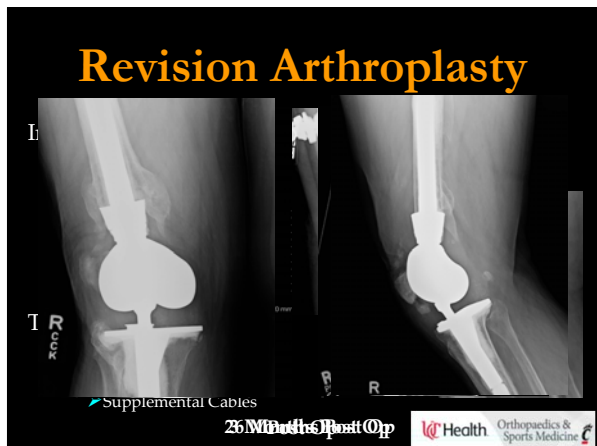


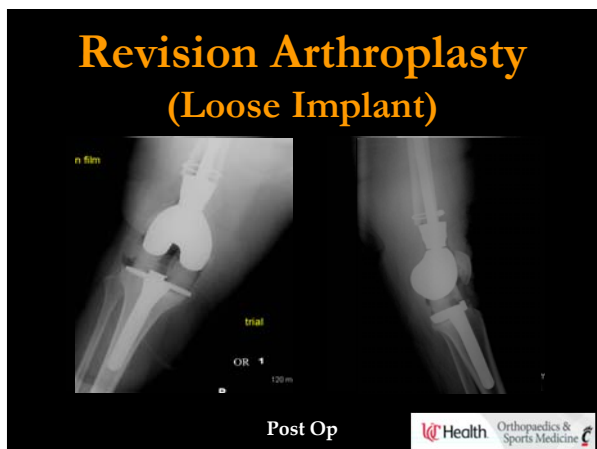
Treatment Options?

Revision TKA

ORIF FX







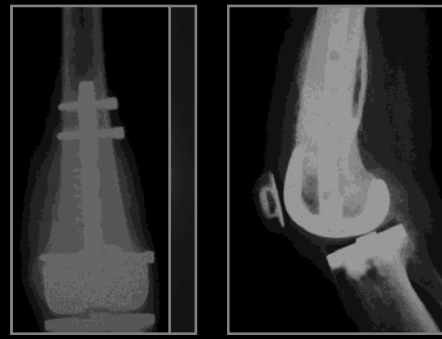


Treatment - IM Nailing


- ❖ Requires Adequate Intercondylar Region To Accommodate IM Nail
- Contraindicated If Closed Intercondylar Box
- ❖ Alignment Can Be Difficult To Control



The diagram shows a cross-section of a knee joint with a mesh-like structure in the intercondylar region. Below it is an X-ray of a femur with an intramedullary nail inserted.




The left X-ray shows a knee joint with a large cross-shaped implant. The right X-ray shows a knee joint with a circular implant and a long vertical rod.

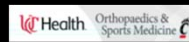


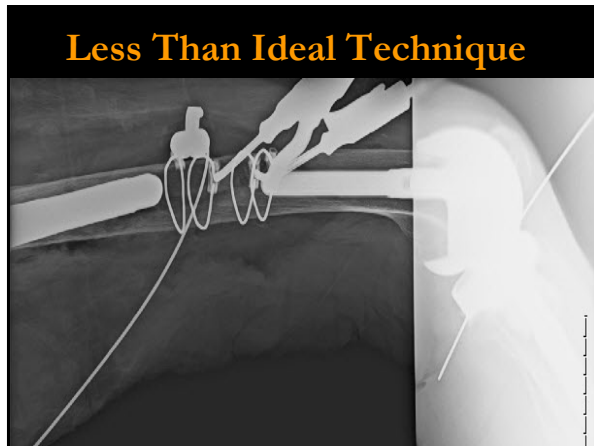
ORIF Options

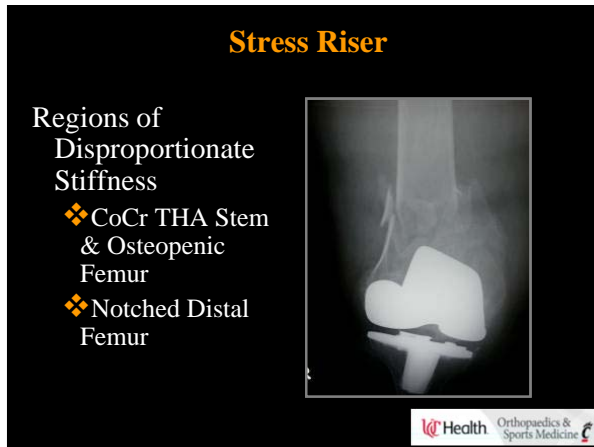
- ❖ Ex-Fix
 - Not Common
- ❖ IM Nail
 - Distal Femur
- ❖ Plates
 - Locking ?
 - Cables ?



The X-ray shows a femur with a locking plate and an intramedullary nail. A small 'R' and '120 MP' are visible on the image.



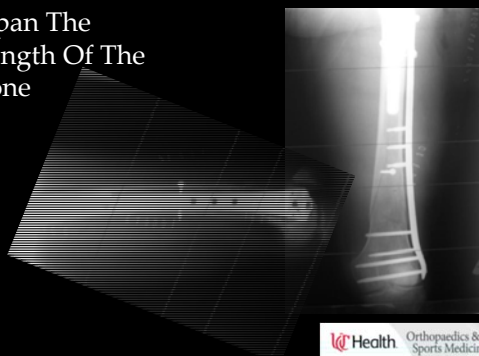






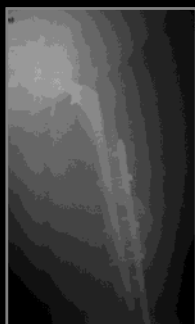
How Long Of A Plate

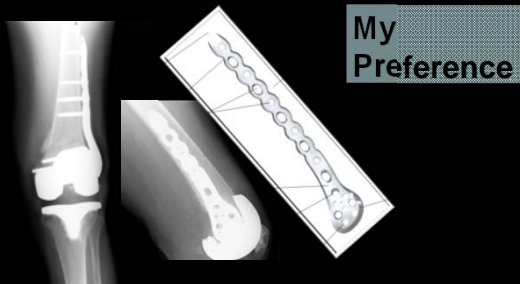
- ❖ Span The Length Of The Bone



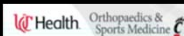
How Many Screws / Cables?

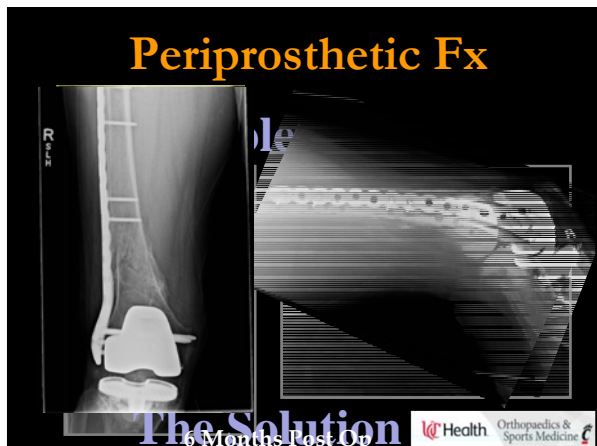
- ❖ Minimum – 2 Screws, 2 Cables
- ❖ Optimal – As Many Screws As Possible, 2-3 Cables

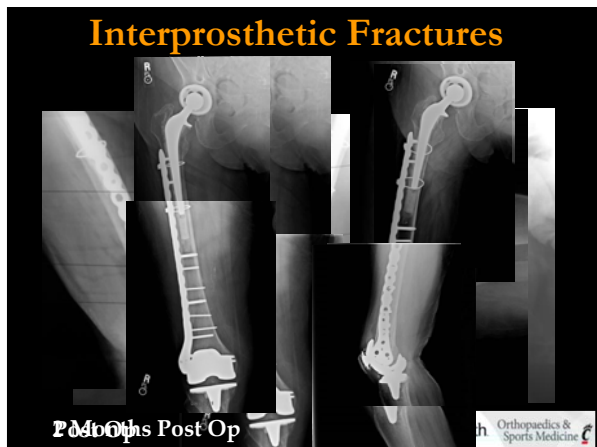




Distal Femoral Locked Plating









Sometimes Just Let Nature Do It's Thing

