

Accessory Reduction Techniques for Peri-articular Fractures (Tips & Tricks)

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University of Pennsylvania

Not Penn Approved



Not Penn Approved



So proud ...

Recruit patients

Encourage referrals

Ironical ...

Smaller is **Better!**

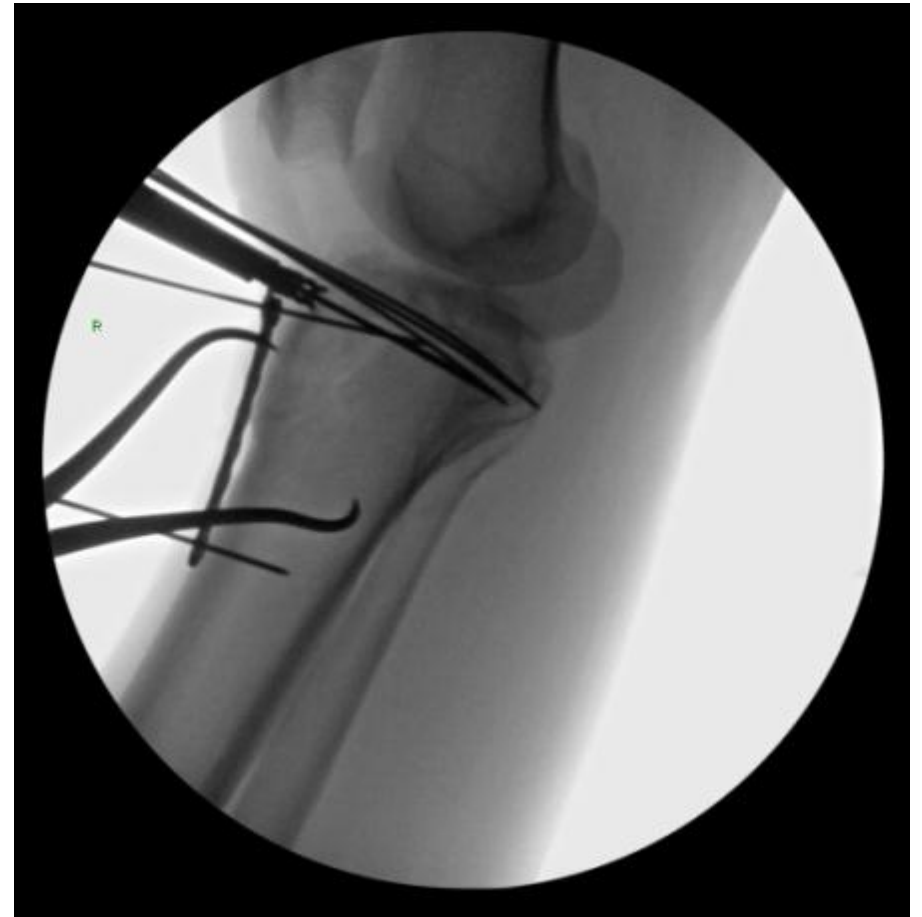
Intra-op



Intra-op



Intra-Op: Reduction Tool



Intra-Op

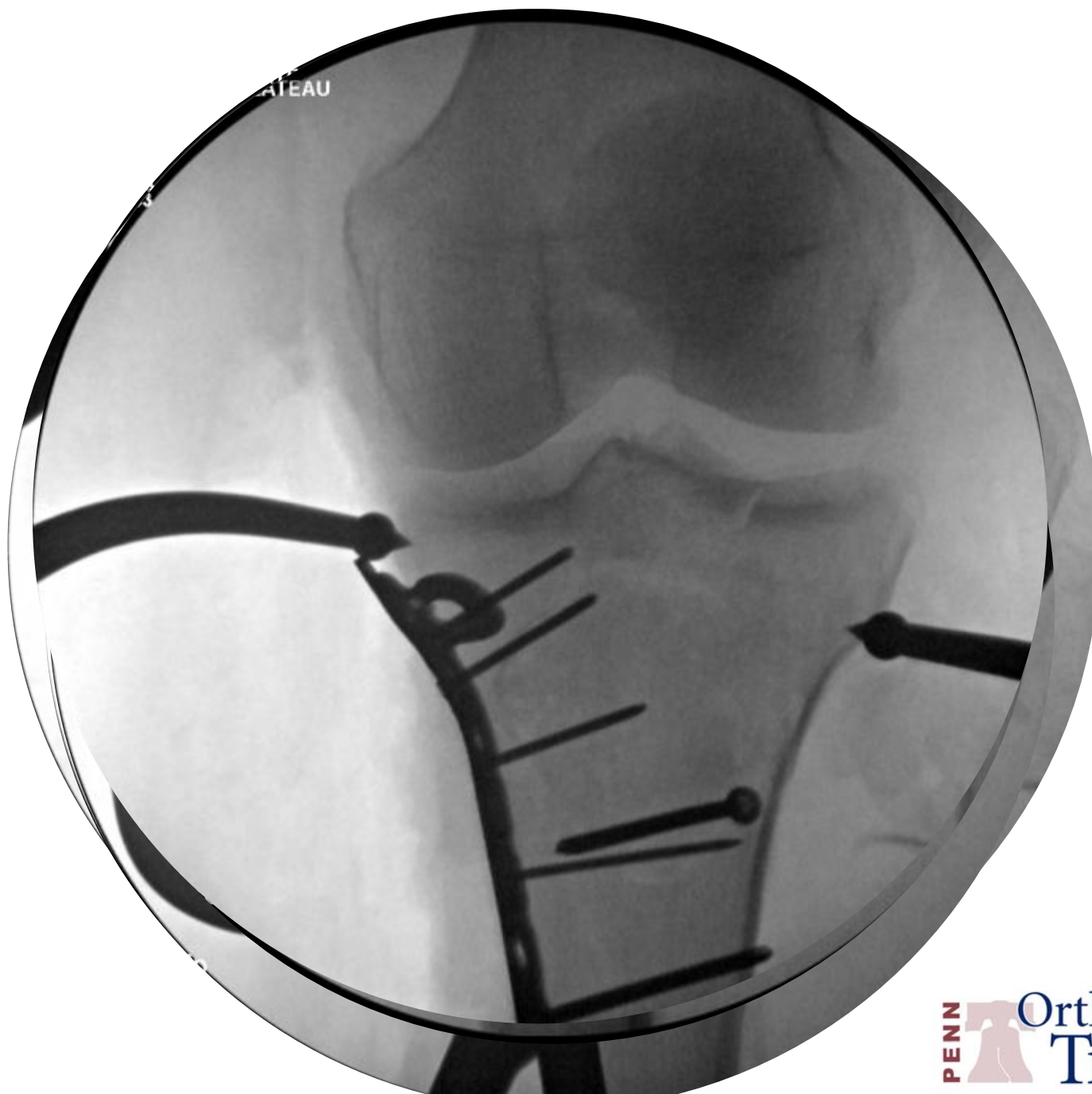


Intra-Op



HSMVC - Ex-Fix





Application of Surface Implants



OIF

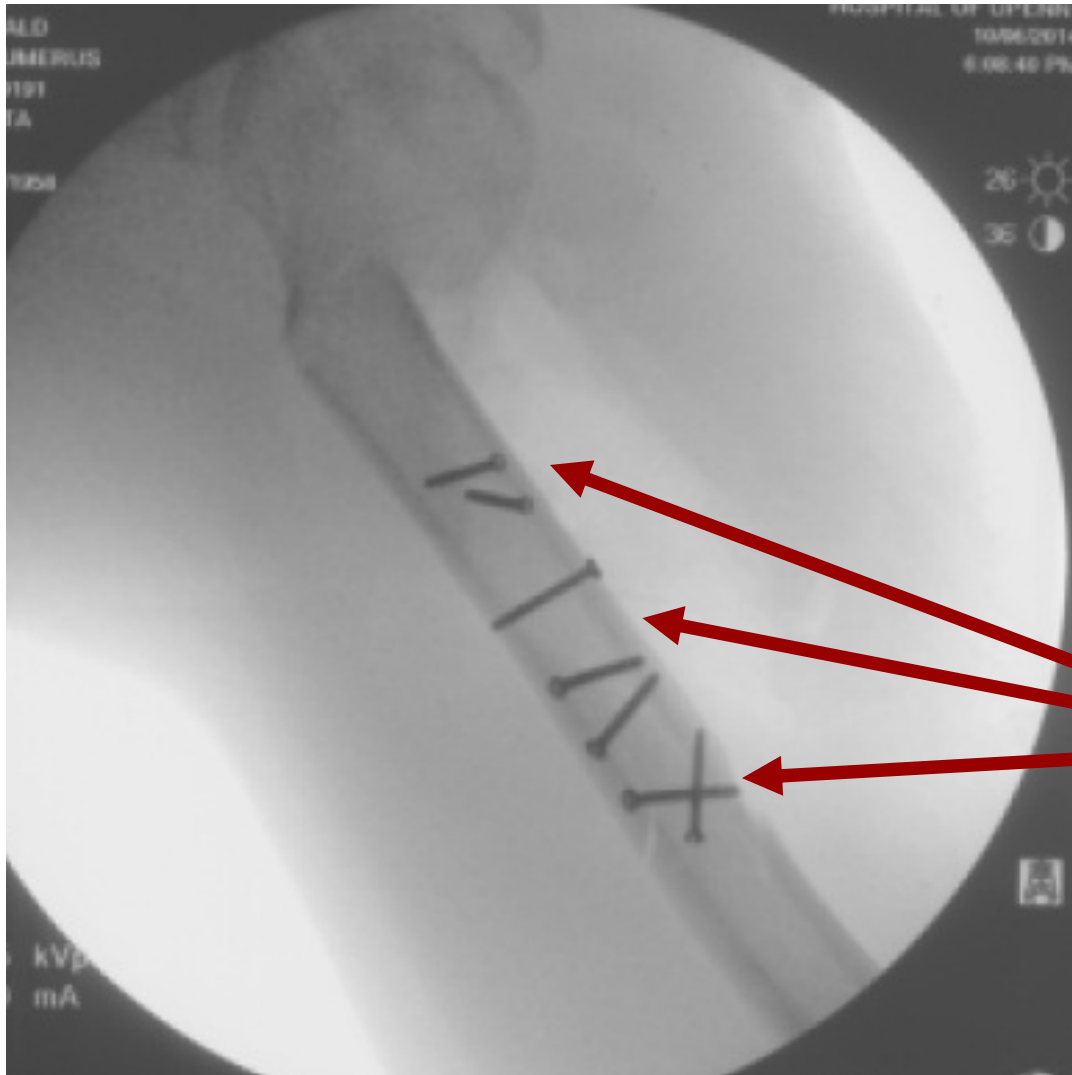
- 69 yo Firefighter
- Plan
 - Cut it off?
 - Distractor
 - Fix Fibula
 - Reduce pilon
 - Pray



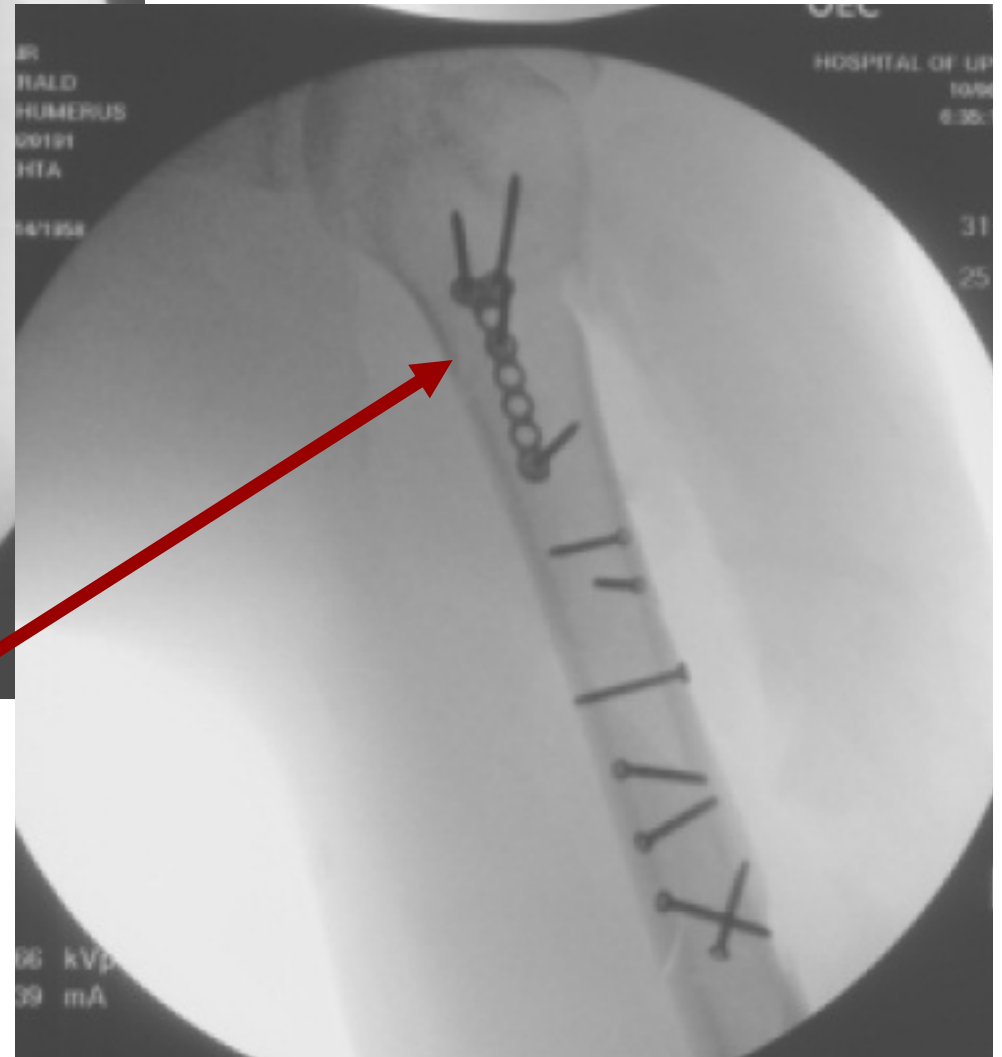


GB: 47 yo m, ETOH, stairs vs arm

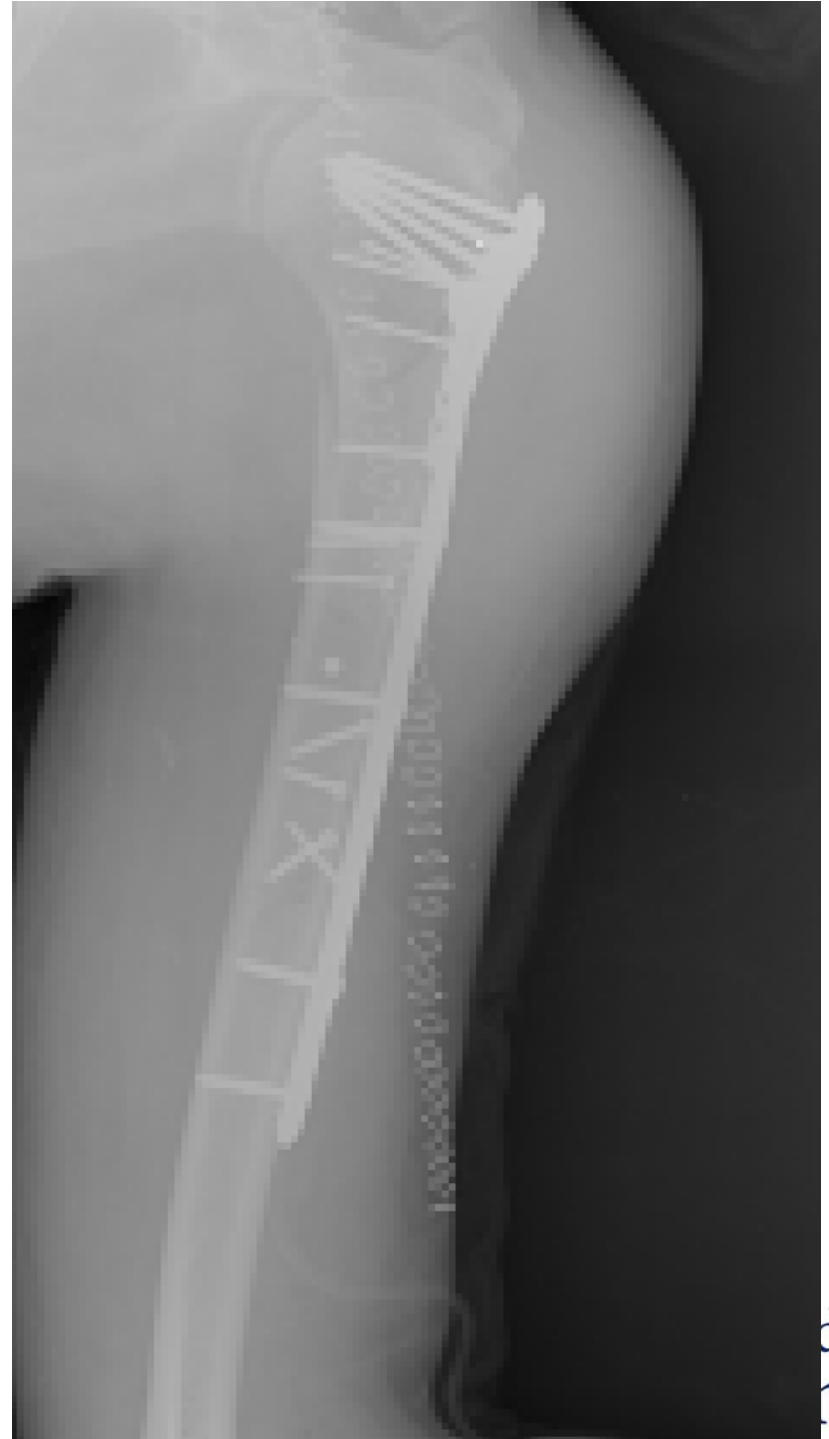
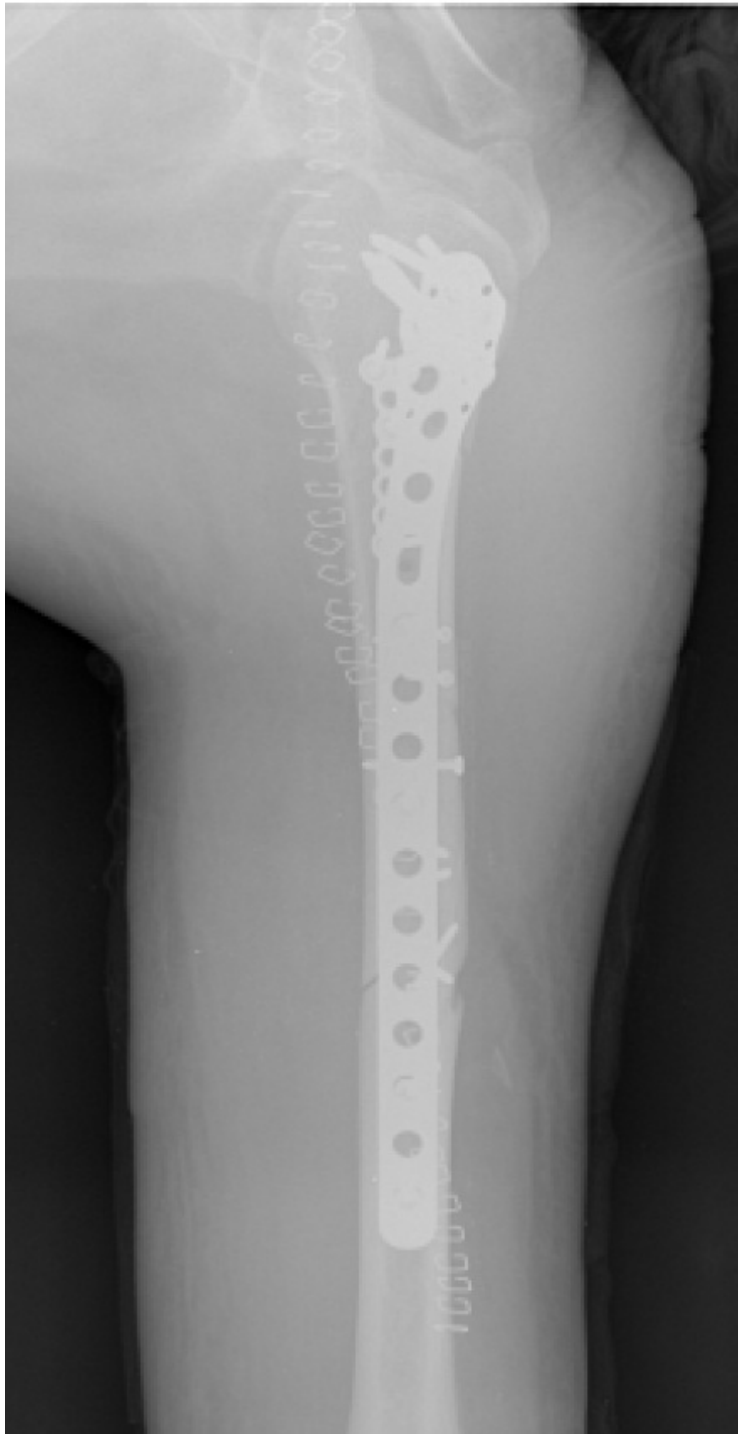




Minifragment screws
Lag by technique
2.7 mm
2.4 mm



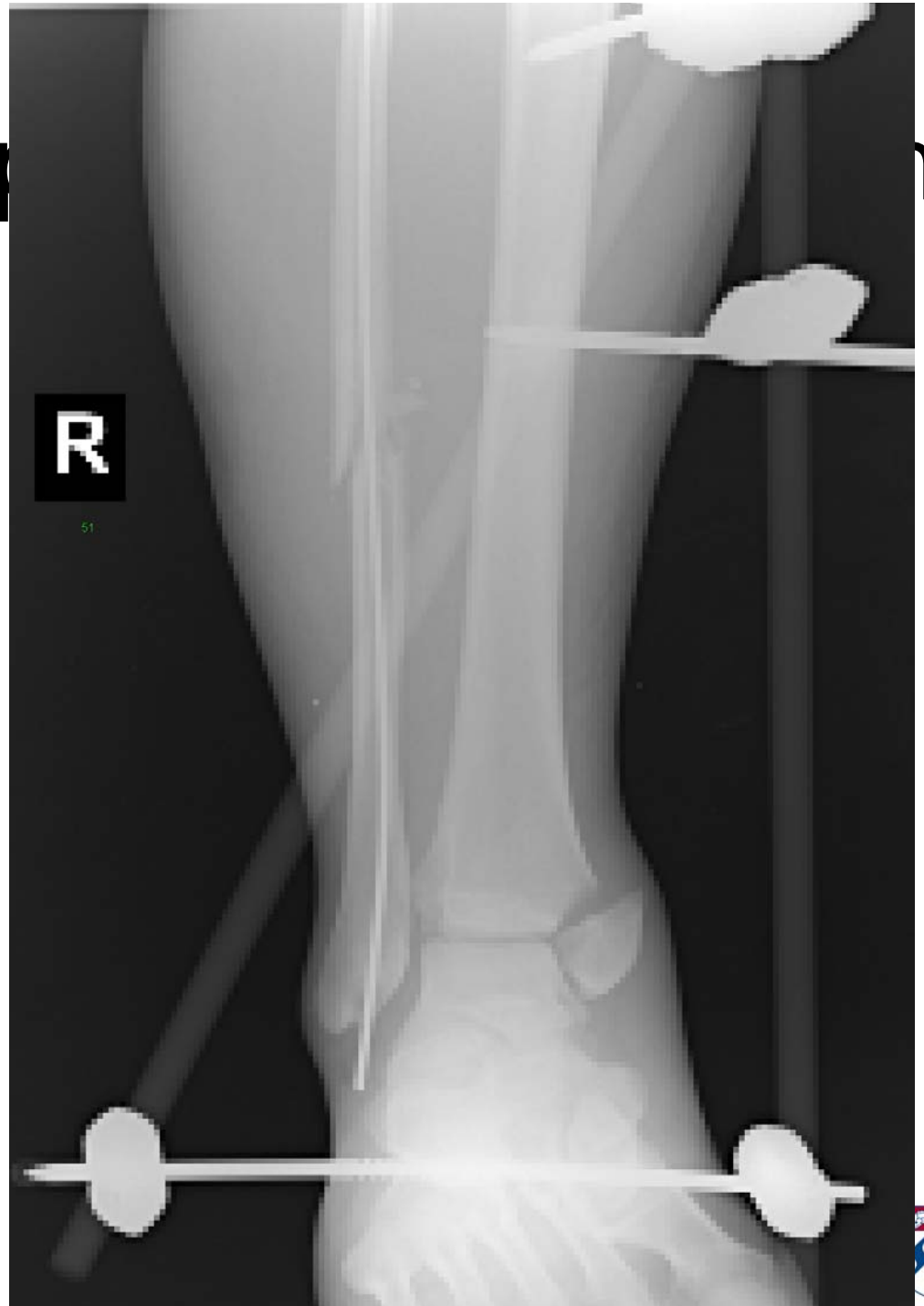
2.4 mm T-Plate
Cut short
Locking screws proximally

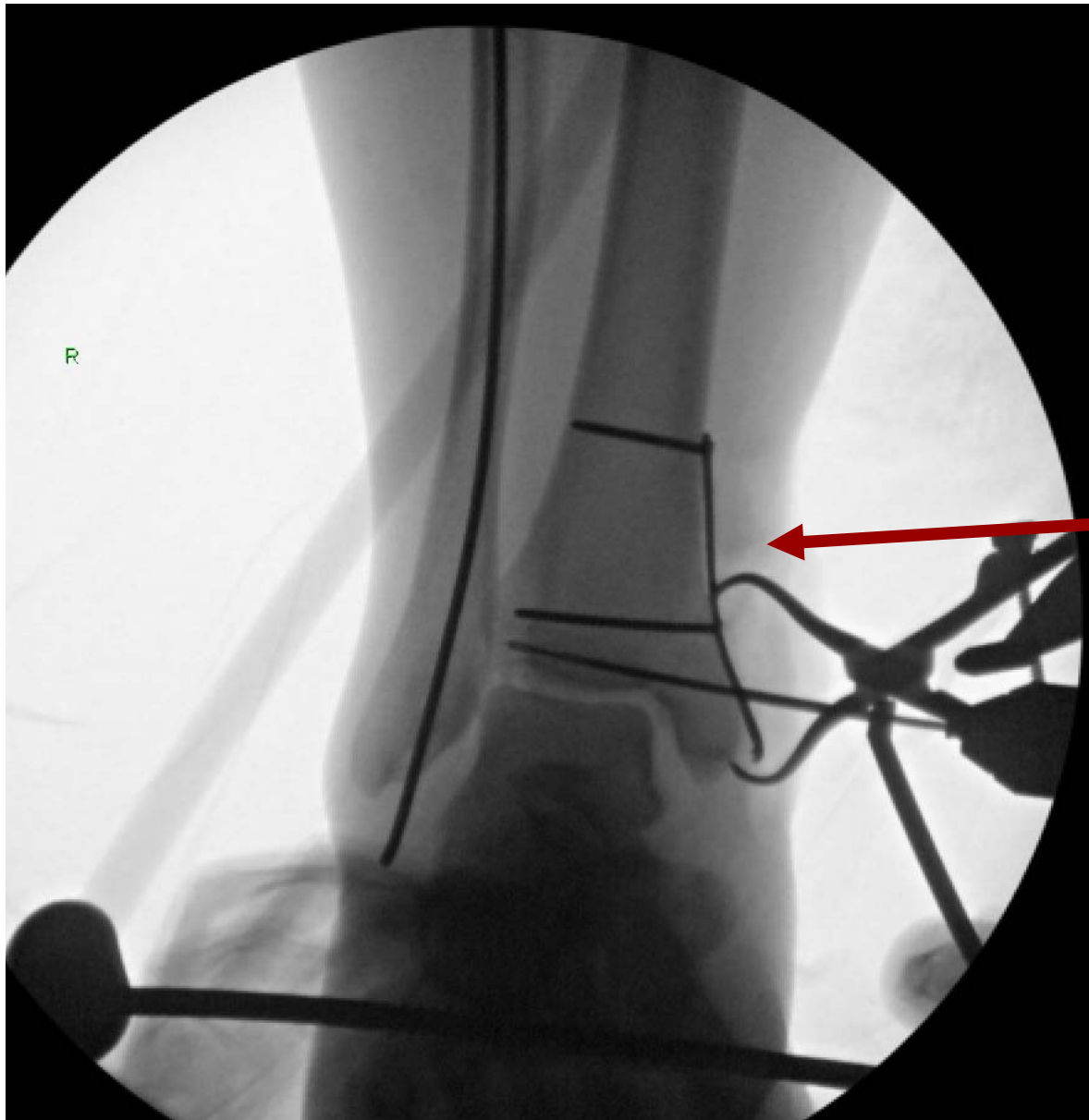


DC: 32 yo m, bipolar, ? mech, open

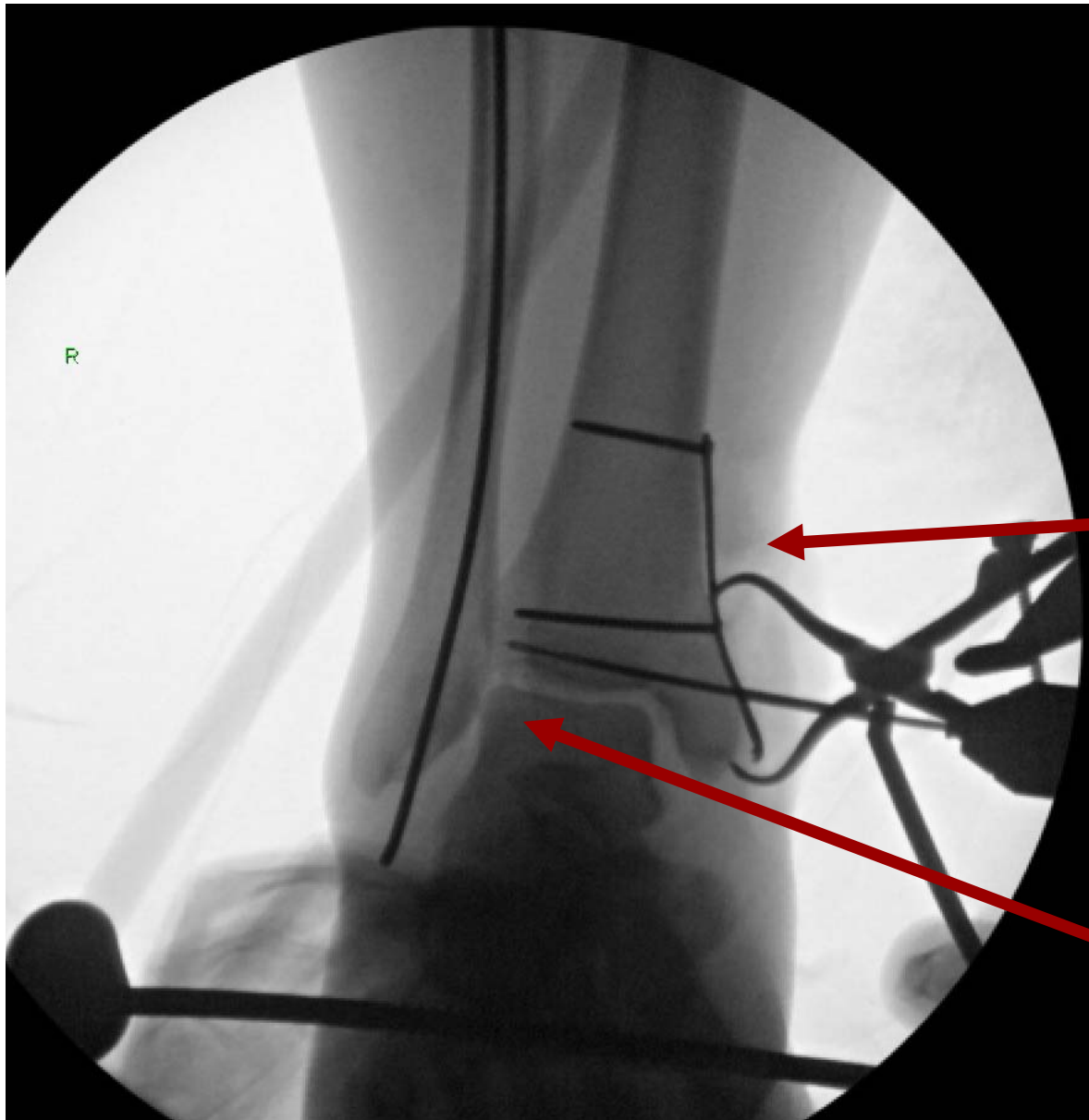


DC: 32 yo m, bip





2.7 mm Tine Plate
Cut short
Flexible



**2.7 mm Tine Plate
Cut short
Flexible**

**Fibula short
Syndesmosis injury**



**2.7 mm Strength Plate
2.7mm 46 and 52 mm screws**



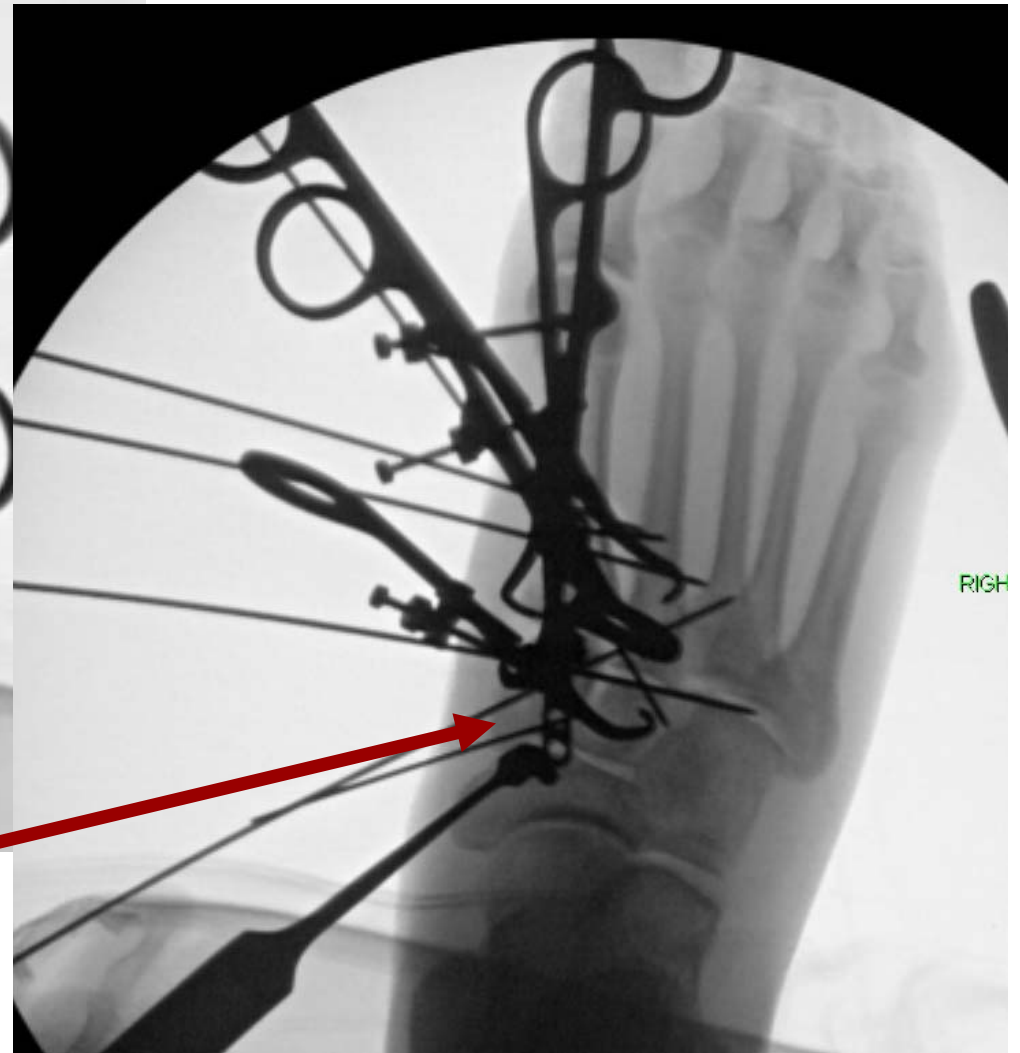
CW: 26 yo f, MVC, foot pain

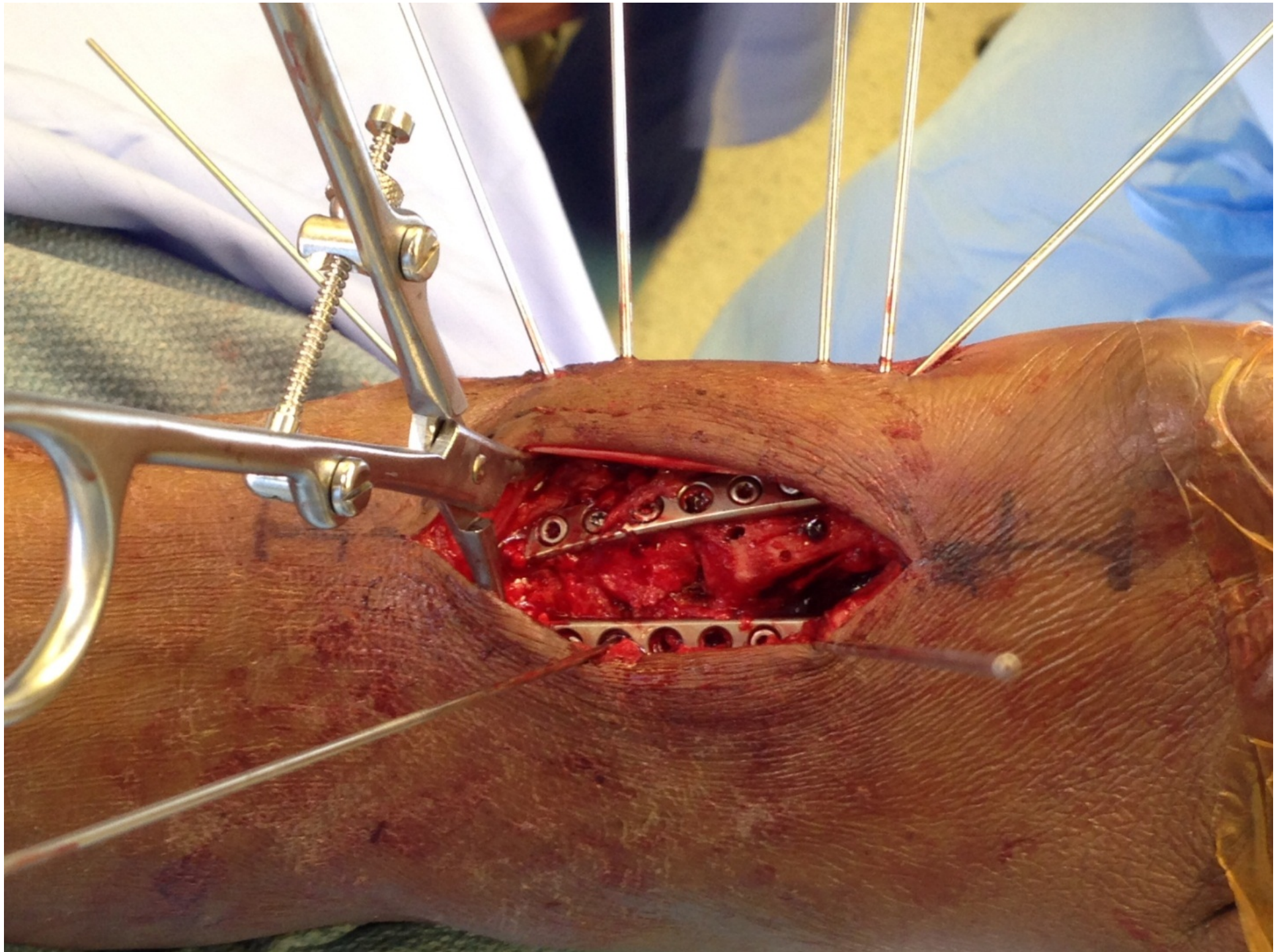


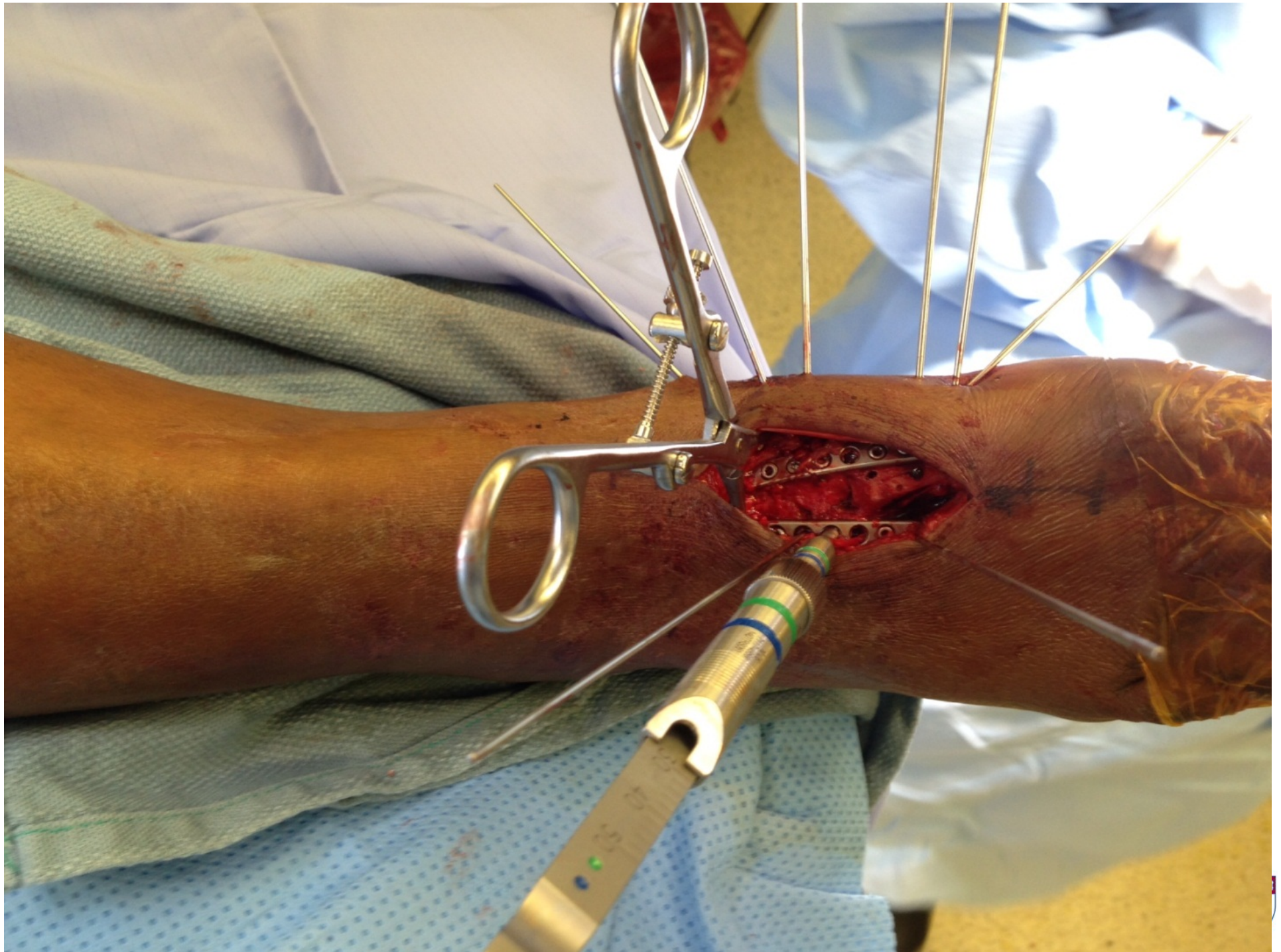


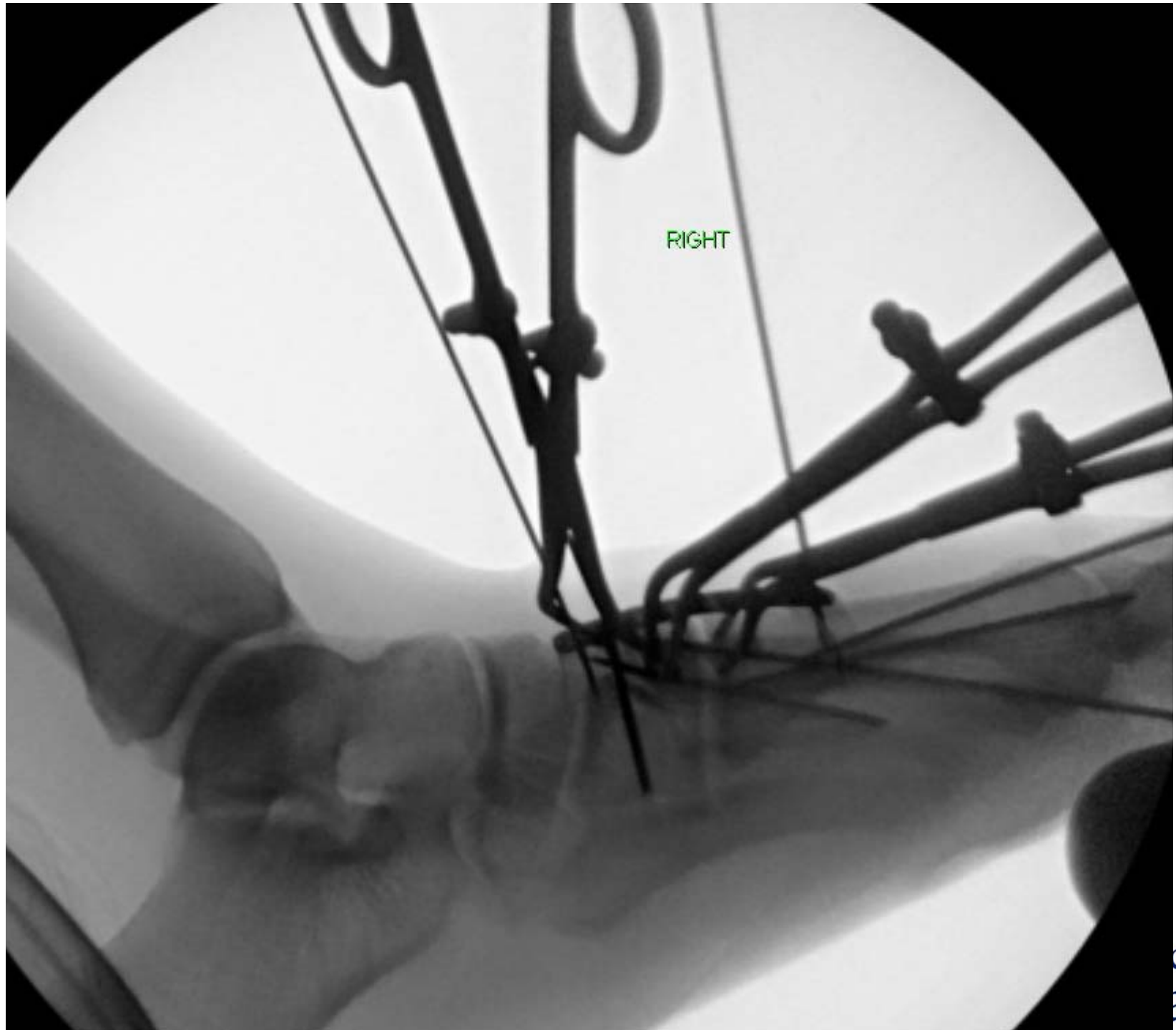


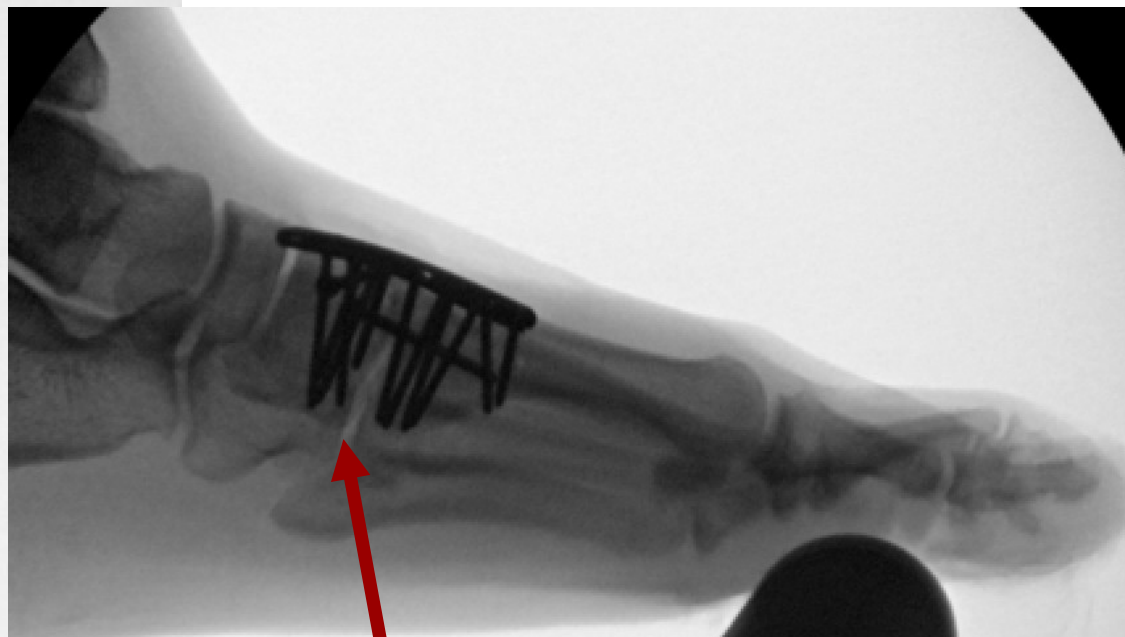
2.4 mm 8-hole Strength Plate











2.4 mm 8-hole Strength Plate
2.4 mm 6-hole Strength Plate
2.7 mm screws

Seeing is
Believing

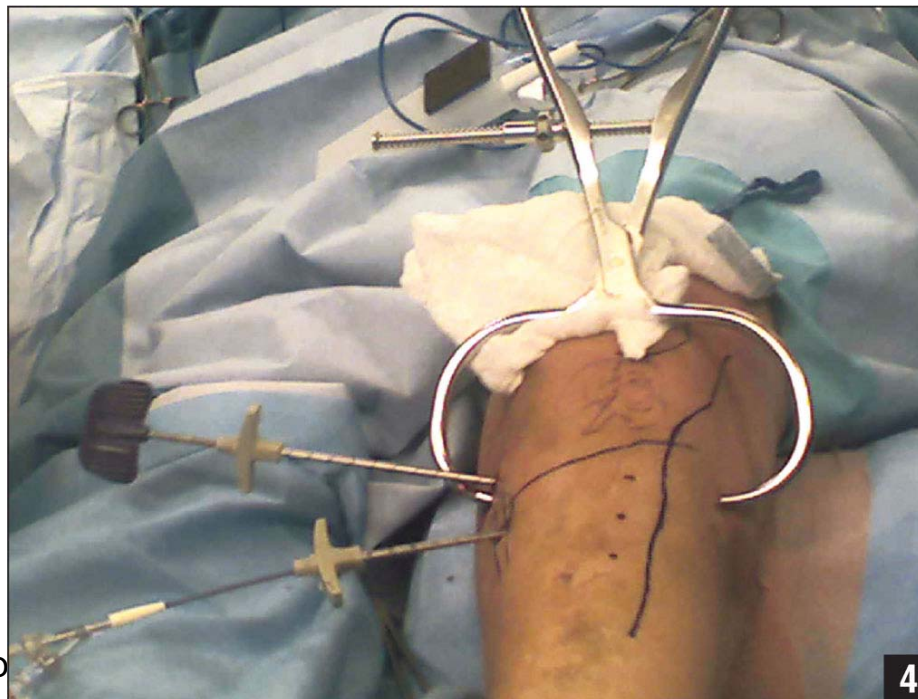


Percutaneous Osteoplasty



Hahnhaussen et al, Orthopaedics 2012

Percutaneous Osteoplasty



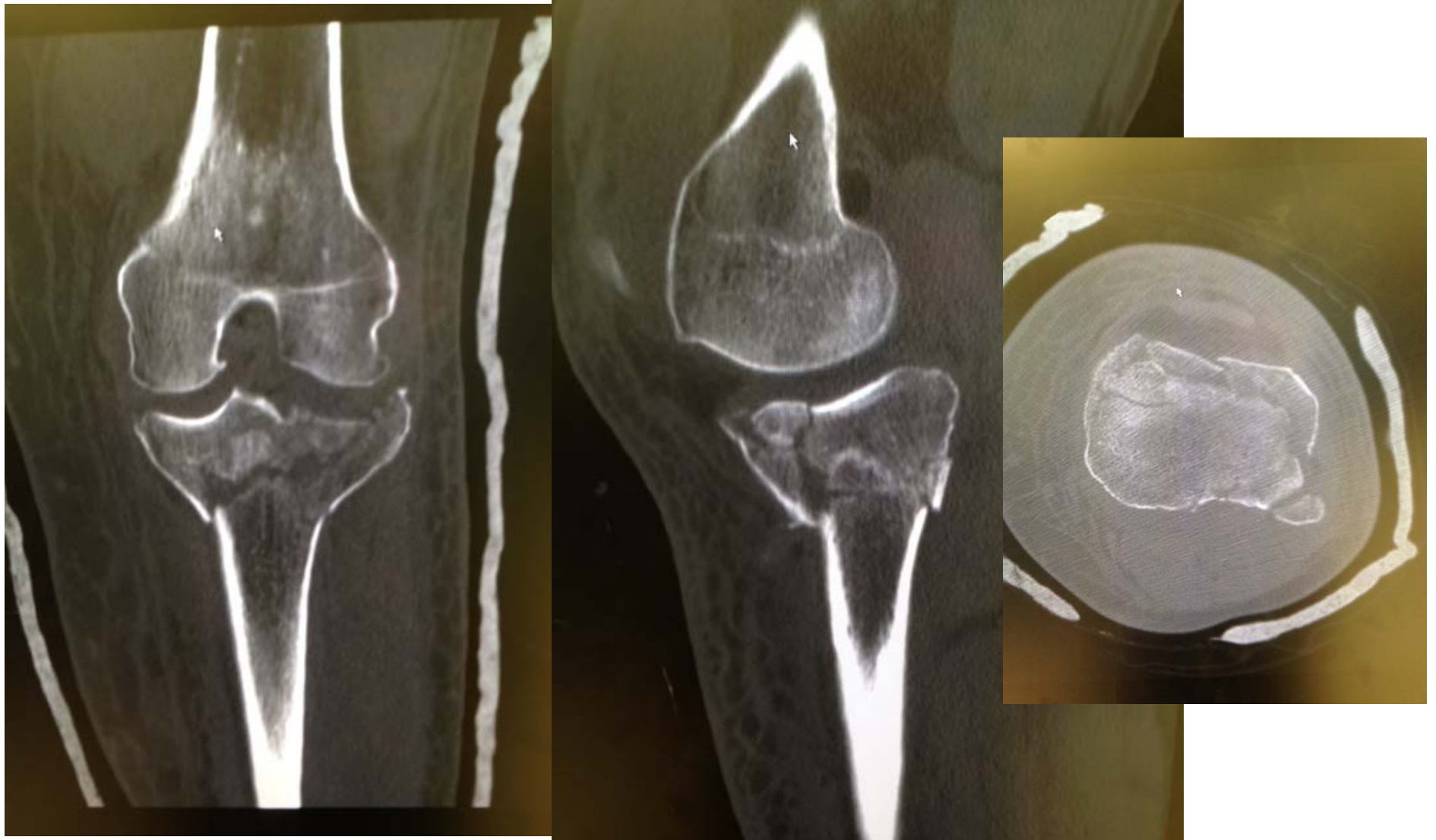
Hahnhaussen et al, Orthop

Percutaneous Osteoplasty



Hahn

Skiing in the Alps



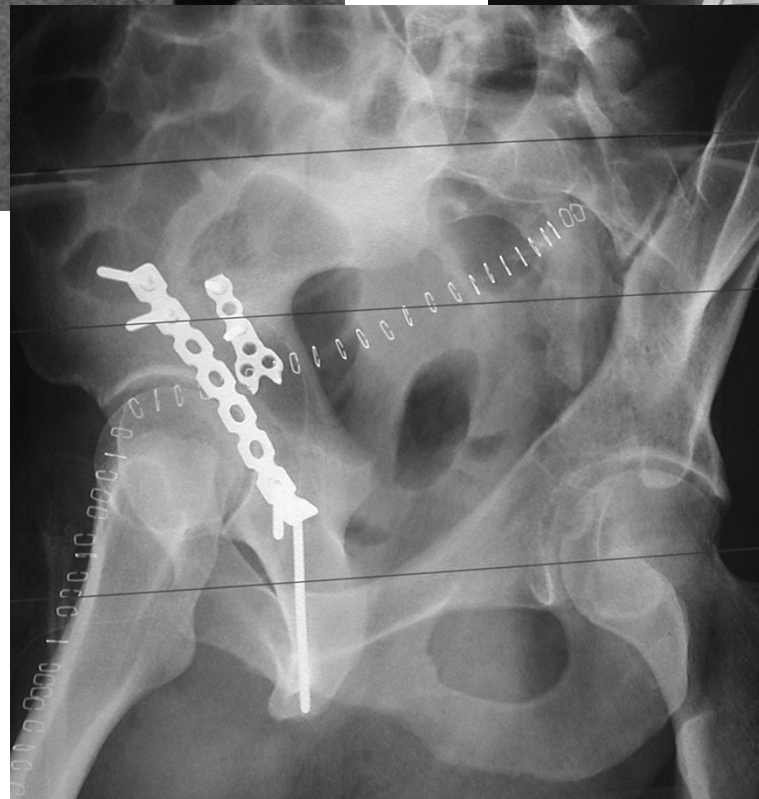
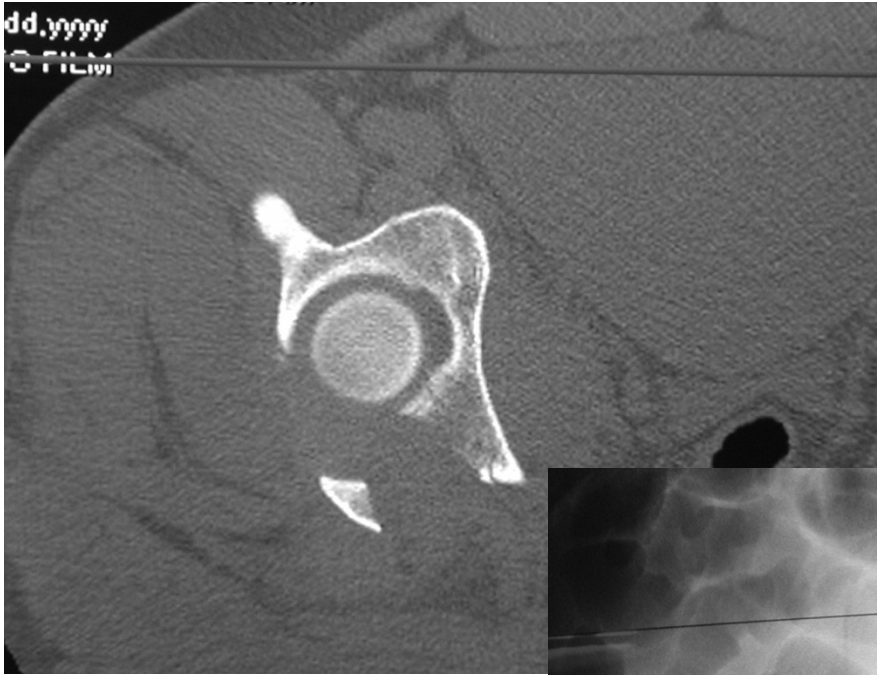




Fall, Knee Pain

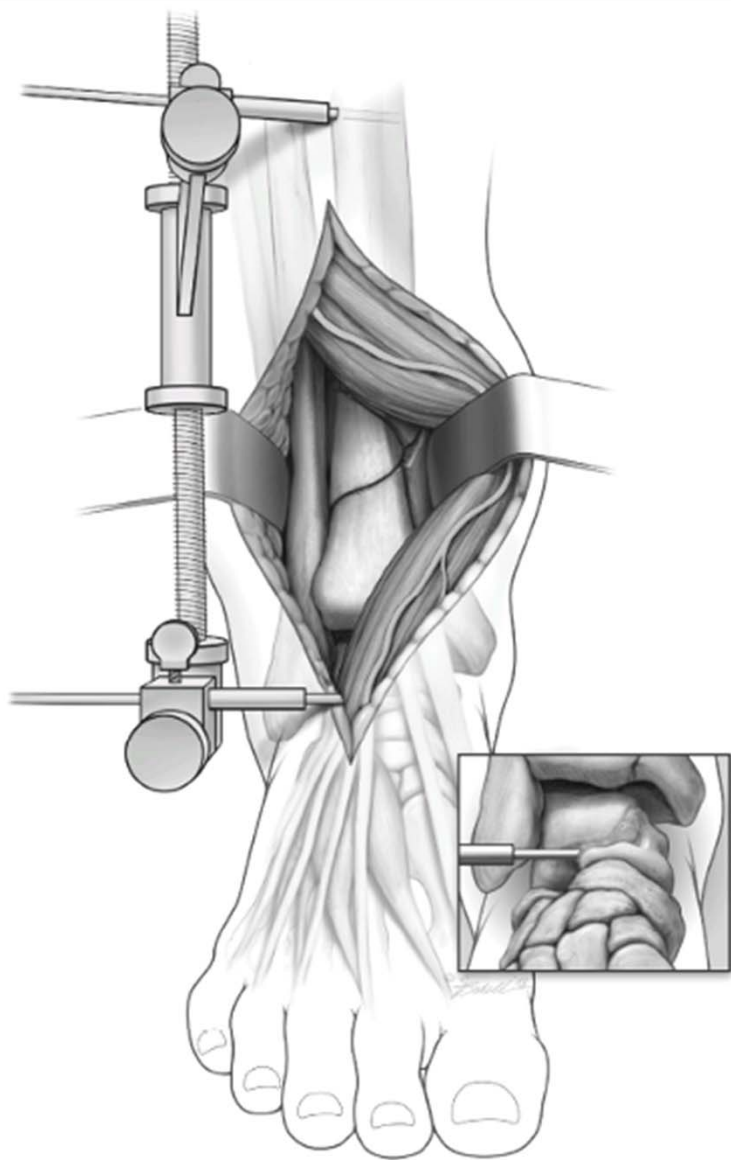


Unstable Hip



To Fix or Not to Fix?





H2416359
9/18/2007

MAN

13:58:34

#0038

R

RDY
SNAP

Avail: 274

3030253/RT

ZIEHM
0120
W255



H2416359
9/18/2007

MAN

13:58:26

#0036

R

RDY
SNAP

Avail: 274

3030253/RT



ZIEHM
0120
W255

Type C Pilon Fx



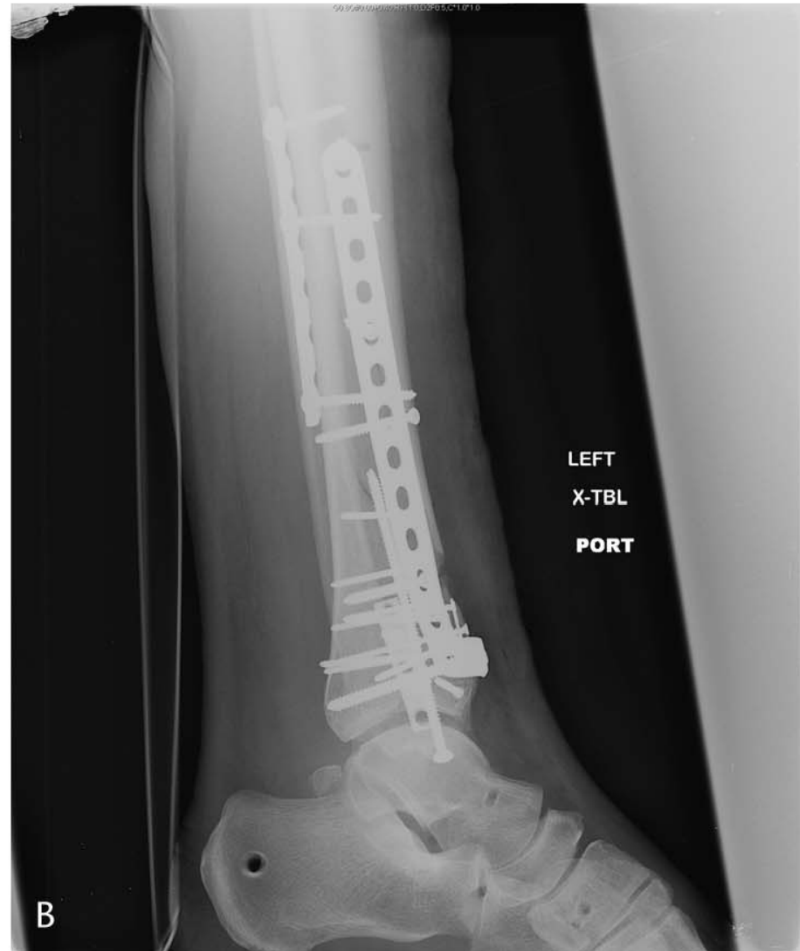
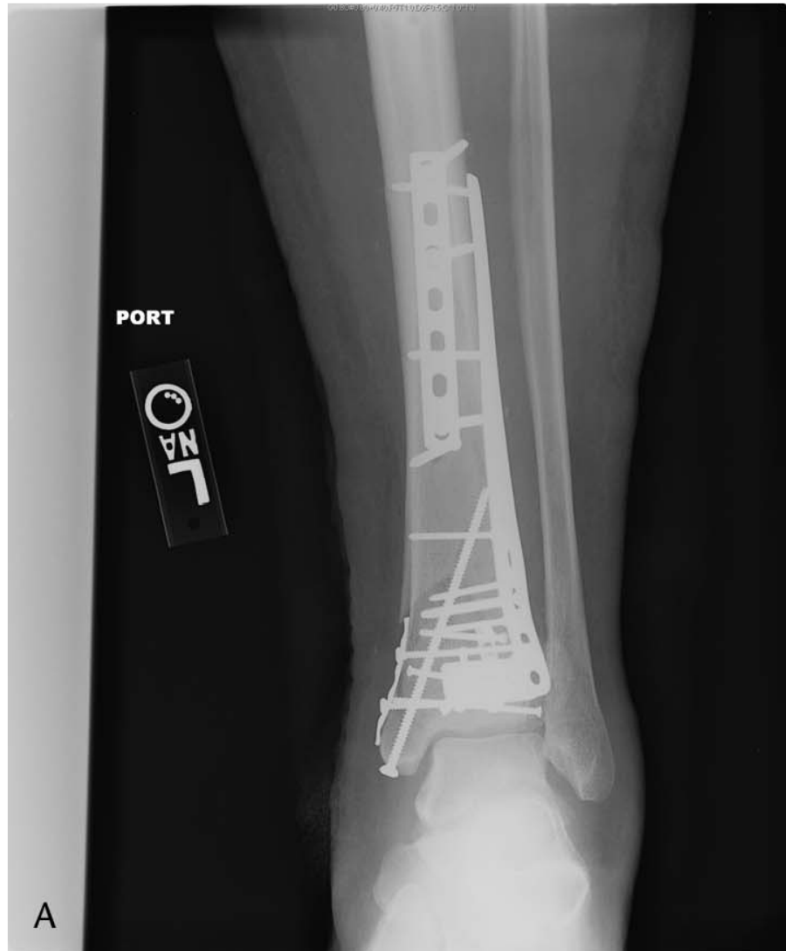
Short Segment Fixation



Type B with Stable Posterior Block



Final Product



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LEFT
PORT
X-TBL

00000000-0000-0000-0000-000000000000

Accessory Articular Reduction

1. Get it Right
2. Stable, Rigid Fixation
3. Direct Visualization
4. Distratction
5. Make it Easier for Yourself
6. Think Small



PENN Orthopaedic Trauma

