

# Proximal Humeral Cases

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**Banner**

**University Medical Center**

**Phoenix Campus**

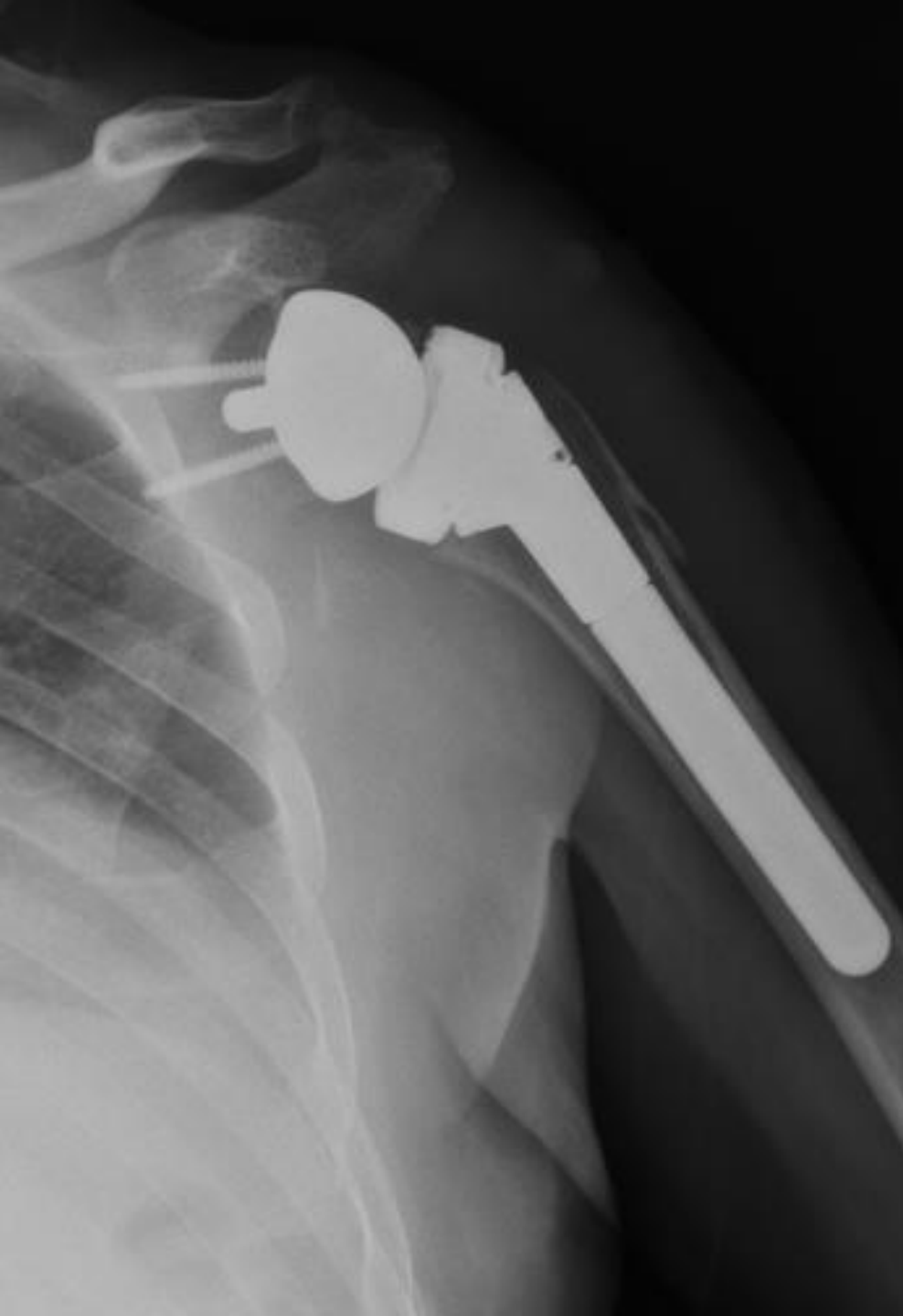
# History

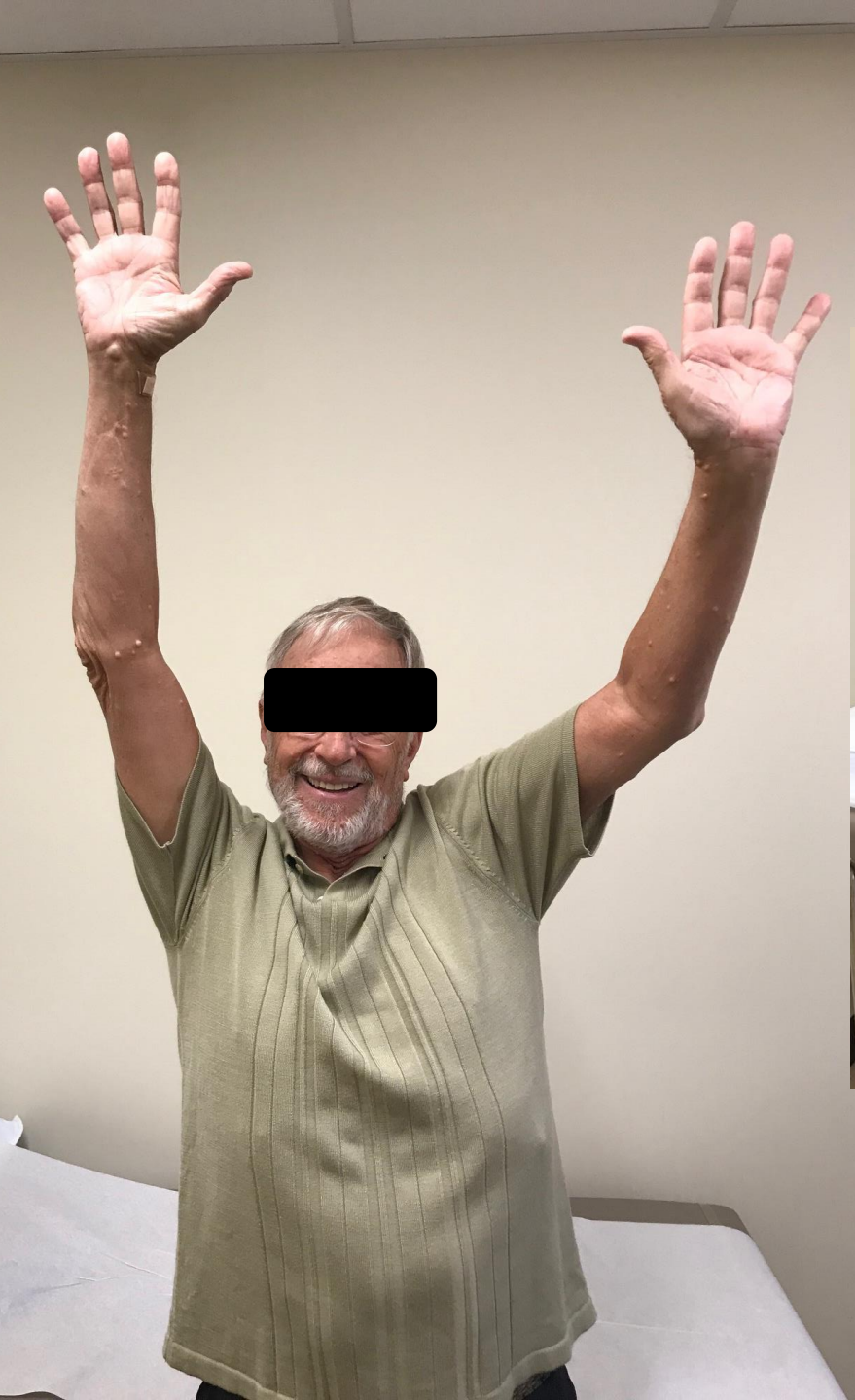
- 68 yr old male
- Fell off roof, pain L shoulder with deformity
- Closed, isolated injury, pulses diminished but present, nerve function unchanged
- Neurofibromatosis II





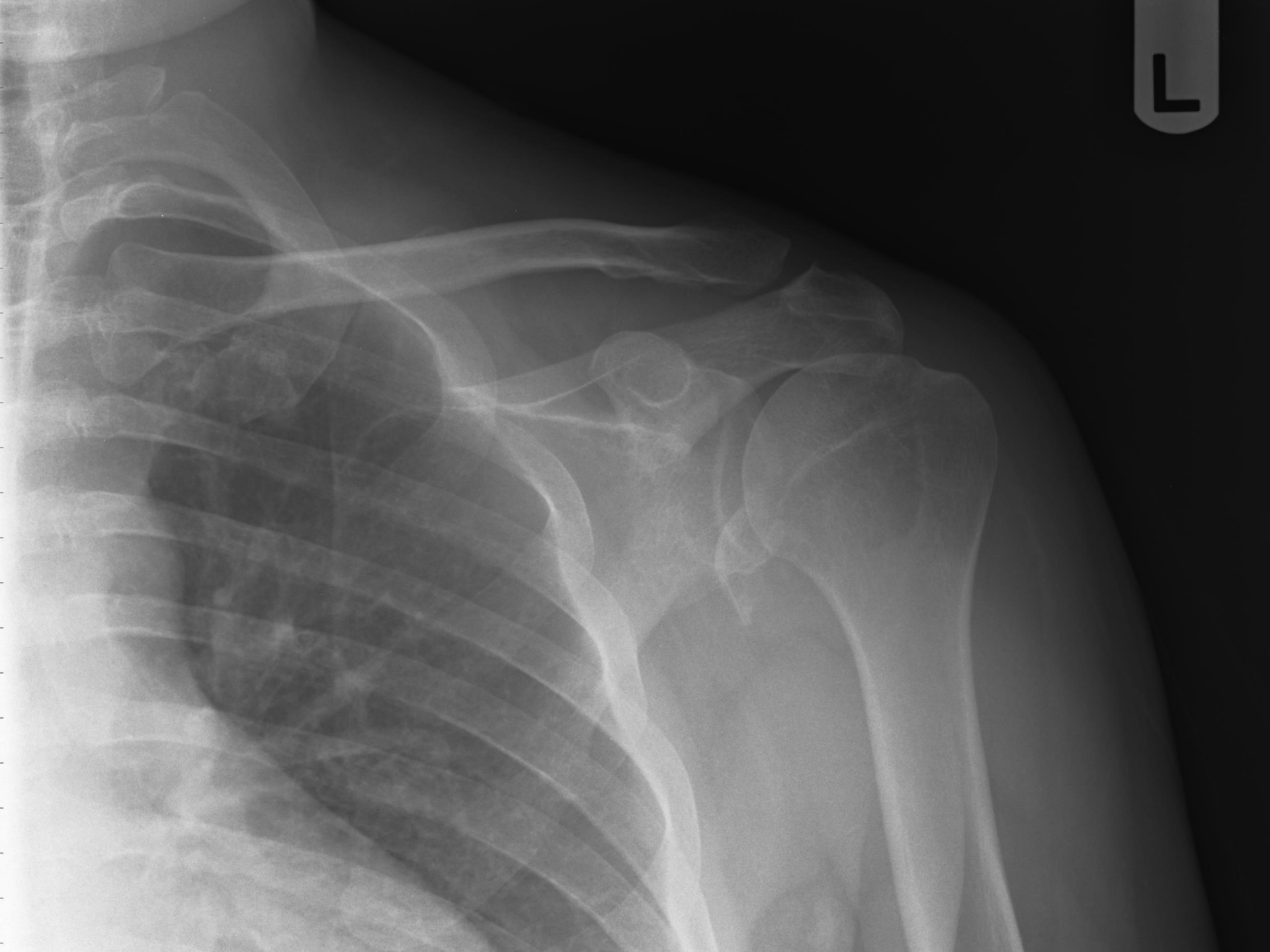






# CASE 6

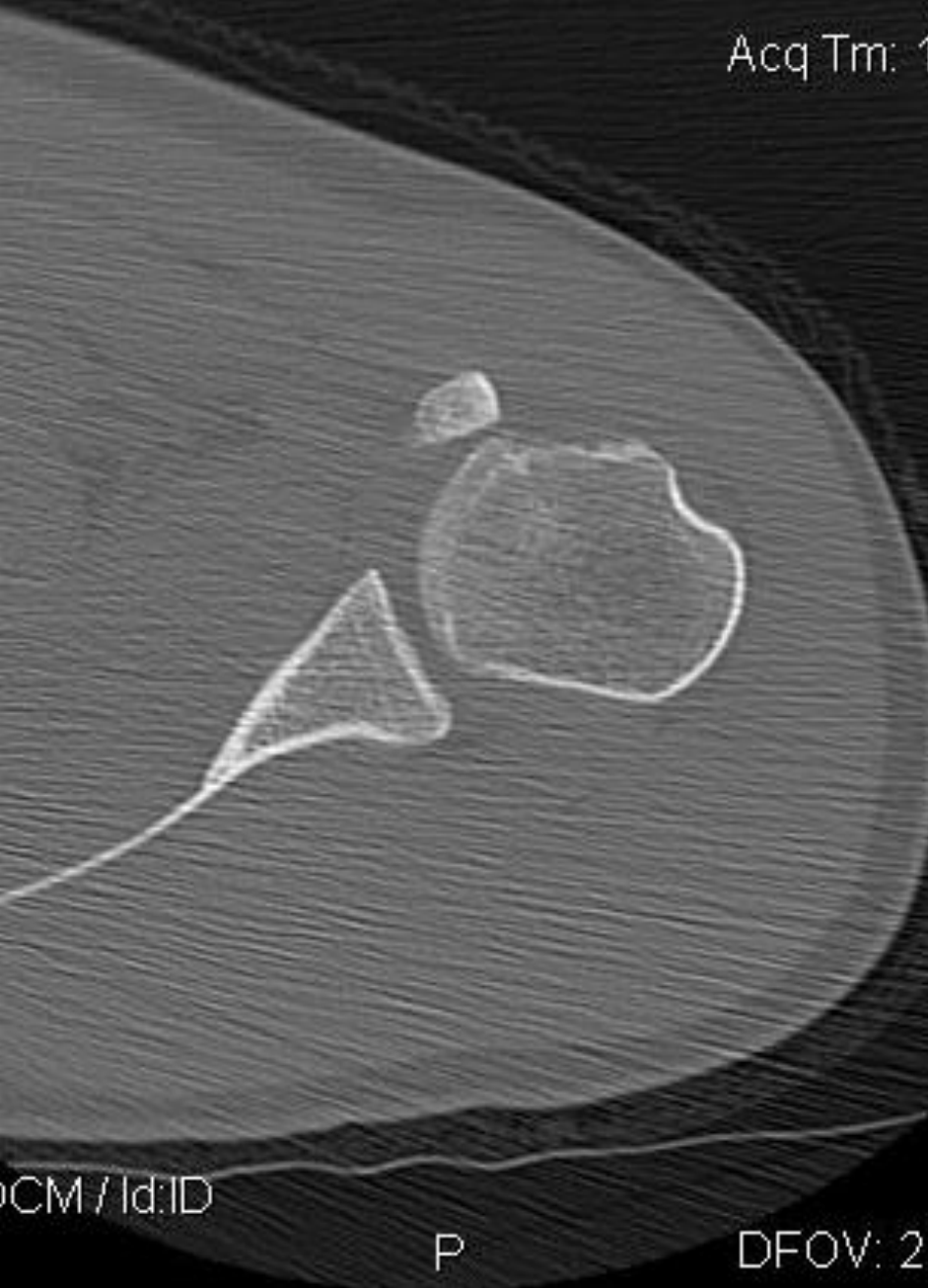
- 42 year old male
- Fall on stairs, caught L arm in staircase
- Dx “Rotator cuff strain”
- Referred for definitive care
- Painful, stiff shoulder
- Closed, isolated, NV intact



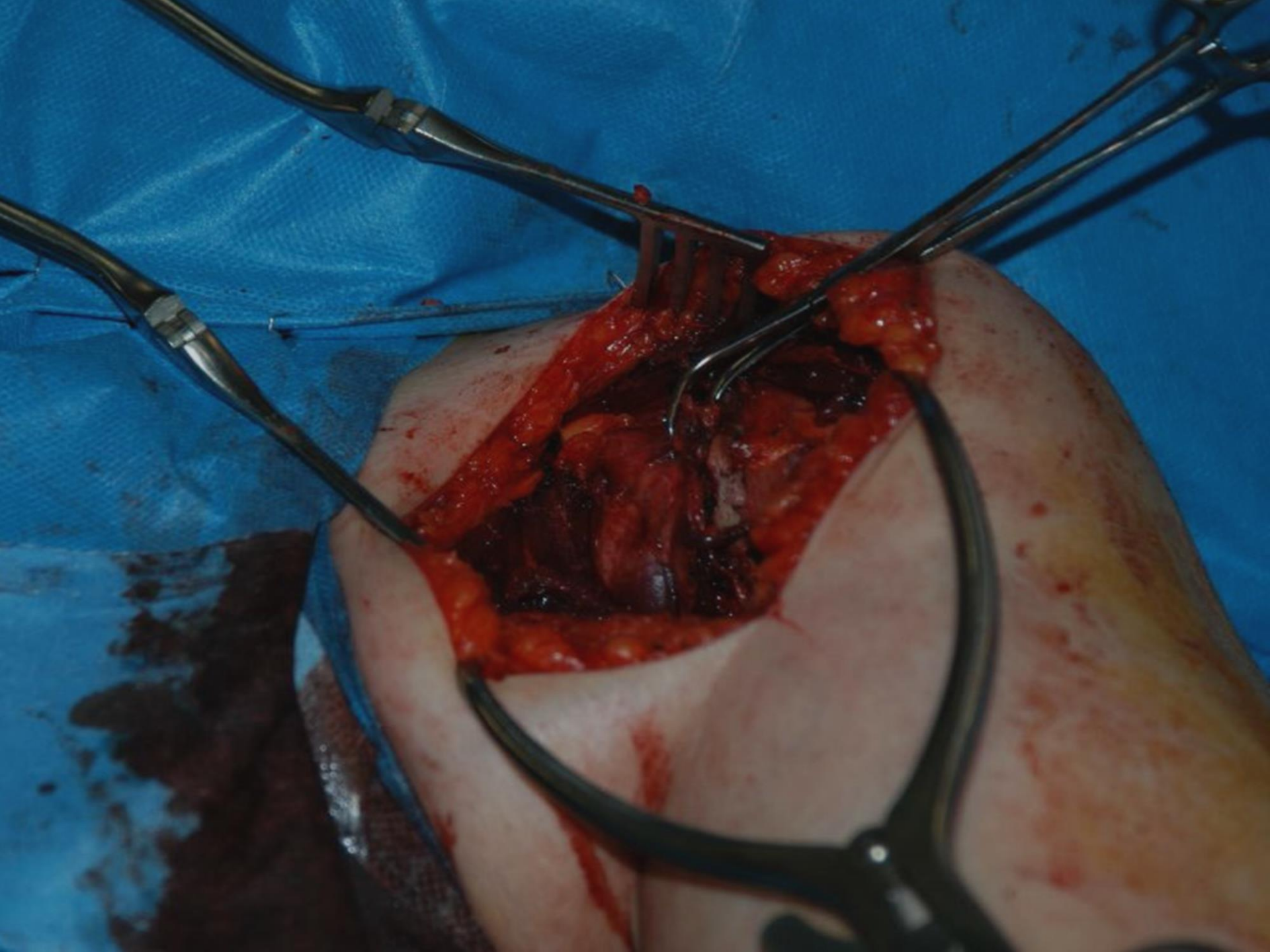
1989 Dec 03 M 36

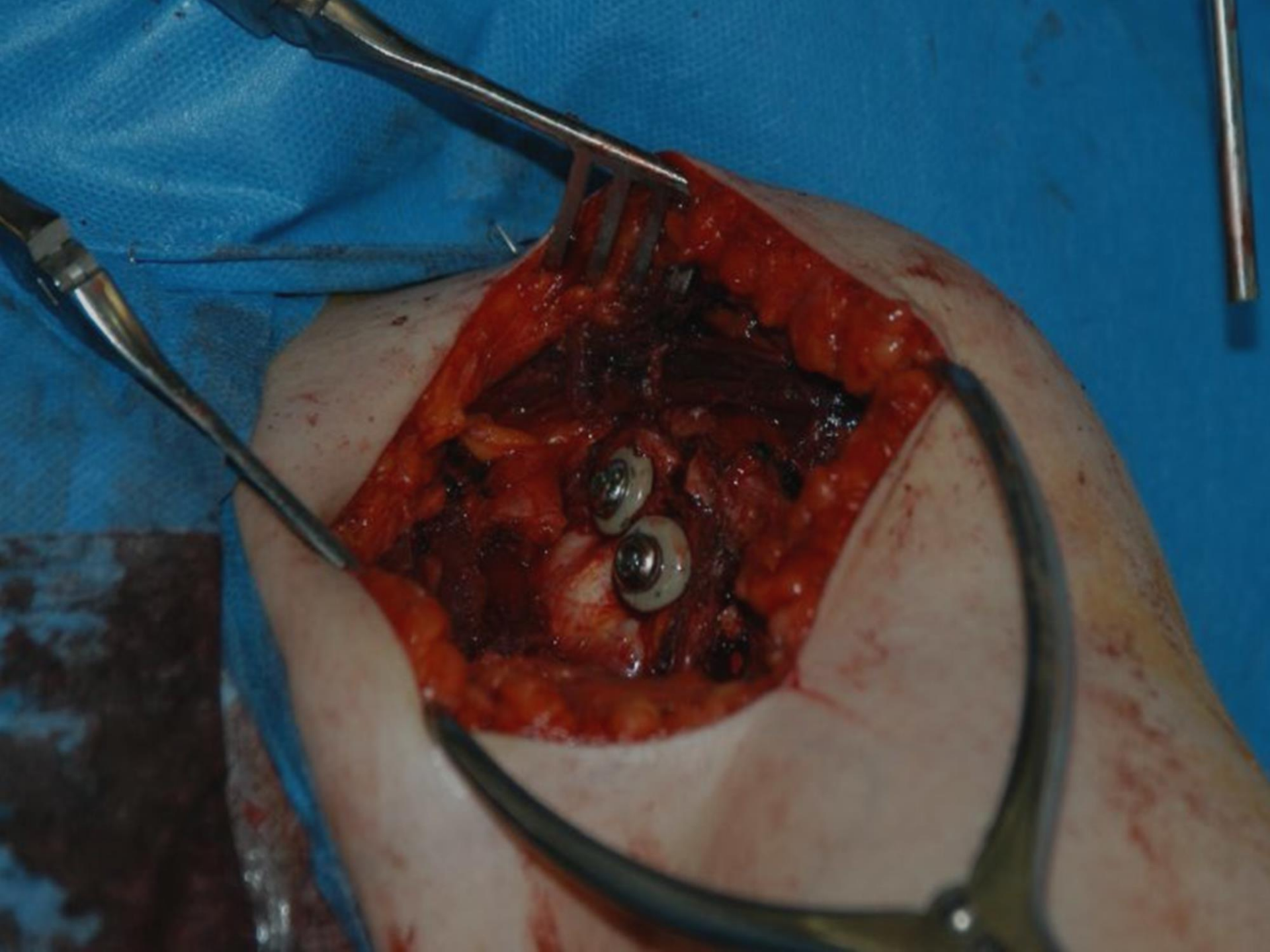
Acc

Acq Tm: 1

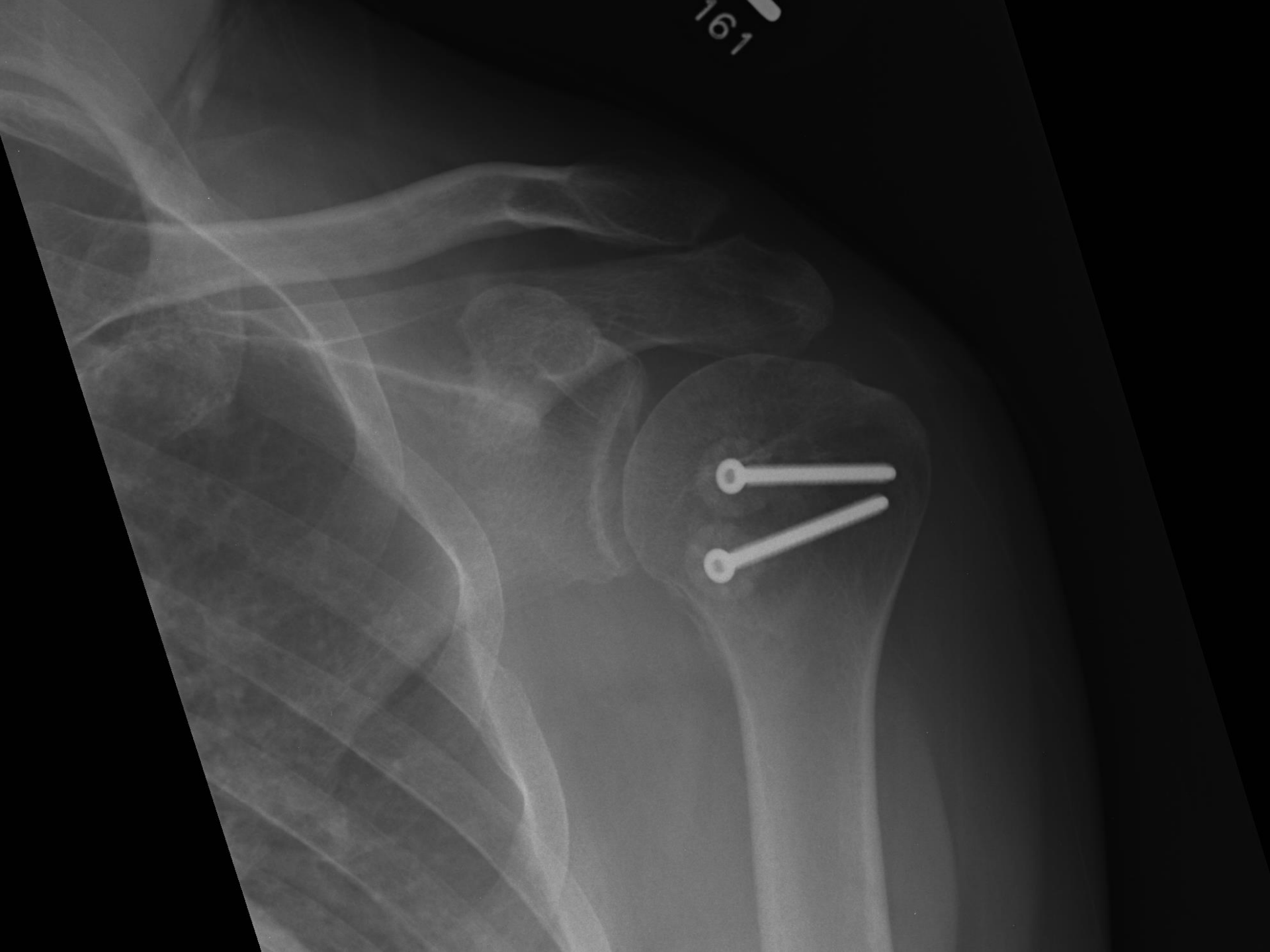




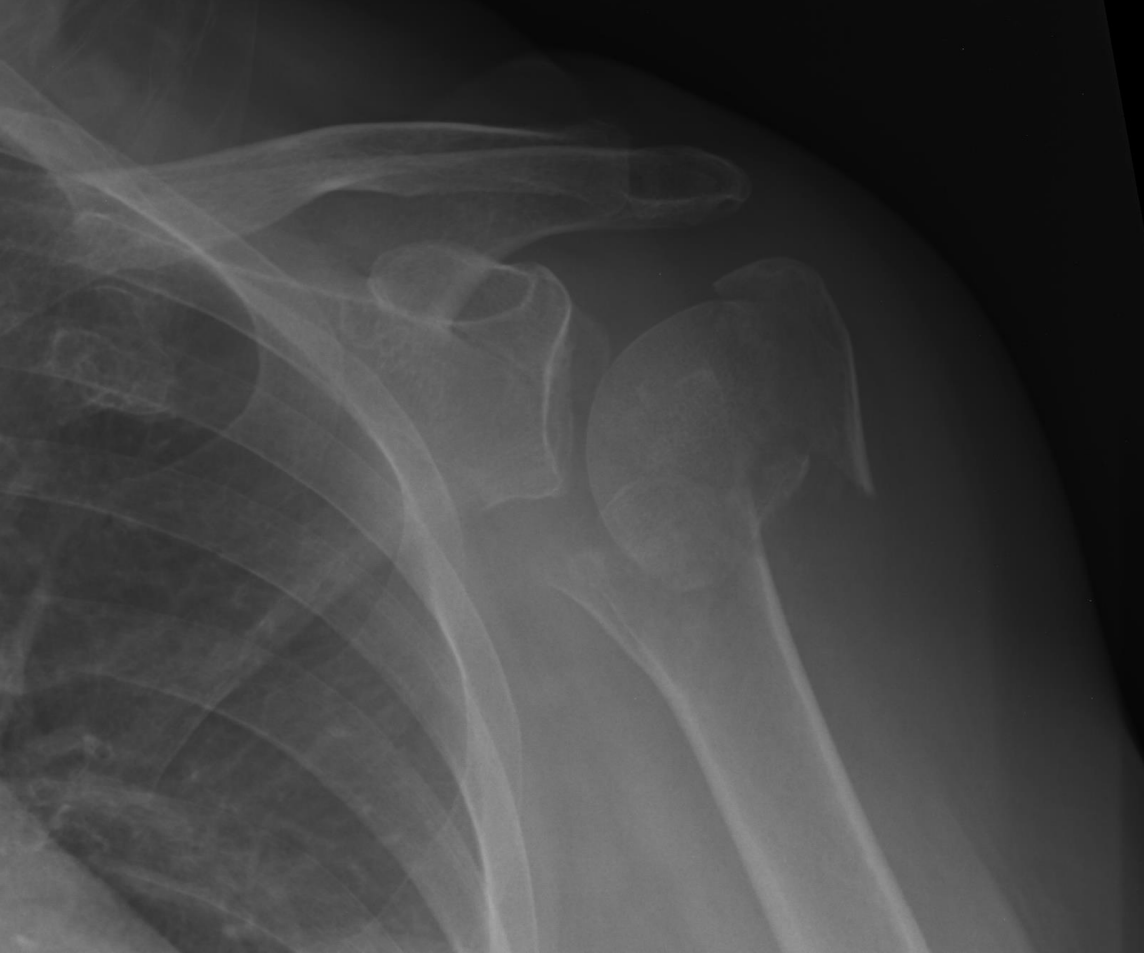




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- **78 yr old female, retired nurse**
- **Lives by self, active, stable medical conditions (hypertension, cholesterol)**
- **Isolated, closed, NV intact injury to left shoulder**





- **10 weeks post injury**
- **130 degrees flexion**
- **Minimal pain, fully functional**

# **41M, proximal humerus fracture-dislocation**

- **Associated axillary nerve injury**
- **Biceps tendon laceration**
- **No significant past medical history**
- **Non-dominant side**
- **Mountain biking fall (3 hours prior to arrival at ER)**

**12/29/19**

BANNER UNIVERSITY PH  
Shoulder 2 Or More Views L  
AP EXT RO

12/29/2019 6:26:09 PM

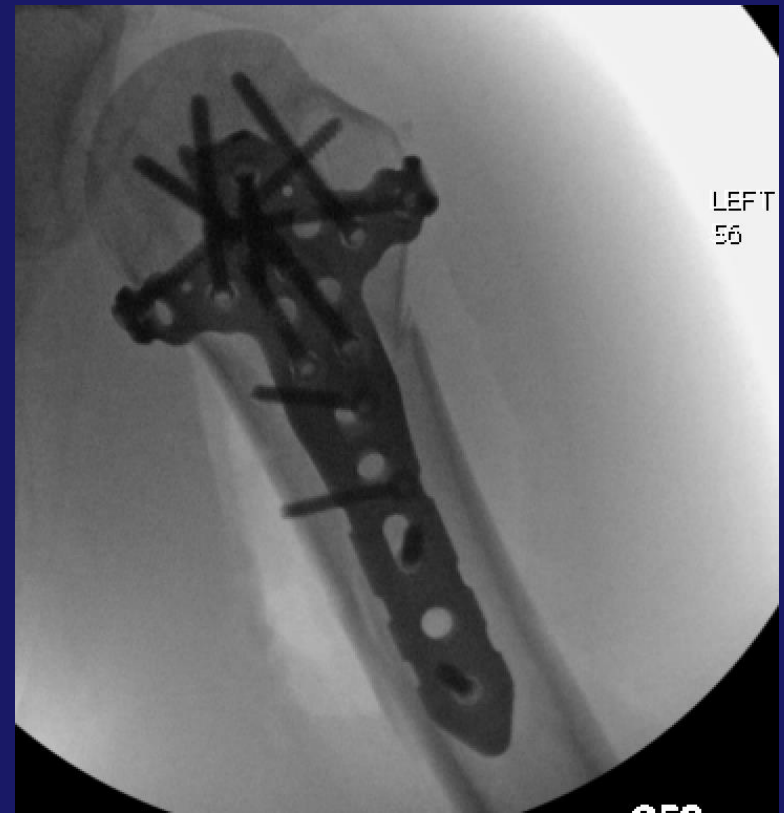
4007261

UPRIGHT

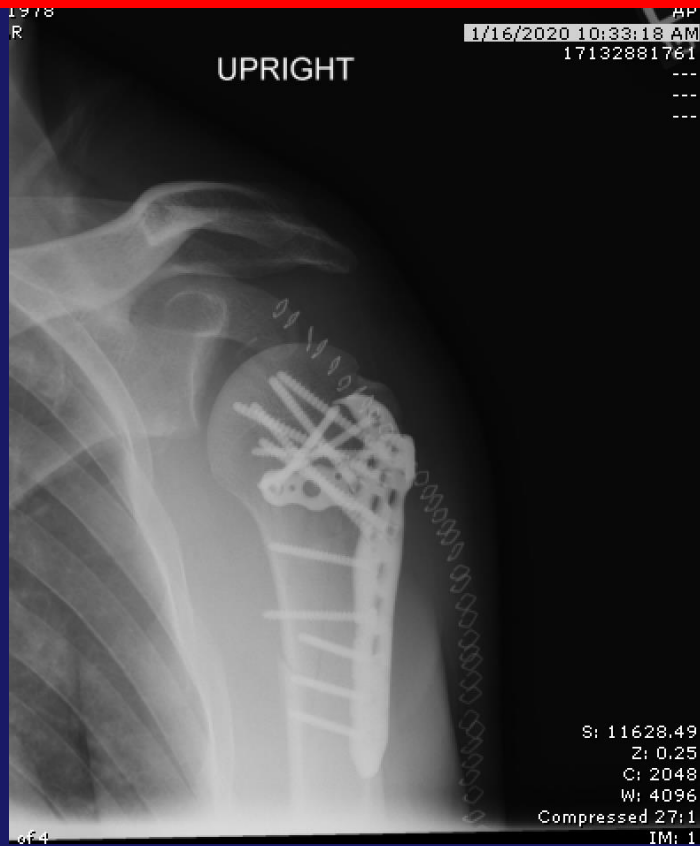
S: 10759.3  
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C: 204  
W: 409



# OR on 12/30/19



**1/16/20**



# 7/22/20



# Outcomes – 7/22/20



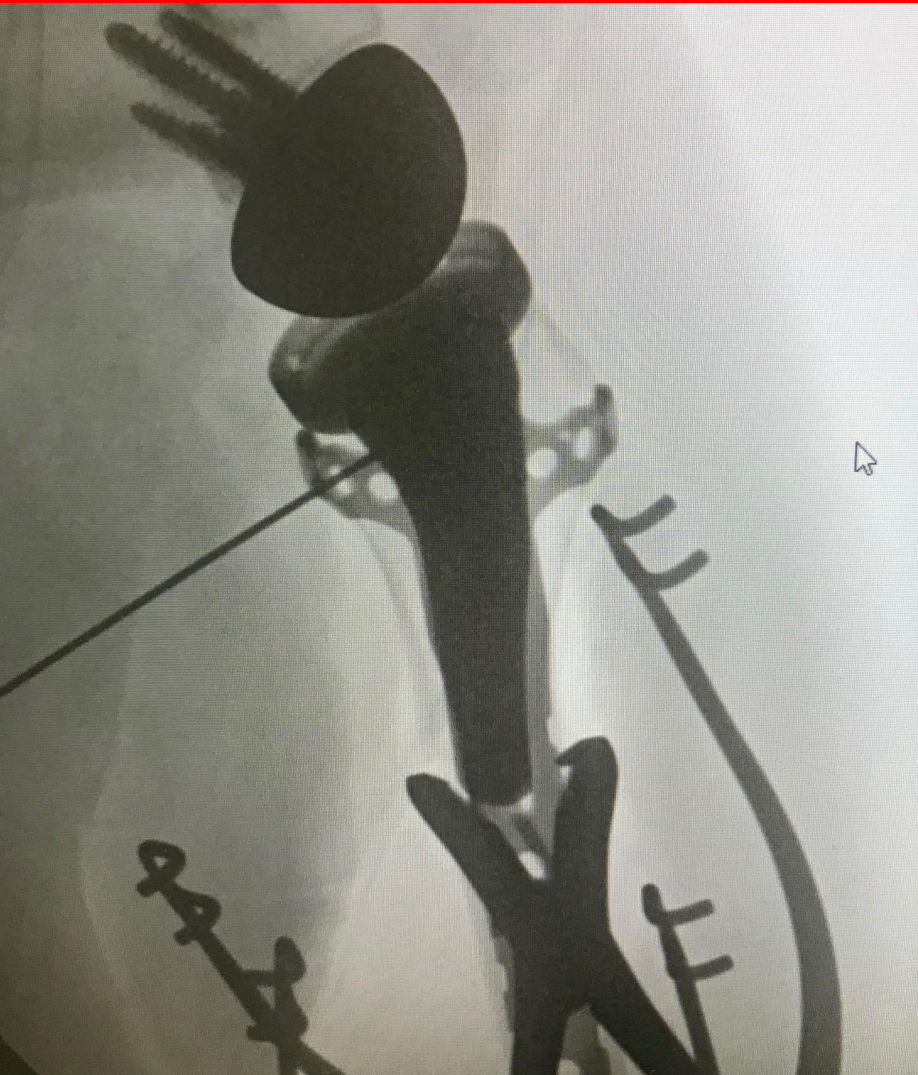
# **Upper Extremity Periprosthetic #**

- **58 yr old female**
- **12 months post short stem reverse TSA**
- **Was doing well prior to fall**
- **Fall from a standing height**
- **Closed, no nerve / vessel injuries**
- **Isolated injury**
- **Otherwise stable**

# Preop Imaging



# Intra-op radiographs



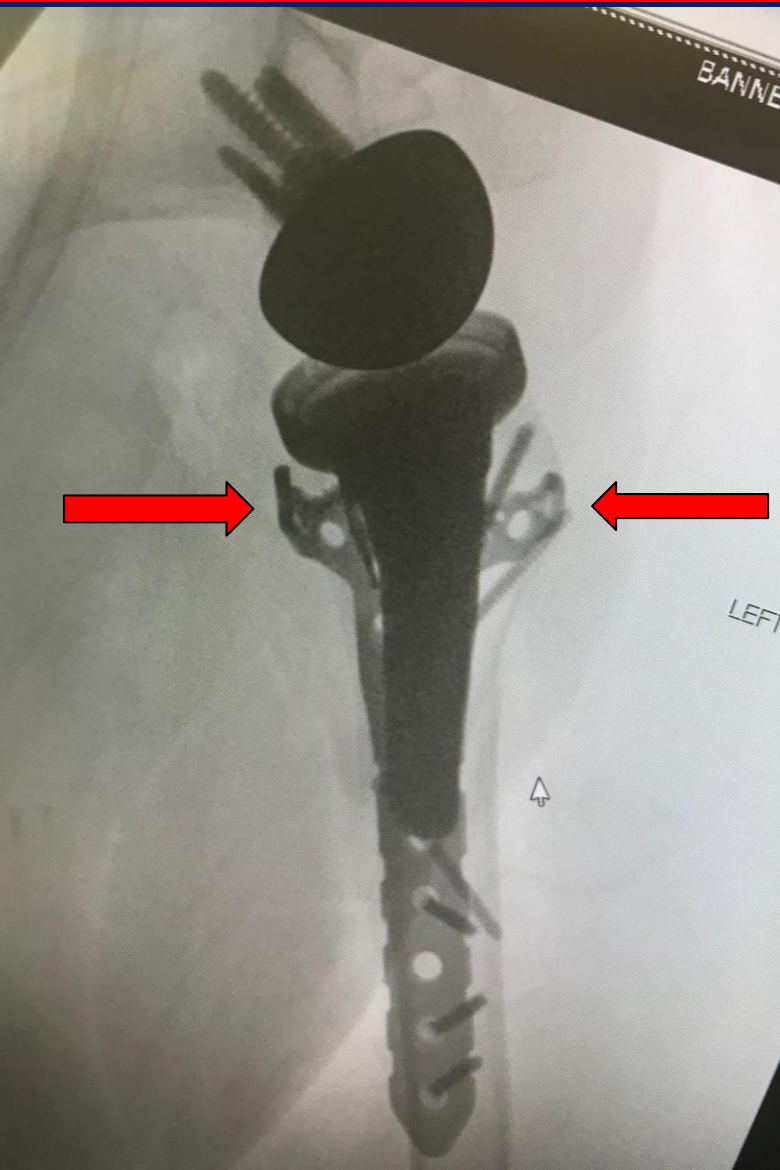
- Deltopectoral approach
- No sign of infection
- Stem solid
- Fracture reduced
- Provisional pinning
- Plate application

# Intra-op radiographs



- Contour of proximal flanges to bone
- Non-locking screws initially to approximate plate to bone
- Locking screws to enhance fixation

# Intra-op radiographs



- Intra-operative contour of flanges to bone “embraces” proximal fragment
- Stabilizes proximal fragment where fixation is often limited