



Glenoid & Scapula Fxs

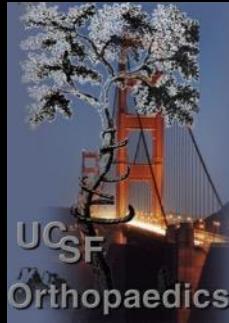


Utku KANDEMIR, MD

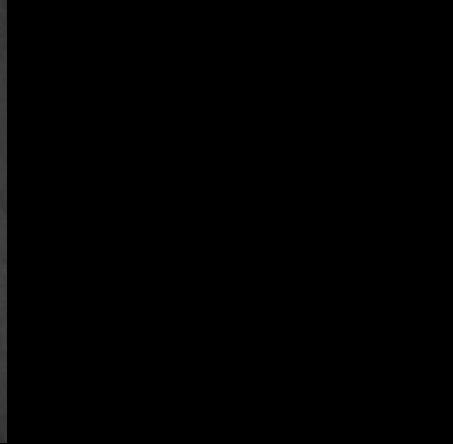
Professor

University of California, San Francisco


Orthopaedic Trauma Institute
UCSF + SAN FRANCISCO GENERAL HOSPITAL



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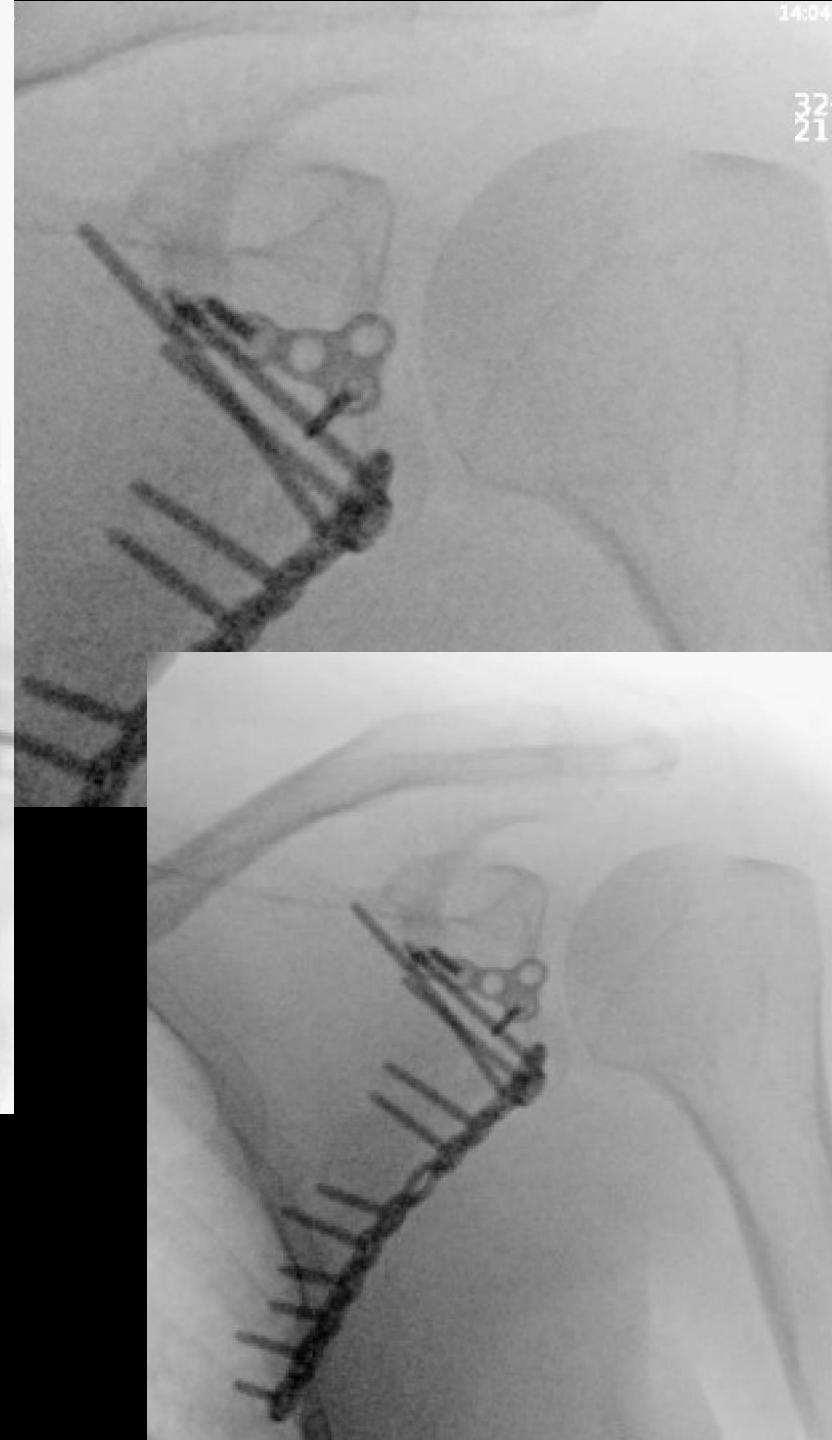
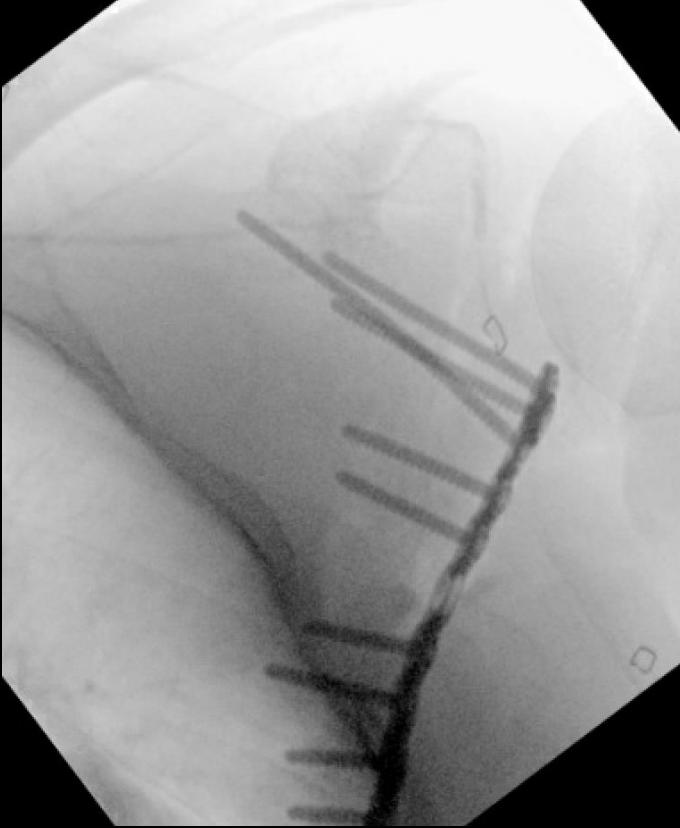




Fig. 1.

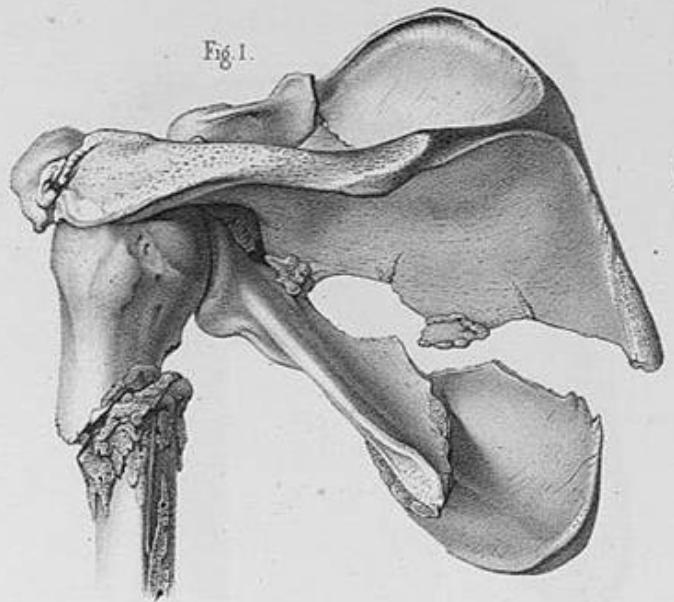


Fig. 3.

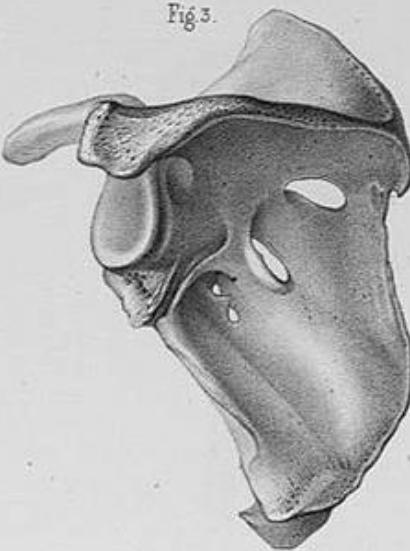


Fig. 2.

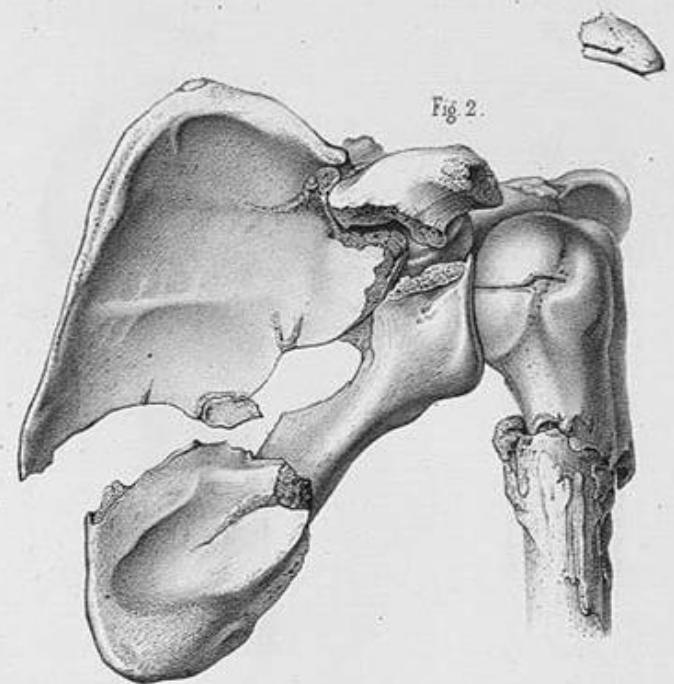


Fig. 4.

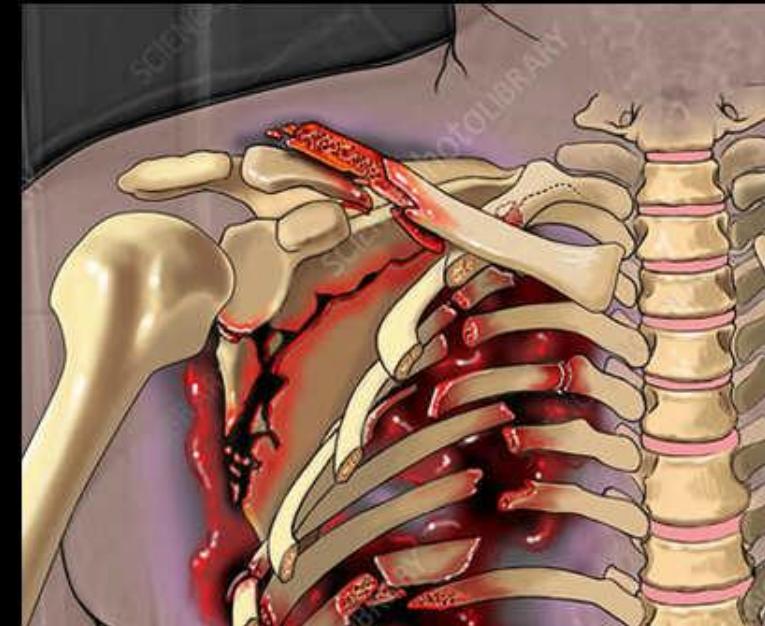


FRACTURES.

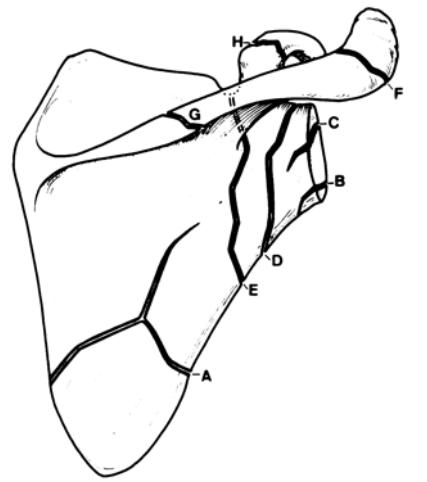
Fractures de l'Omoplate et du Col de l'Humerus.

Associated Injuries

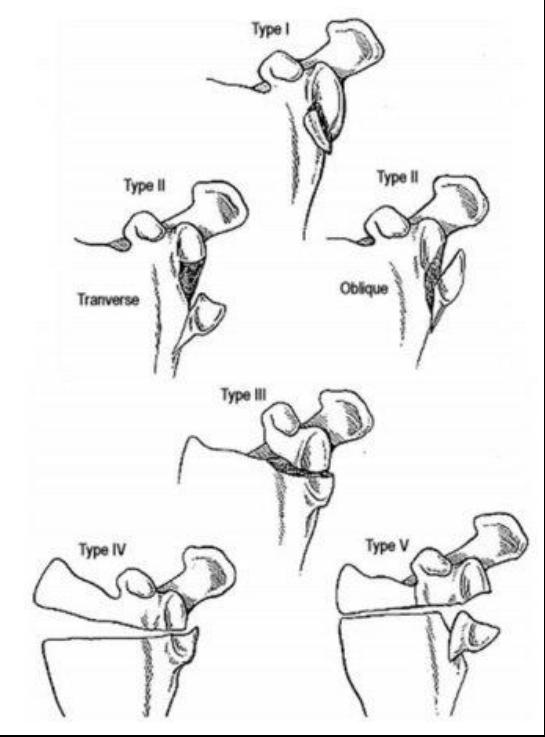
- 95%: High energy!
 - Ribs, clavicle,
 - Hemo/Pneumothorax
- 50 % ipsilateral extremity
- 15% C-spine
- 15% TBI



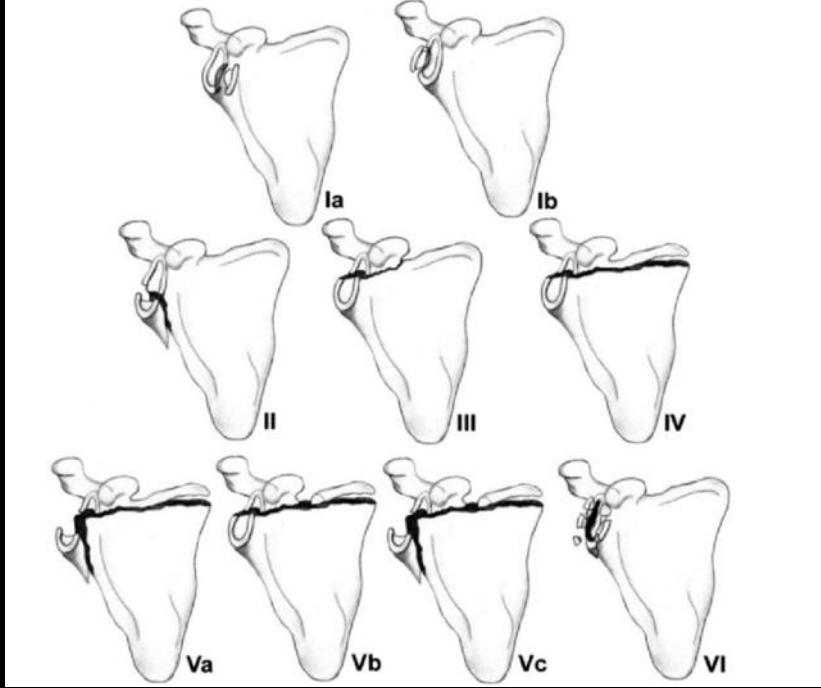
Scapula Fractures



Hardegger



Ideberg

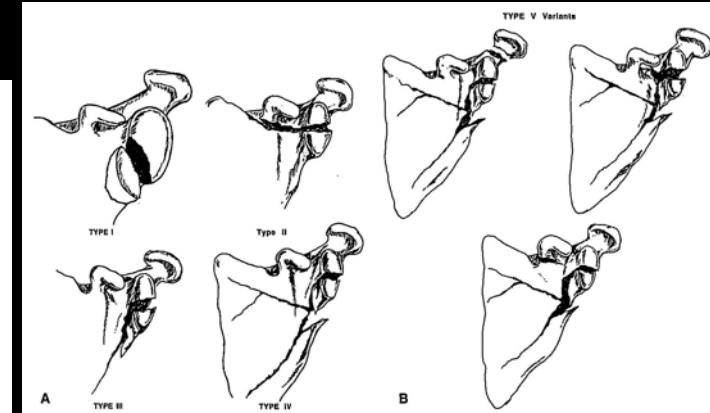
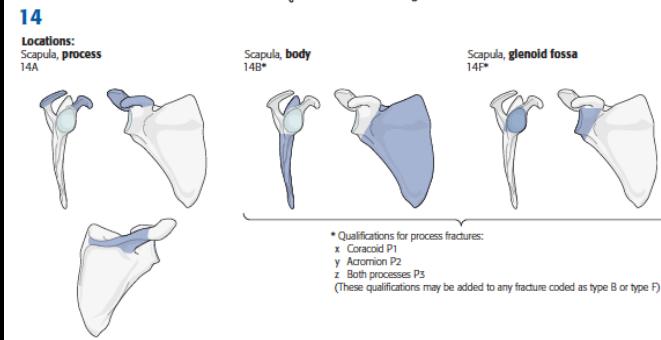


Mayo

Goss

Ada & Miller

AO/OTA



Indications

- GLENOID:

- Instability
- Articular step-off >3-4mm

- Glenopolar angle <22°

- BODY:

- Lateral Border Offset >2cm
- Body Angulation >45°
- Clavicle & Scapula Displacement >1cm



Deformity



Instability



Articular step-off



SSSC



Medialization



Angulation



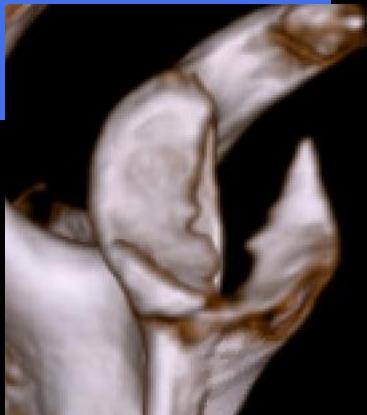
Glenopolar angle

Evaluation: CT w 3D recons



Articular

- Step-off
- Gap

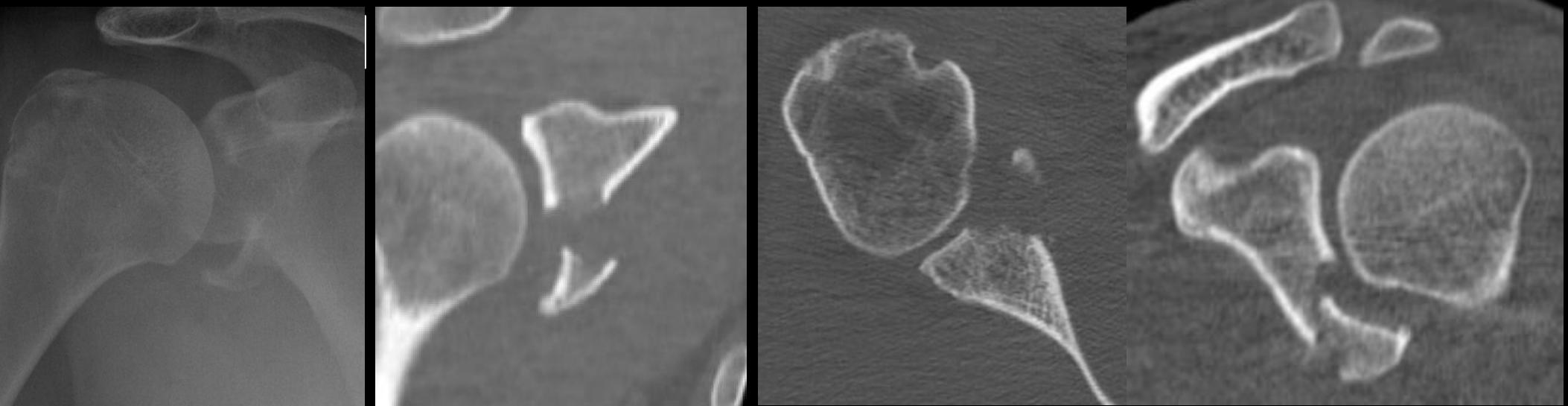


Articular
StepOff/Gap

	Operative Indications based on Displacement	Threshold
Kavanagh BF, et al. (1993)		>2mm
Mayo KA, et al. (1998)		>5mm
Herrera DA, et al (2009)		≥4mm
Jones CB, et al (2009)		>3mm
Jones CB, et al (2011)		>3mm
Anavian J, et al (2012)		≥4mm



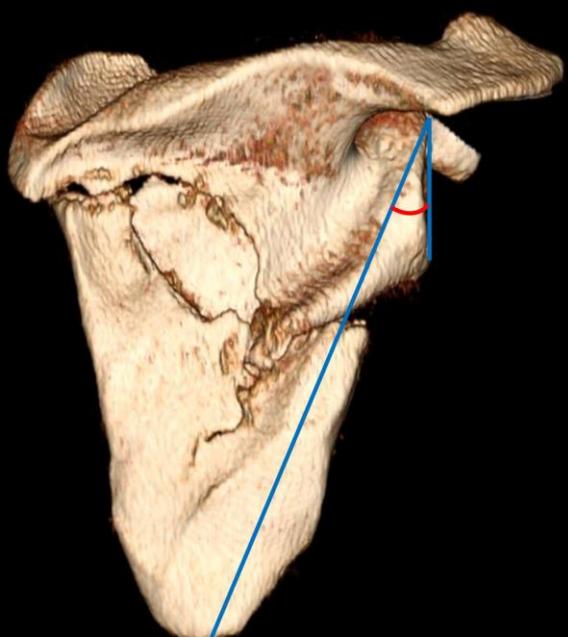
Articular: Instability



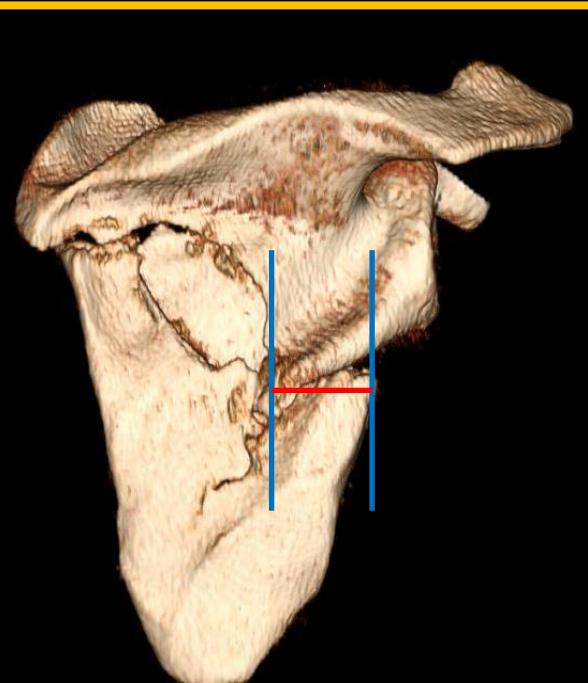
Glenopolar angle

Lateral border offset

Body Angulation



$<22^\circ$

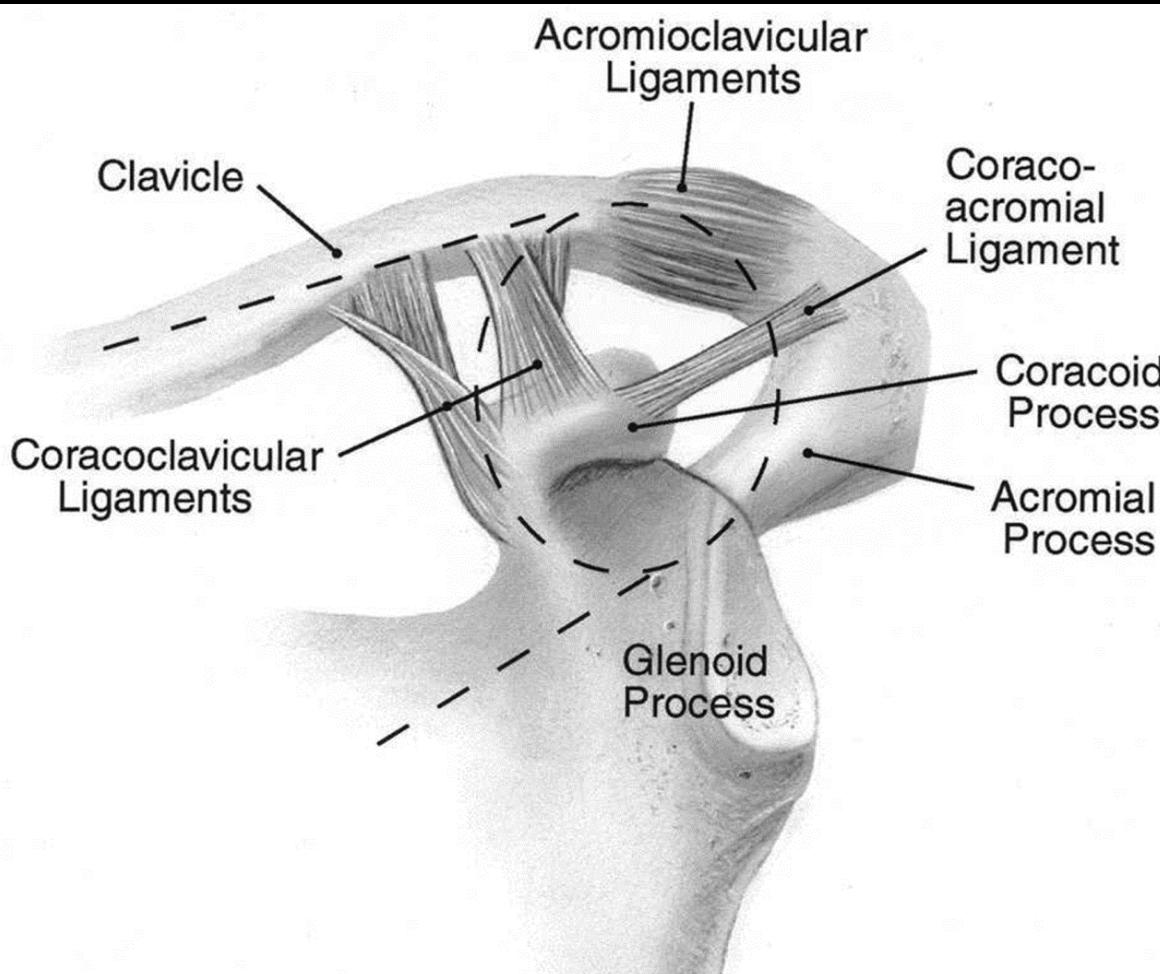


$<2\text{cm}$



$>45^\circ$

Superior Shoulder Suspensory Complex: “Floating Shoulder”



Posterior Approach

KB

- 62 y/o female, RHD
- s/p MVA
- Pelvis fracture
- Left shoulder fracture dislocation - reduced
- Referred 3 weeks postinjury

N [F]

[]

UTKU MD

Taylor MD



332967
XR Shoulder
Acc# = 07

R [Y] N [F]
27]

UTKU MD

Taylor MD

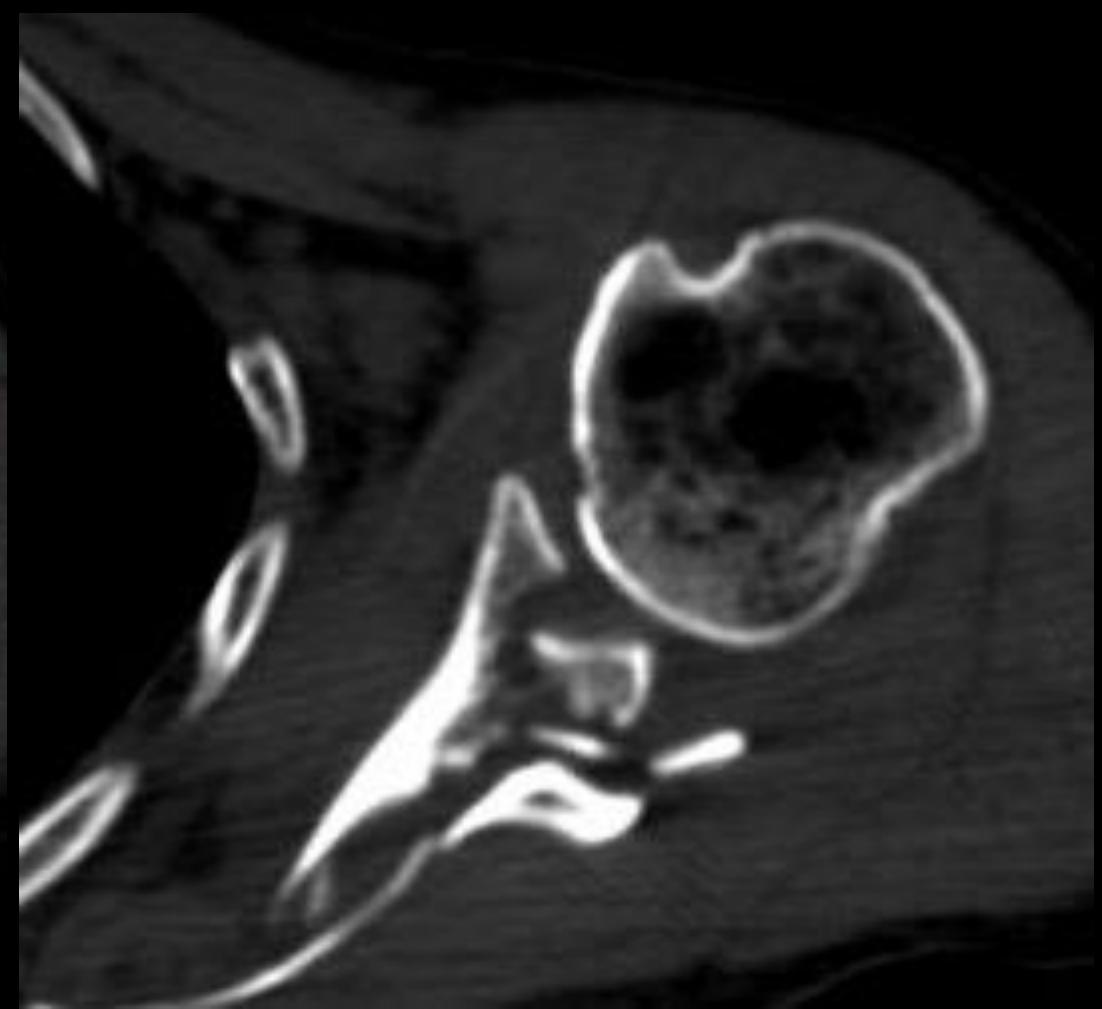
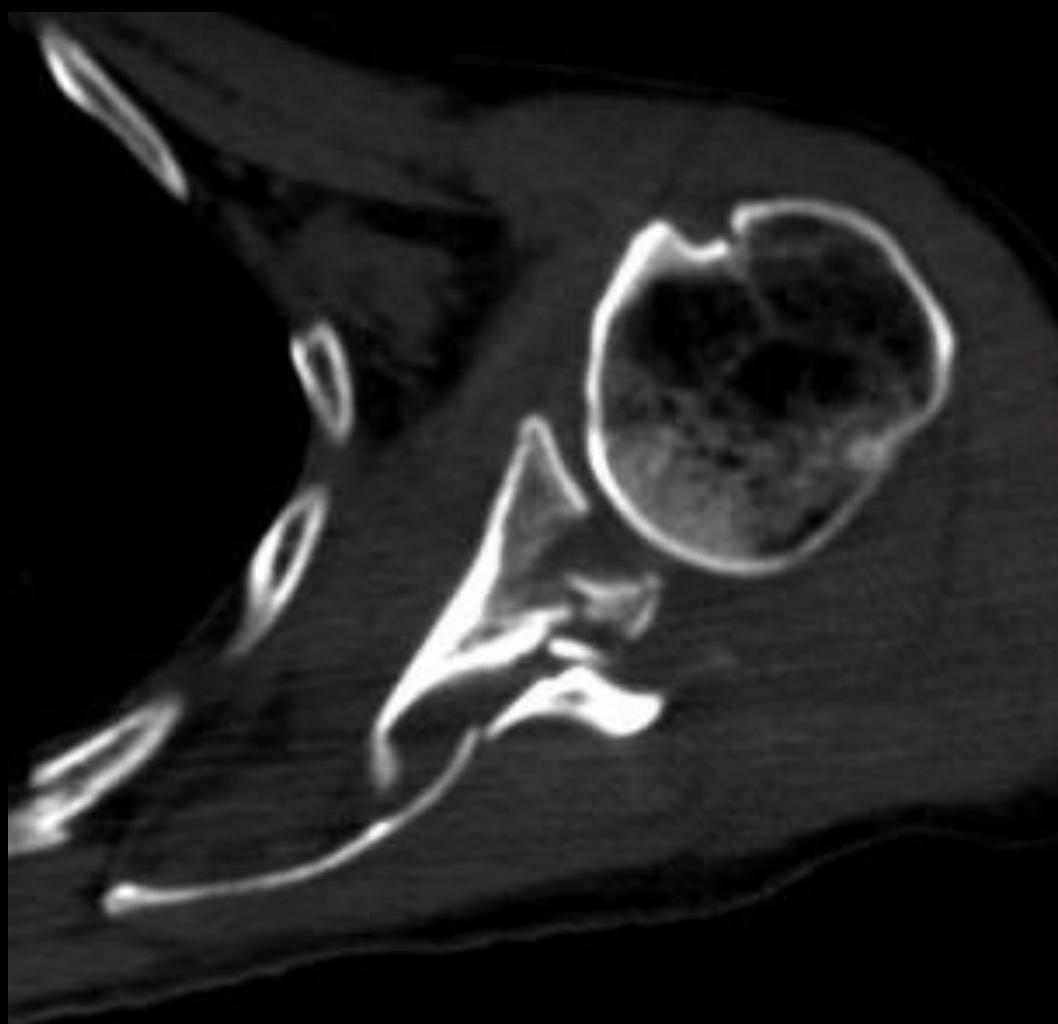
PE
21

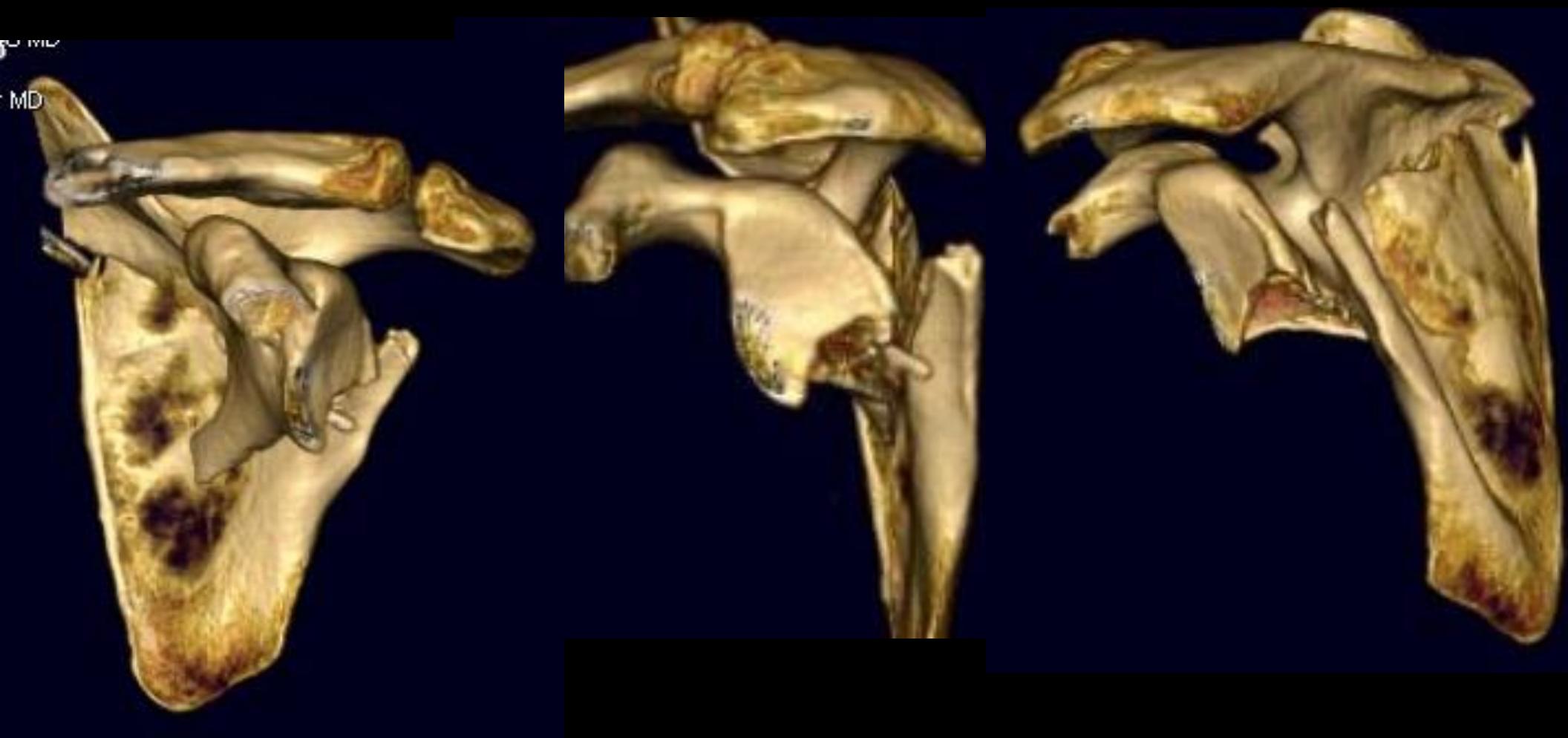
F

H



62 yo





R

L-Ext-rot



4.5 months postop



IM

- 30 y/o, hairstylist, RHD
- s/p MCA
- c/o R shoulder pain, isolated injury
- Distally NV WNL

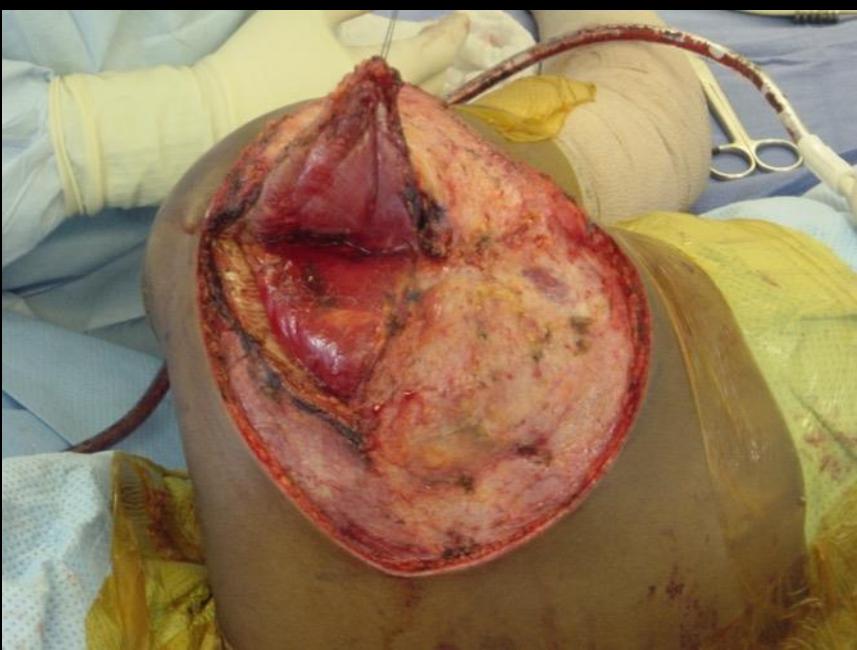
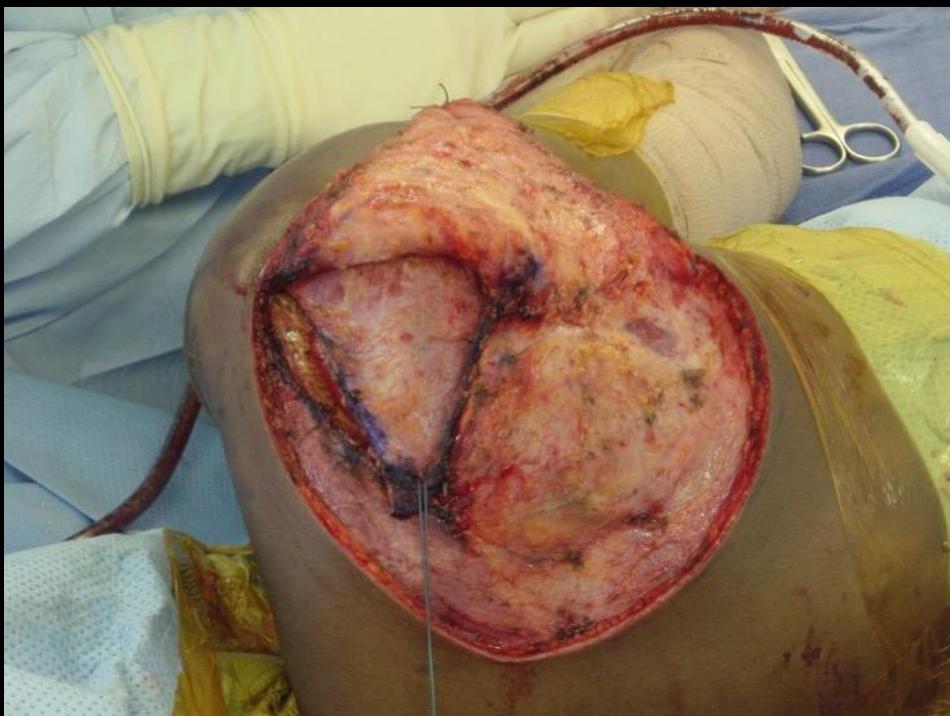
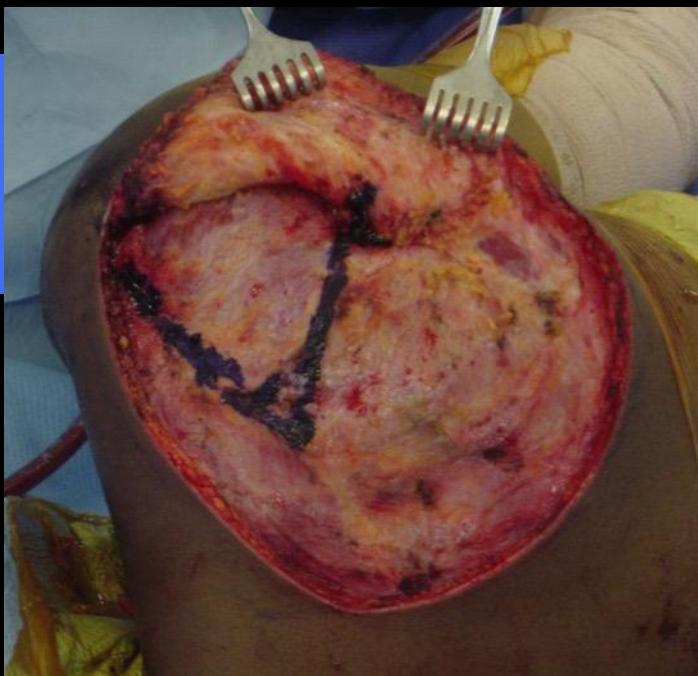
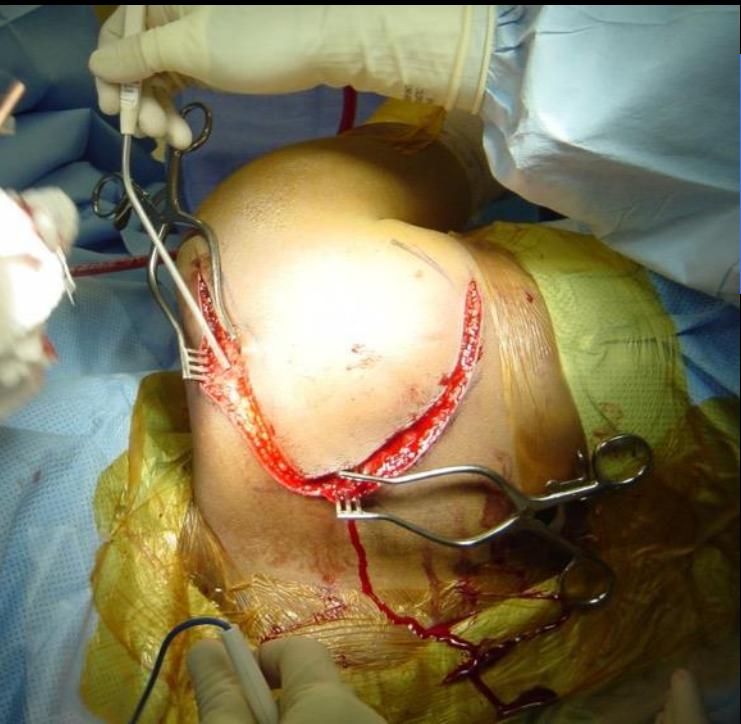


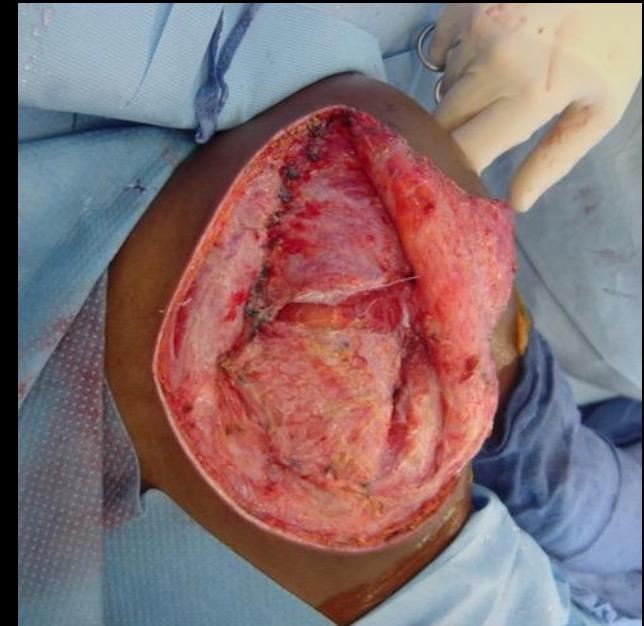
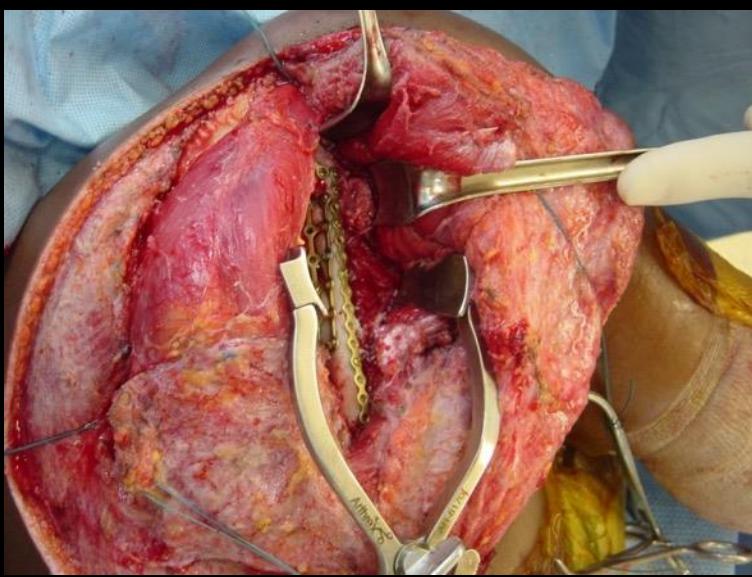
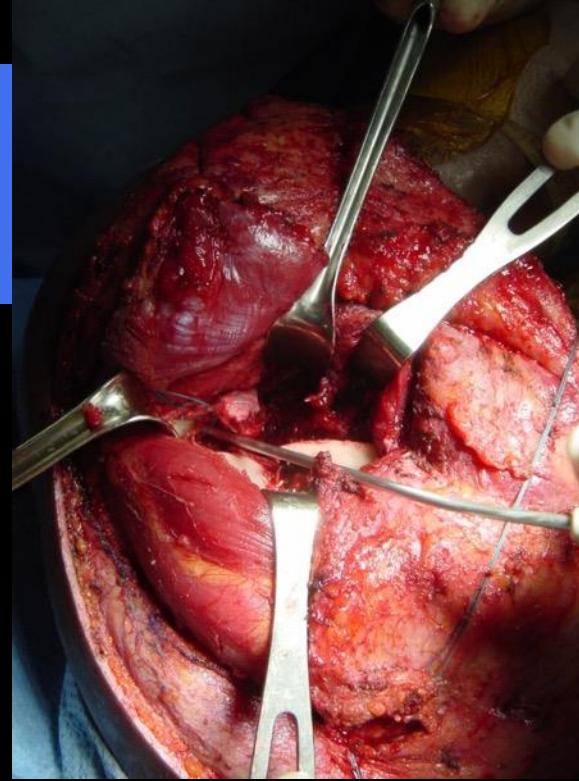
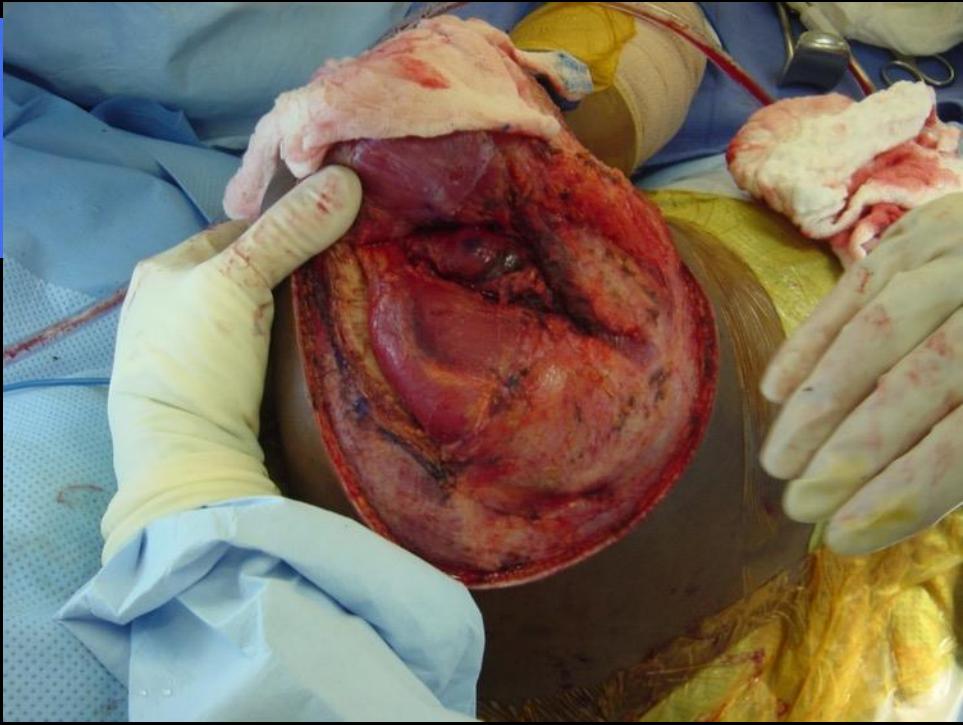
TR4

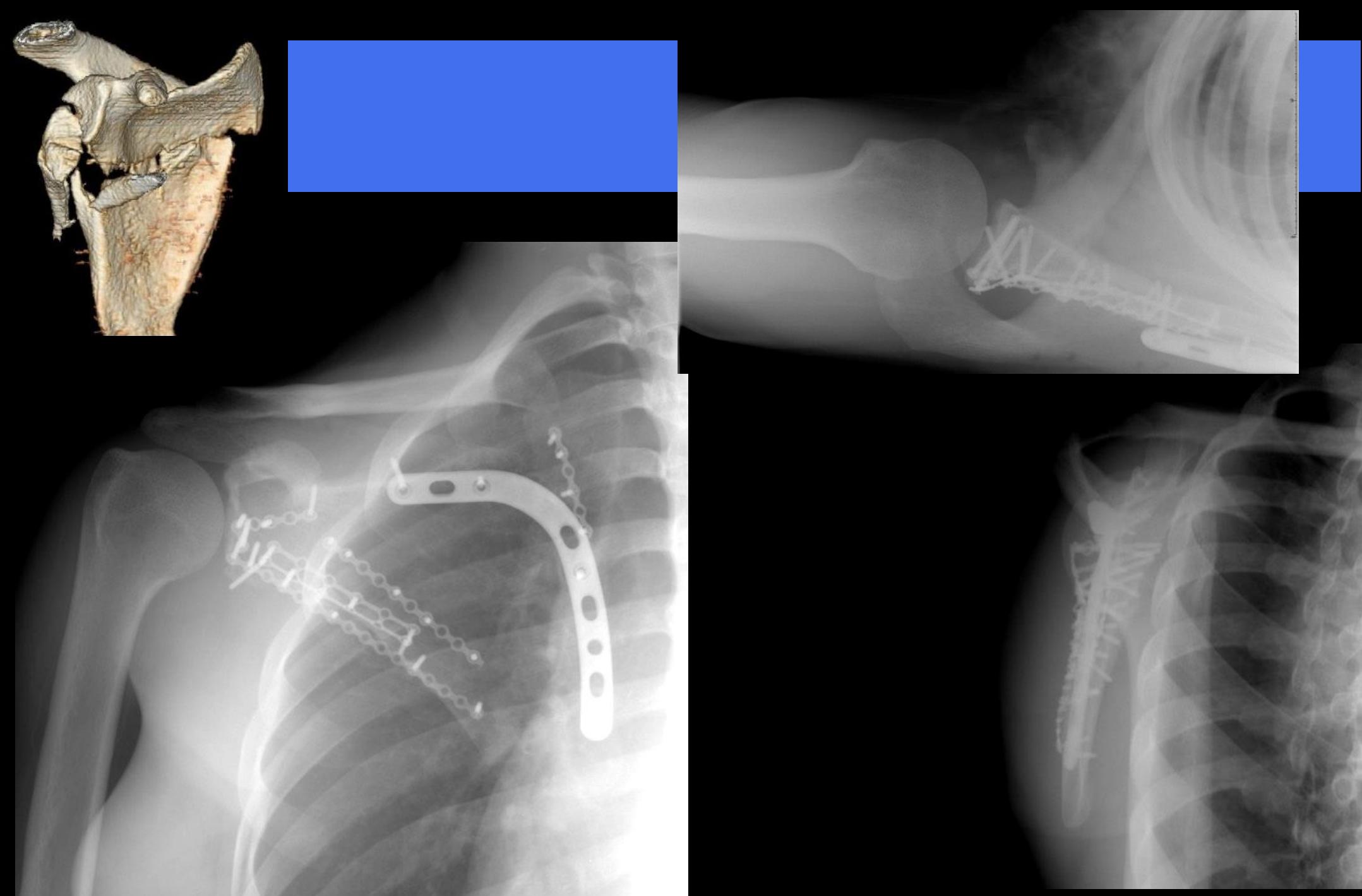




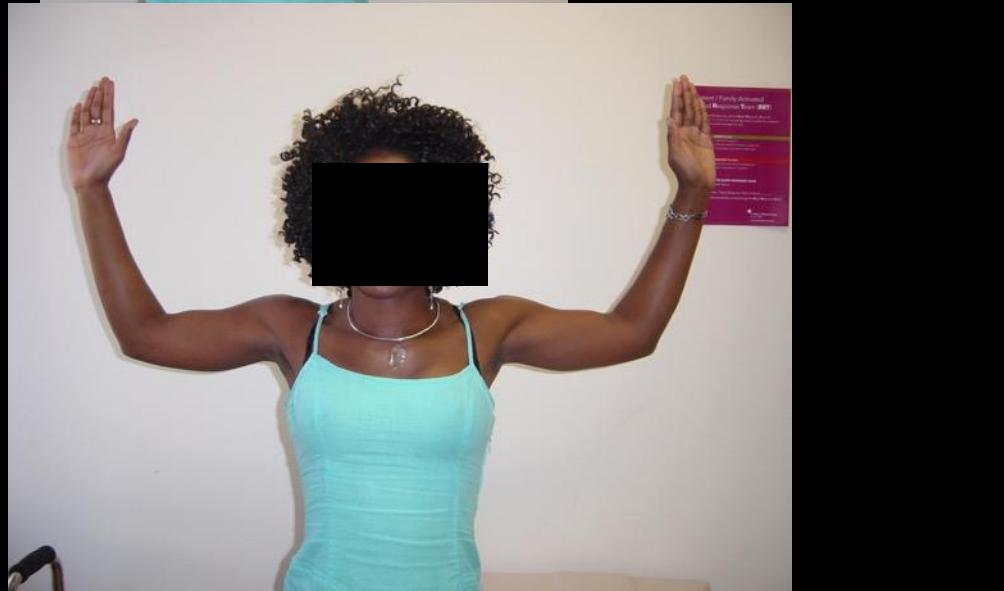
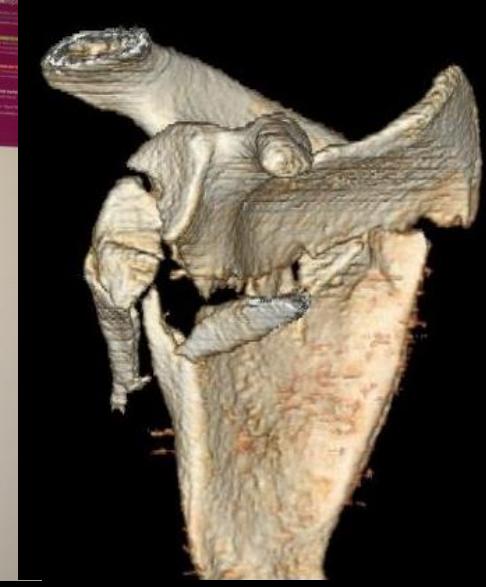








3 months follow up

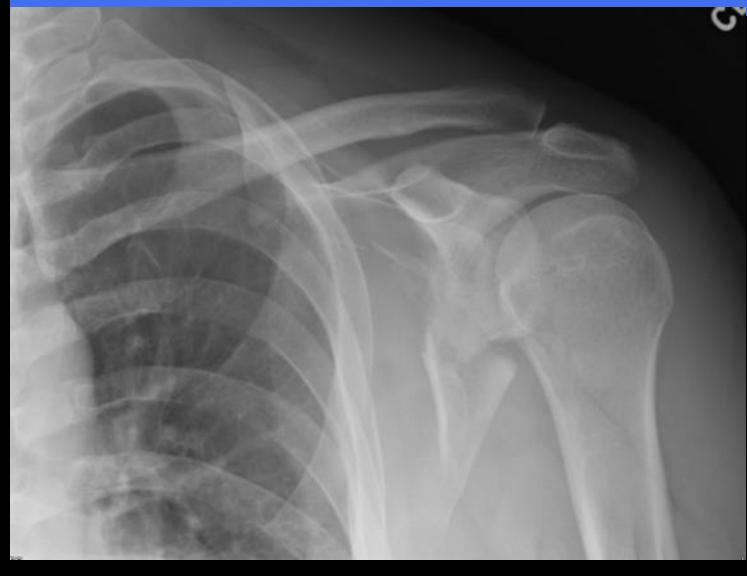


3 months follow up



Limited Posterior Approach

42 y/o, coast guard, s/p MCA: Limited Posterior Approach



Deltpectoral Approach

PY

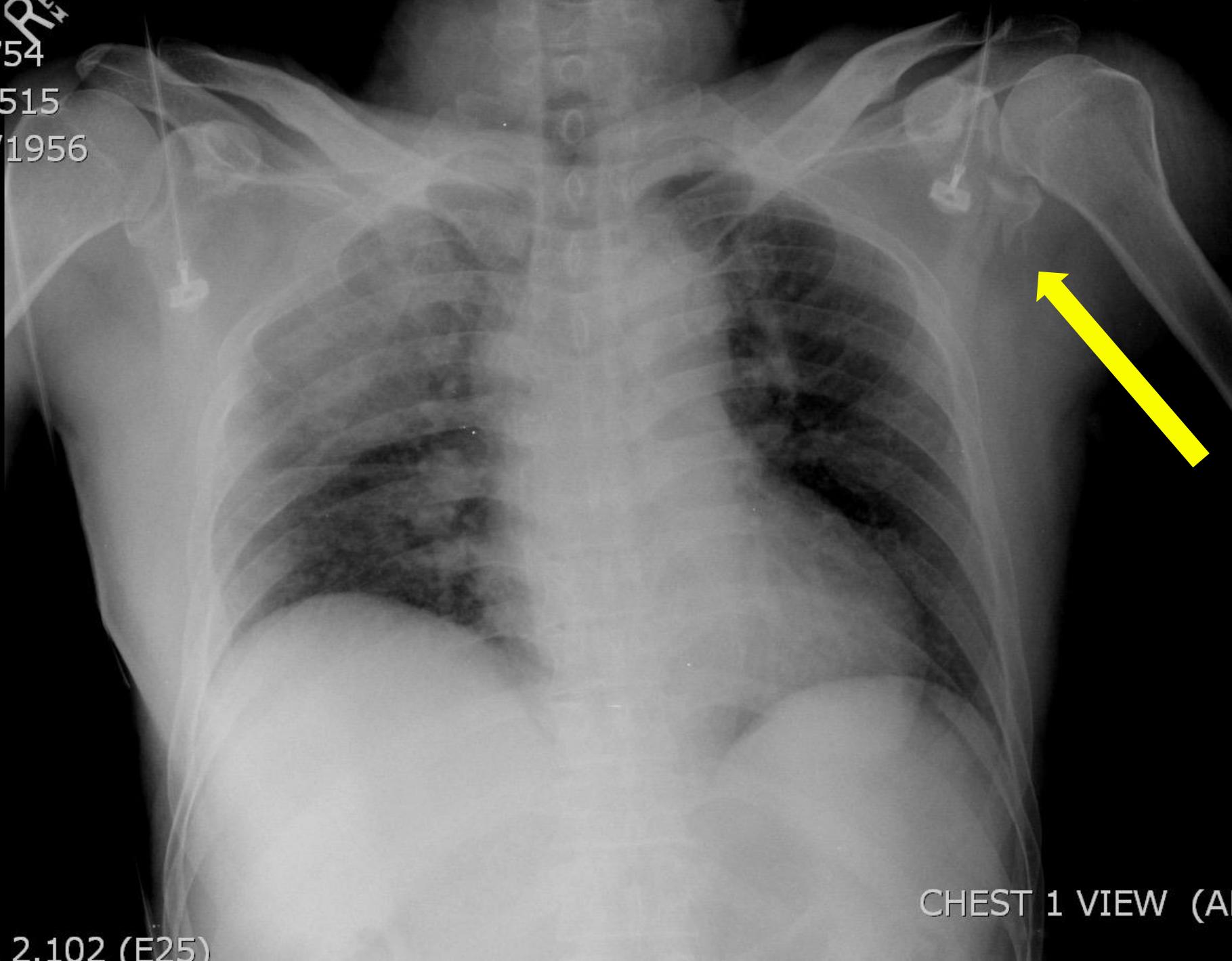
- 56 y/o male
- s/p fall of scaffolding @work
- Multiply injured: c-spine, pelvis, left shoulder

ap supine tri

754

515

/1956



CHEST 1 VIEW (AI)

2.102 (E25)





Nb Views: 4



Rotation: 7

THD/+



9.4mm/4
DSPI



Deltpectoral Approach



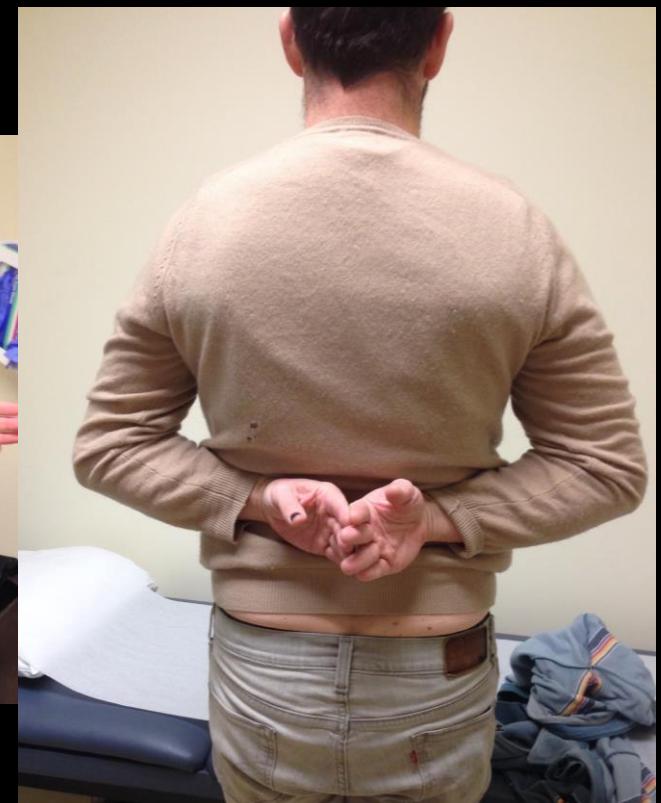
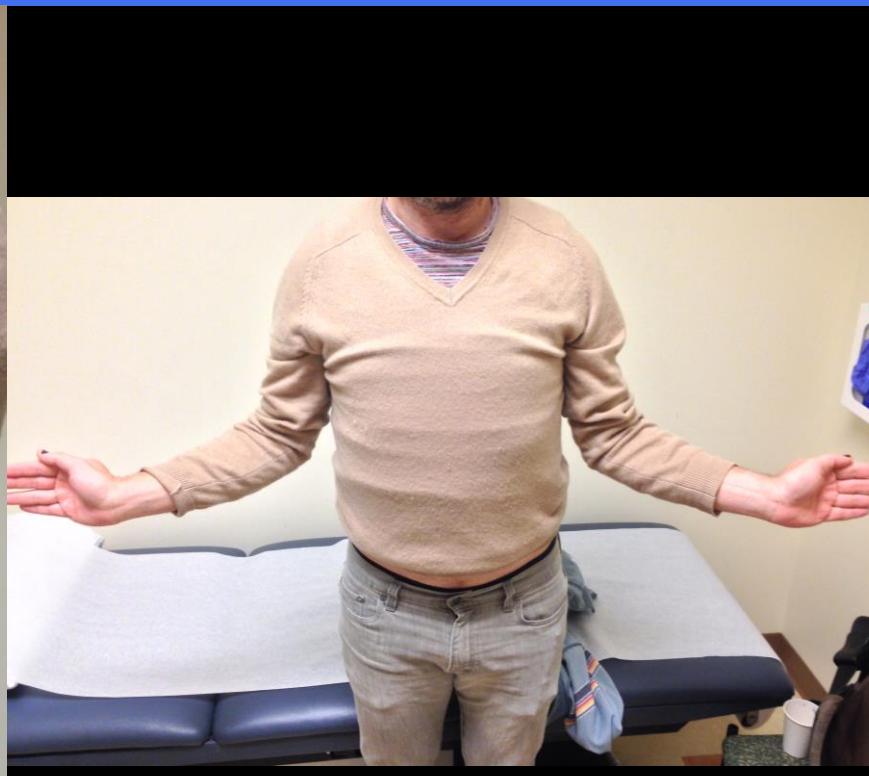
56 yo, Deltpectoral Approach



56 yo, Deltpectoral Approach



56 yo, Deltpectoral Approach



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- BODY:

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Take Home Messages

- Analyze fracture pattern
 - Anterior vs. Post Approach
- When Post
 - Limited vs. Modified Judet
- Attention
 - Suprascapular NV Bundle
 - Axillary nerve



THANK YOU



Utku.Kandemir@ucsf.edu

