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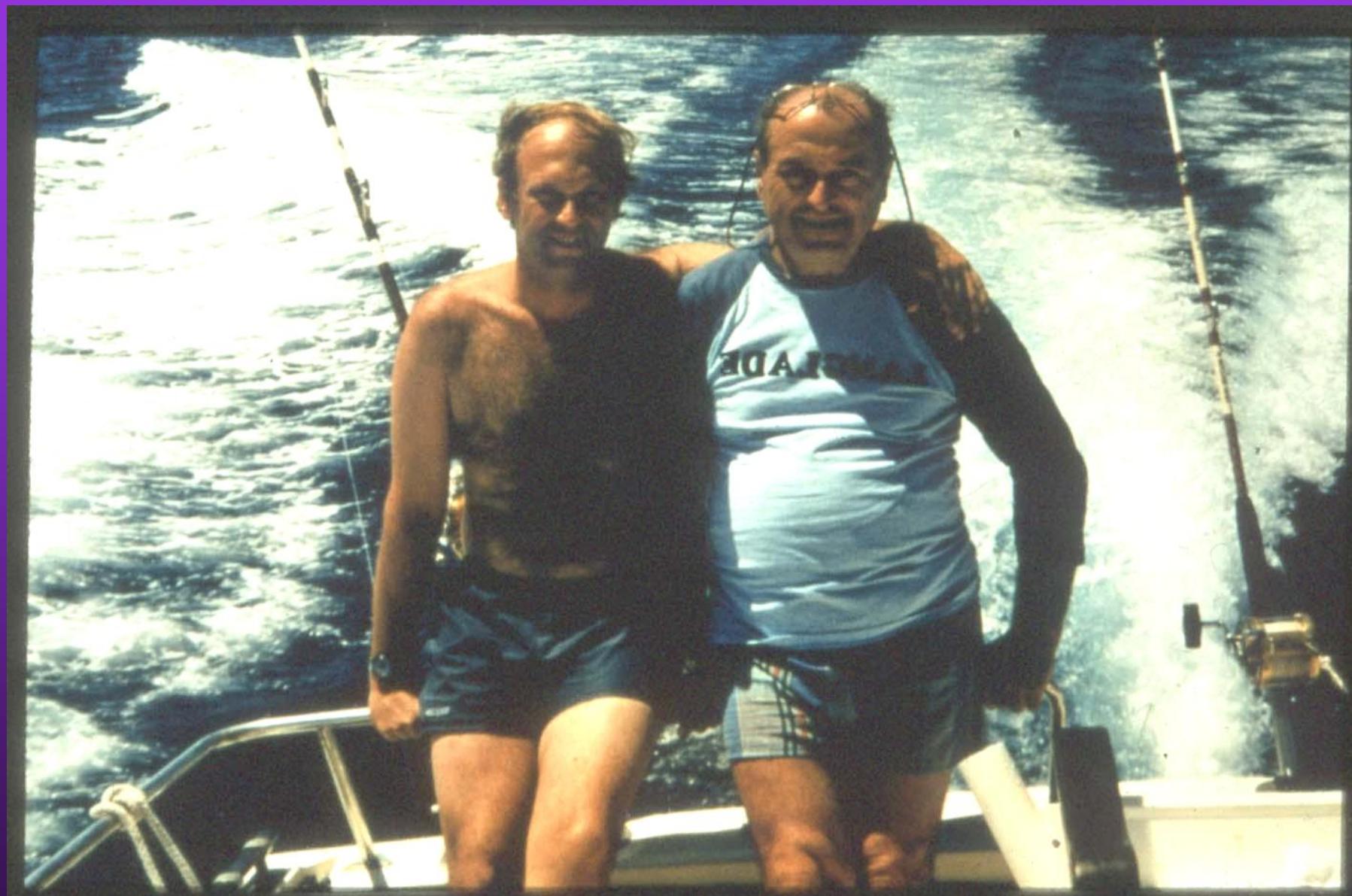
Indications for ORIF of Acetabular Fractures - 10 Minutes



Indications For Treatment of Acetabular Fractures

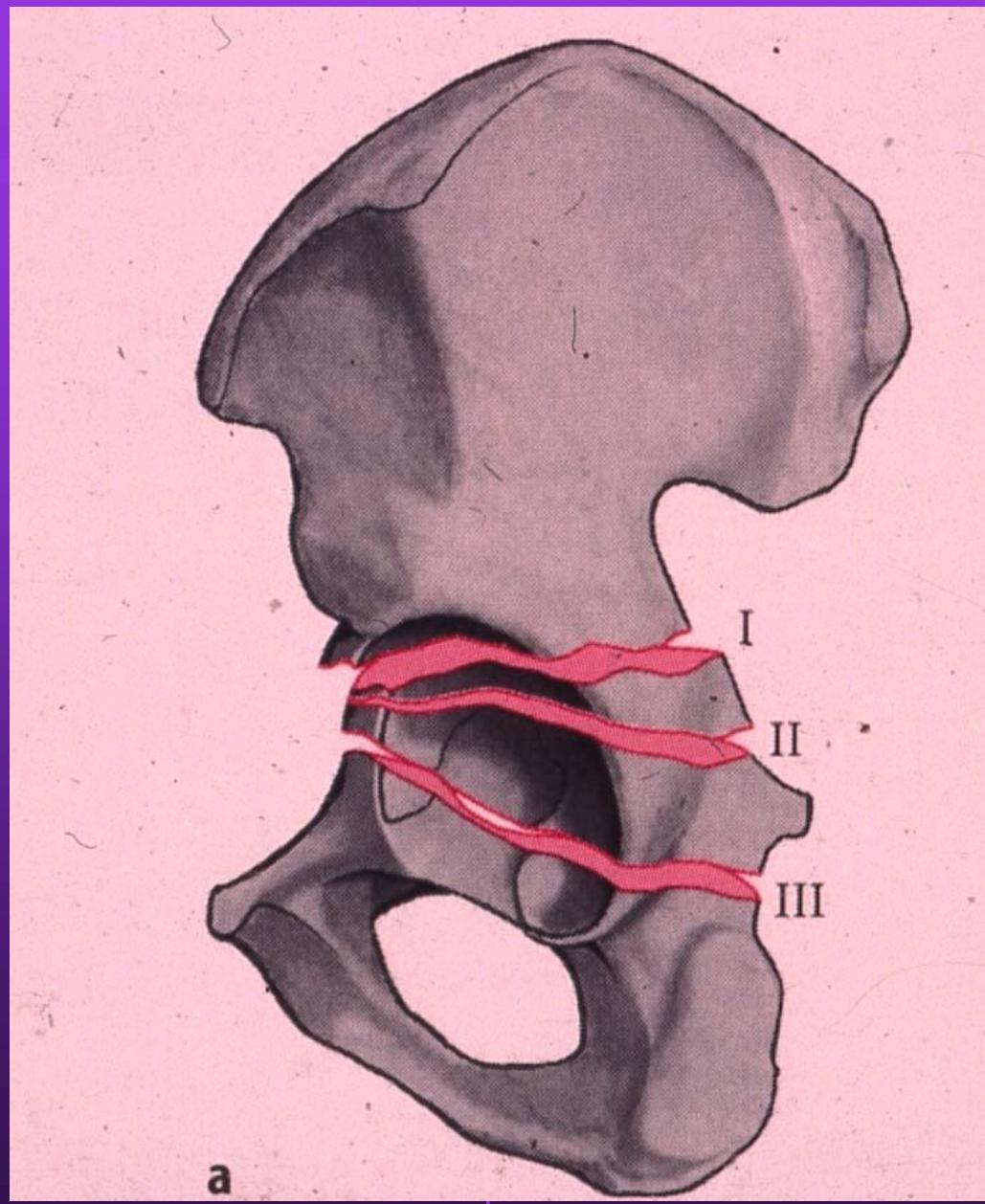


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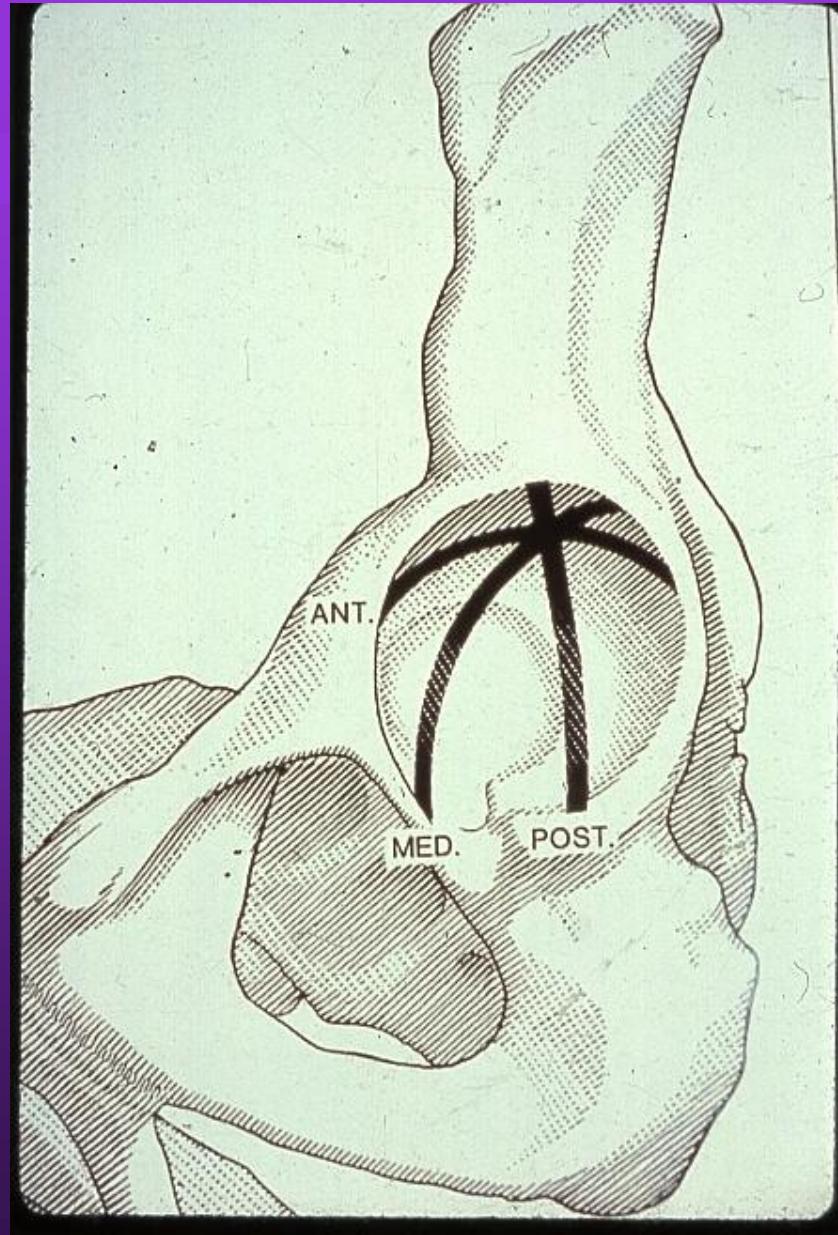


Indications For ORIF

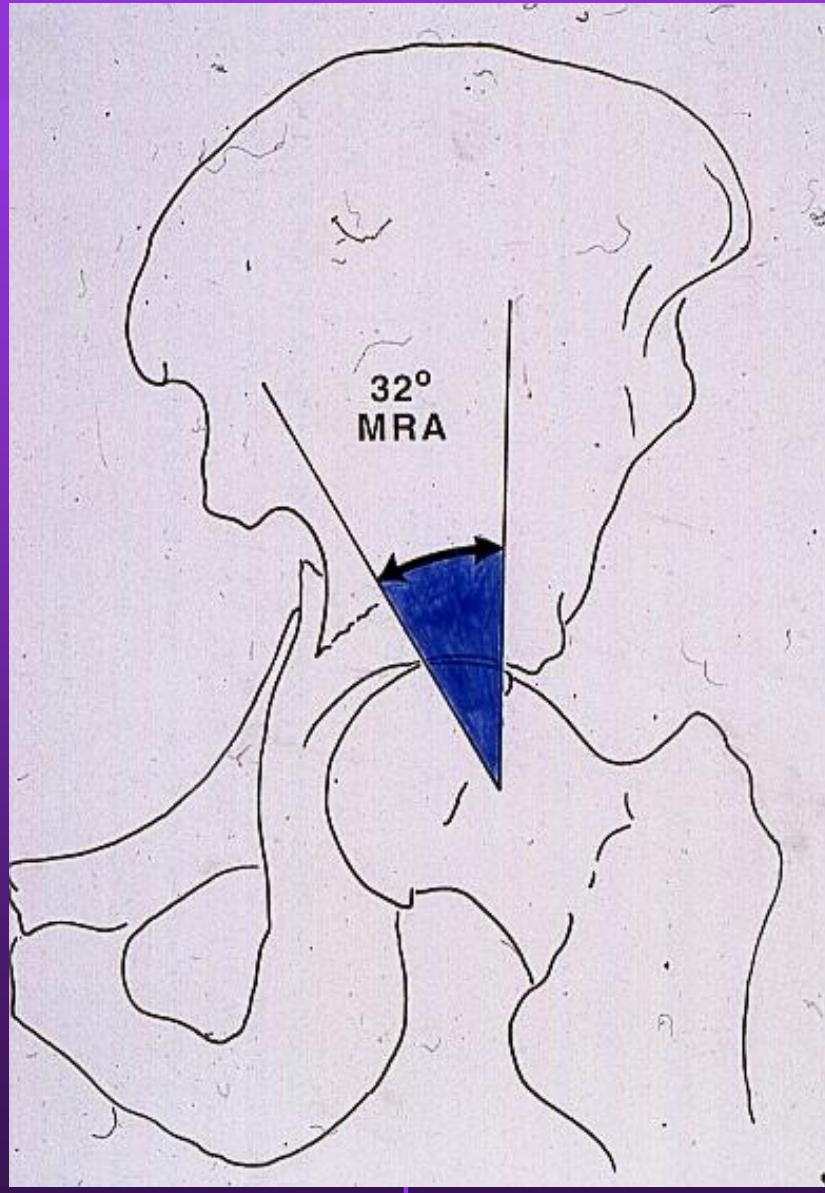
- Displaced dome > 1mm (ARA<25°, MRA<45°, PRA<70°), subluxation of femoral head
- Lack of 2° congruence (Both Column acetabular fractures only)
- 20-40% posterior wall

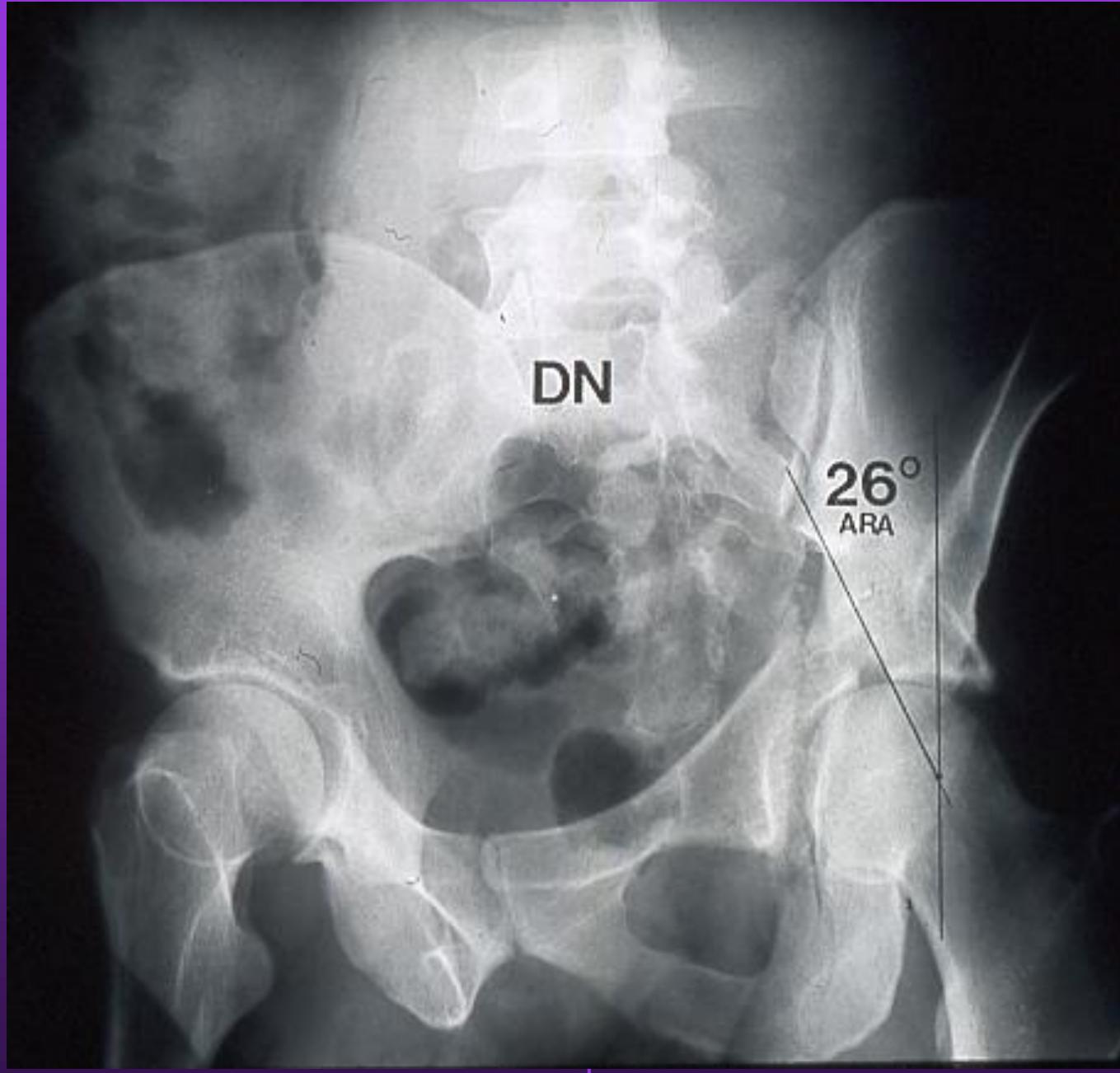


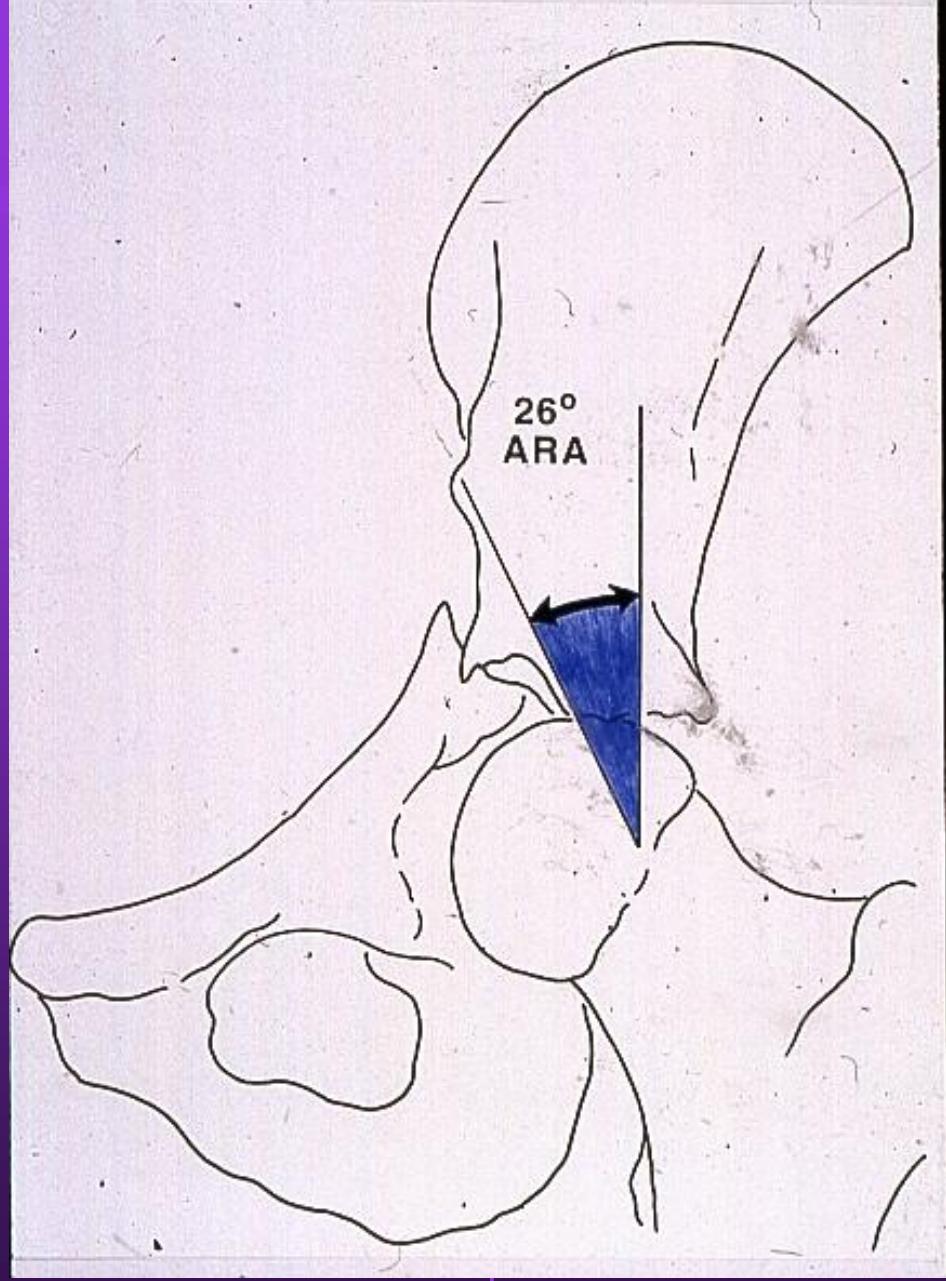
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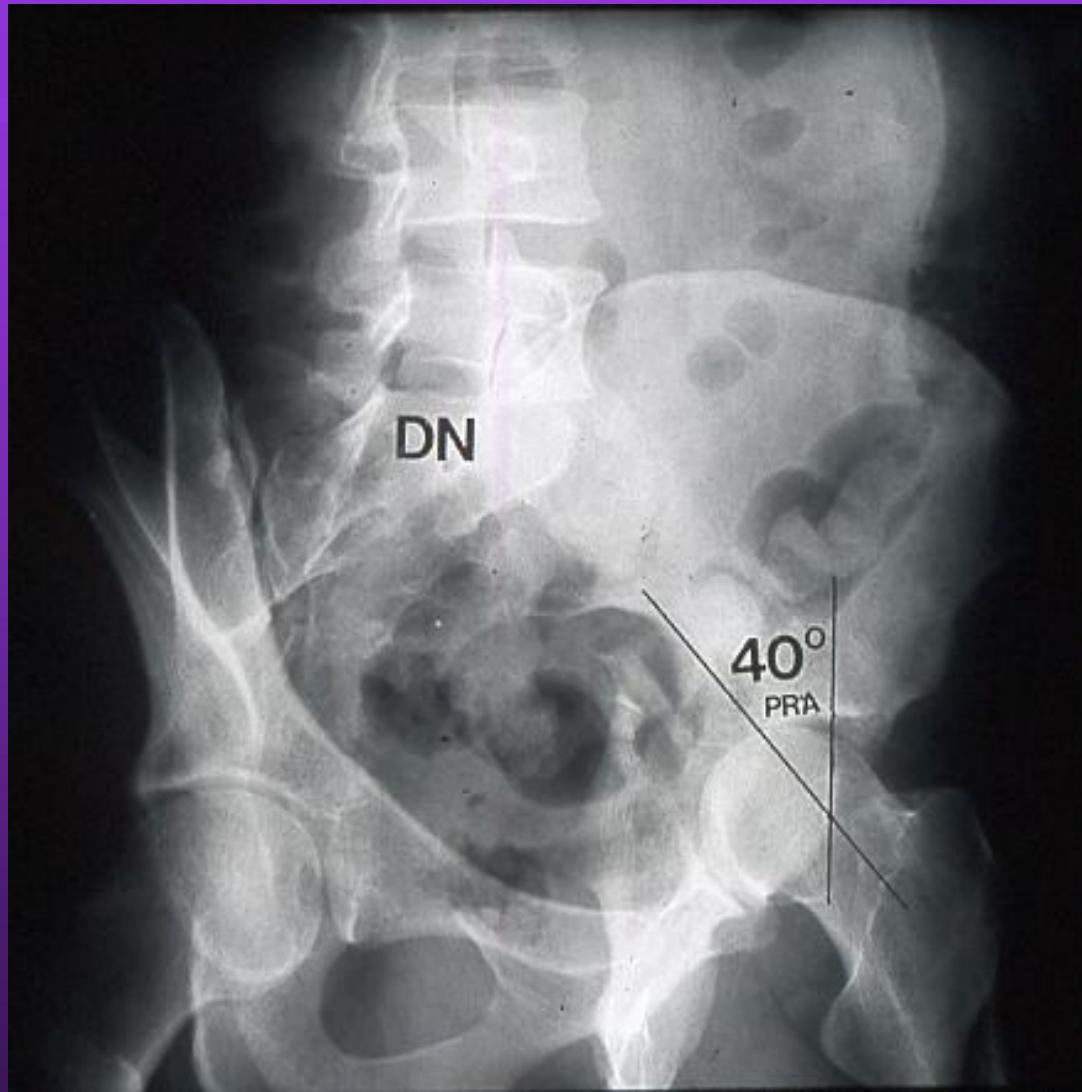


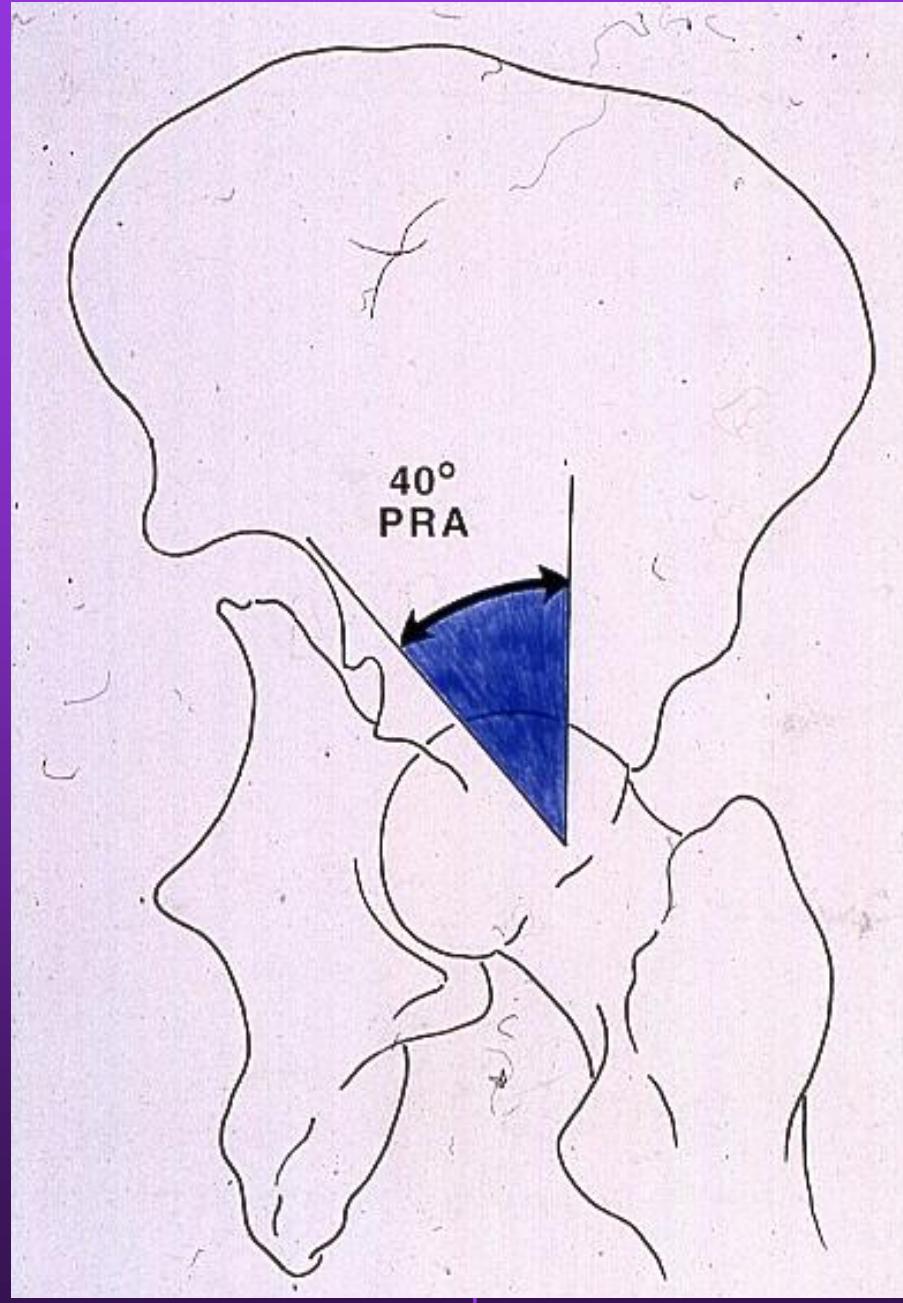












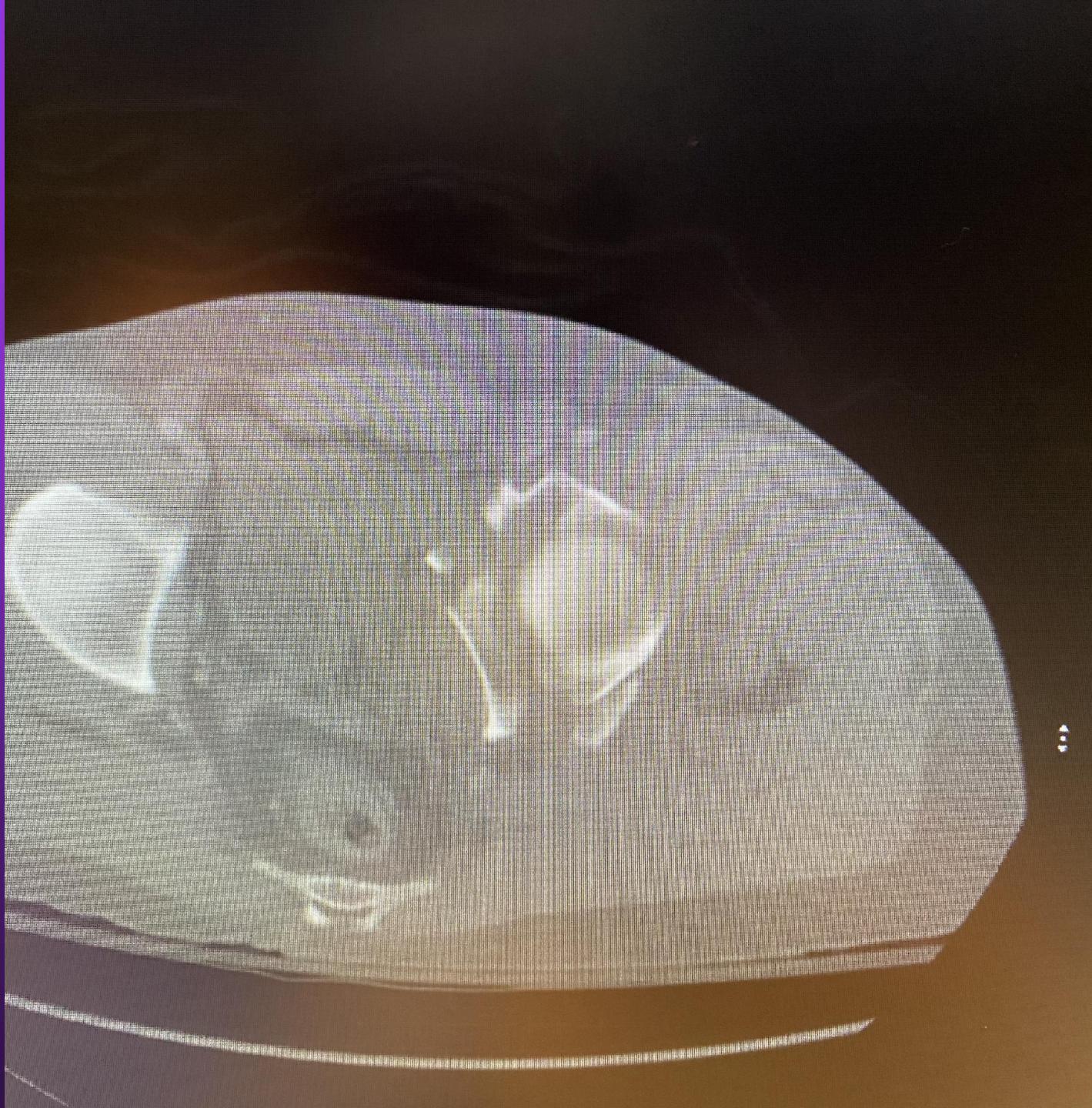
Timing of Surgery: Criteria

- Well - resuscitated patient
- Appropriate radiological work-up
- Appropriate understanding of fracture
- Appropriate operative team

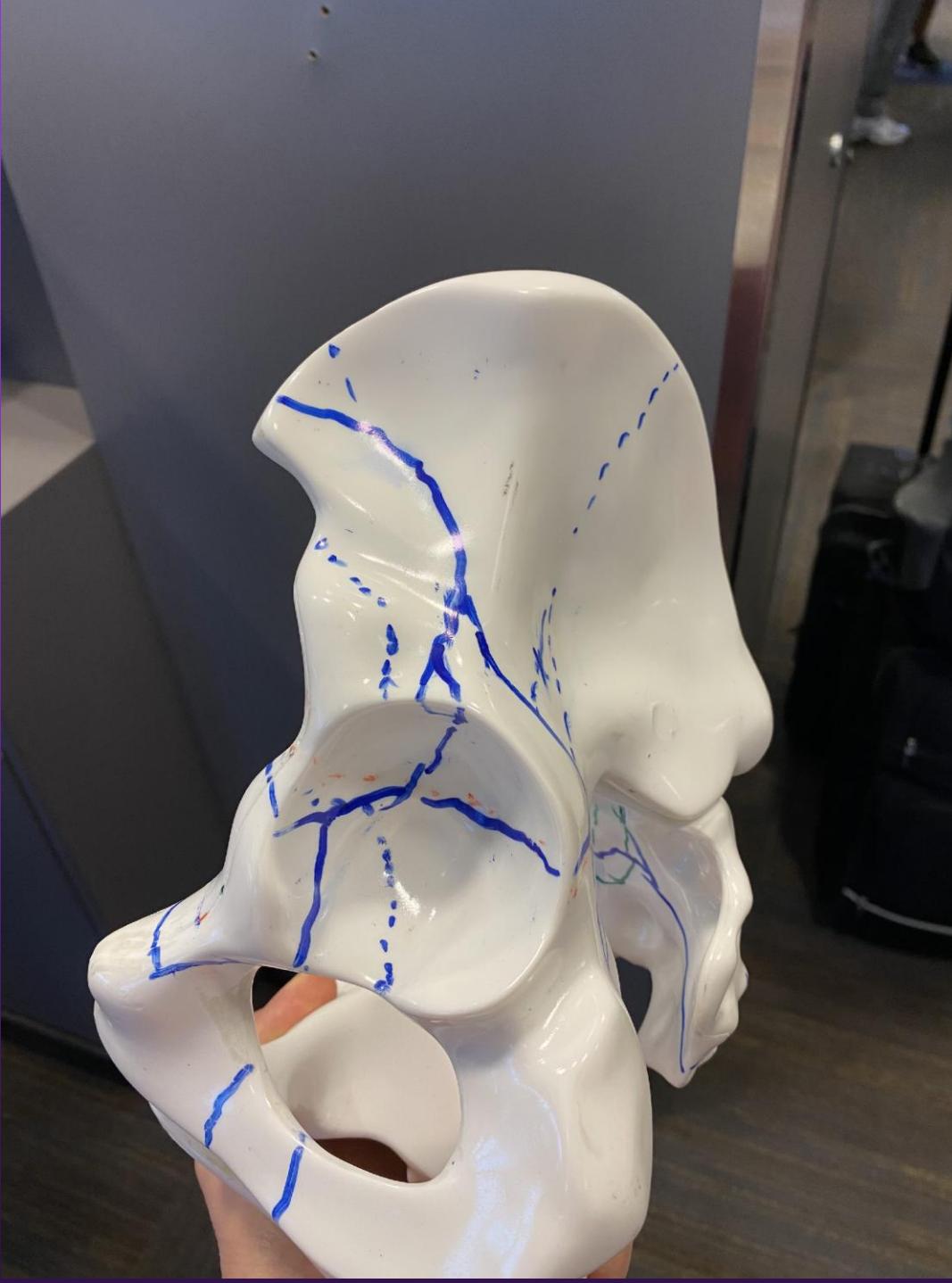










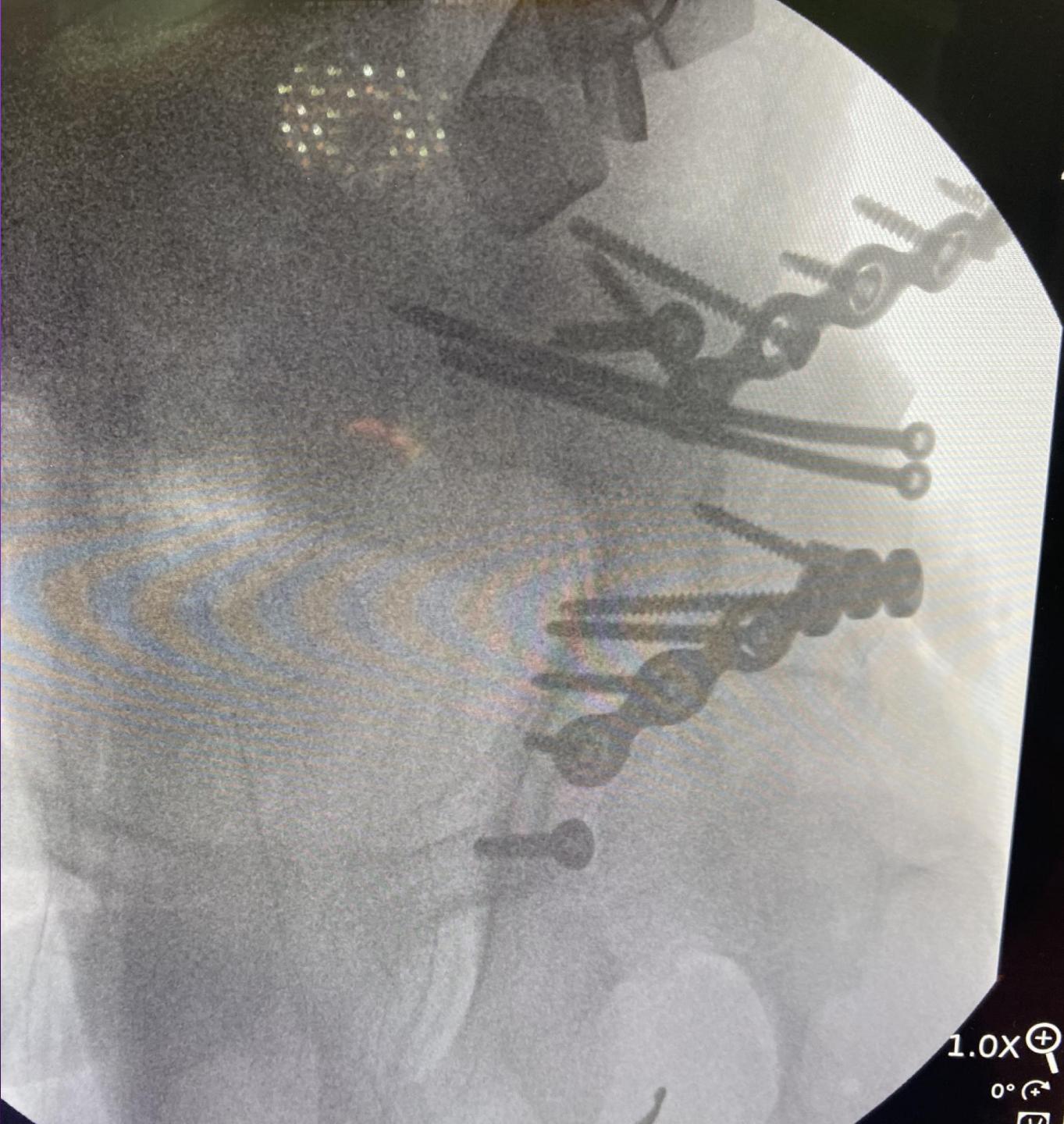


WS 72170

EE 3021



1.02



1.0X +
0° ↗

YLE

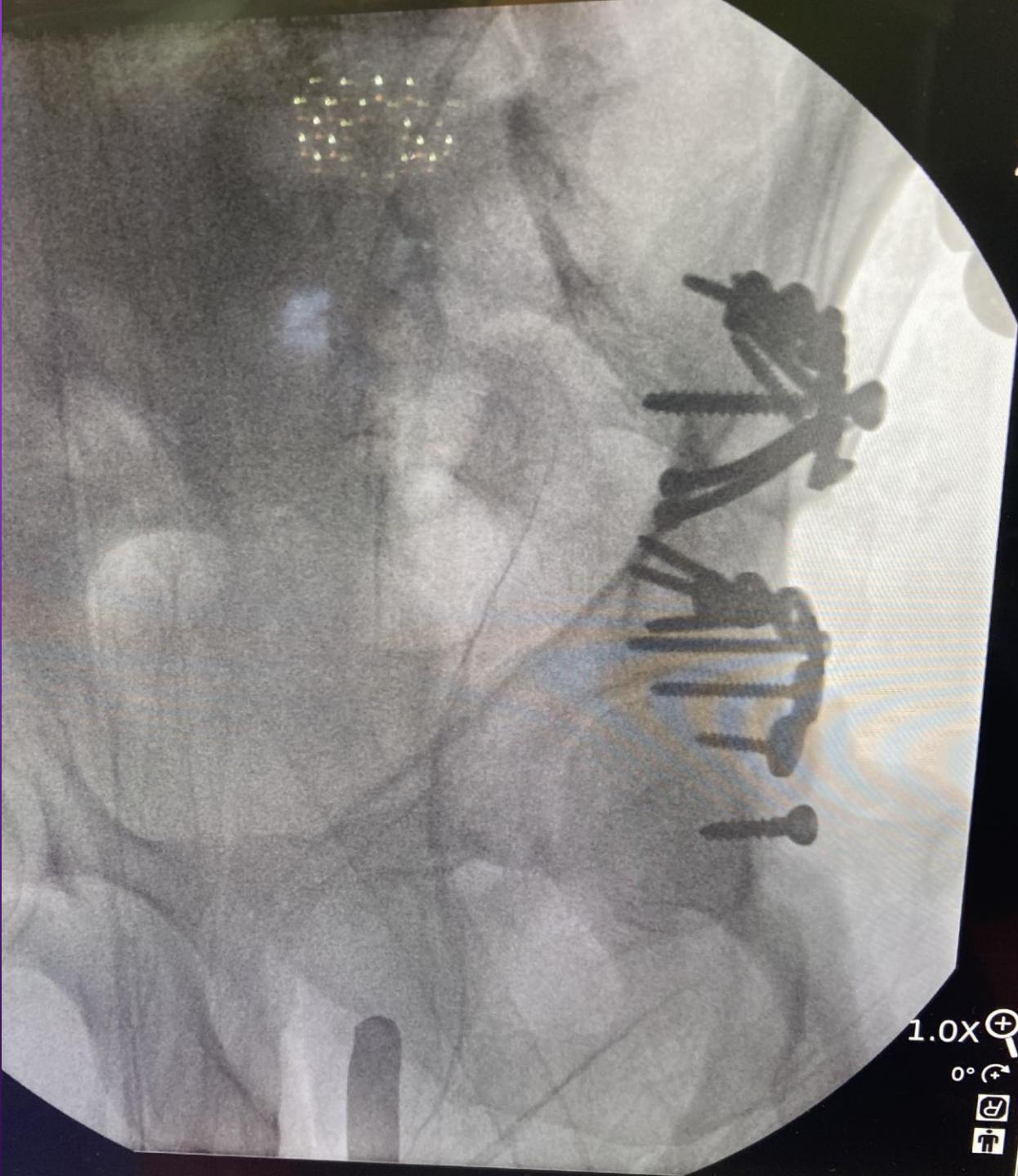
6

2

1.

kVp
3 mA

CALLED



1.0X

0°

A

T

MT

- 52 yo car accident
- Obese, HTN, Diabetes, Fibromyalgia
- Crushed Foot
- Both column posterior wall acetabular fracture
- Options?

Se:1
Im:1

[H]

T.MARIA
Study Date:10/11/2006
Study Time:4:02:07 AM
MRN:

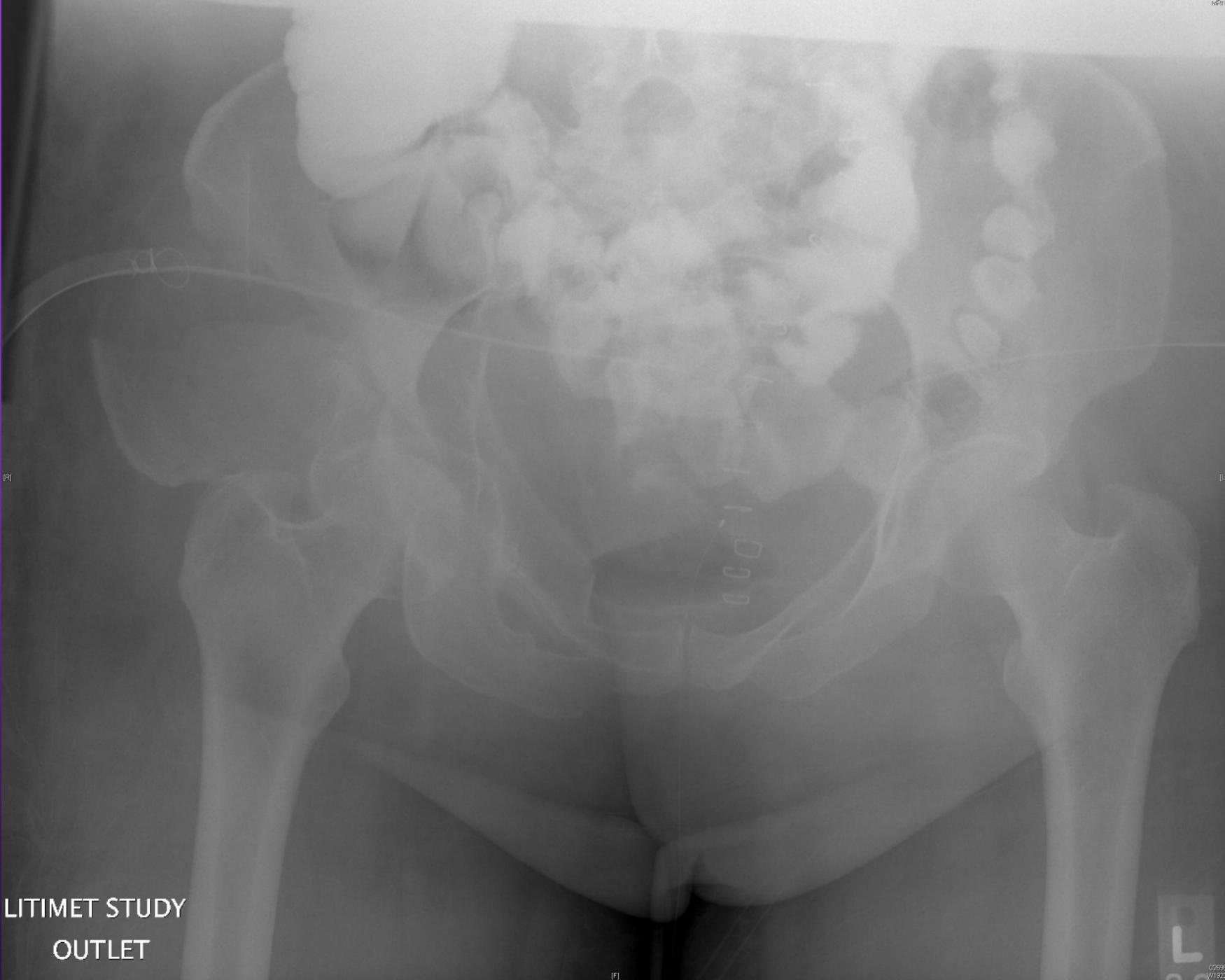
[R]



[L]

[F]

C50
W350



LITIMET STUDY
OUTLET

Se:11
Im:61

[A]

T.MARIA
Study Date:10/11/2006
Study Time:4:02:07 AM
MRN:



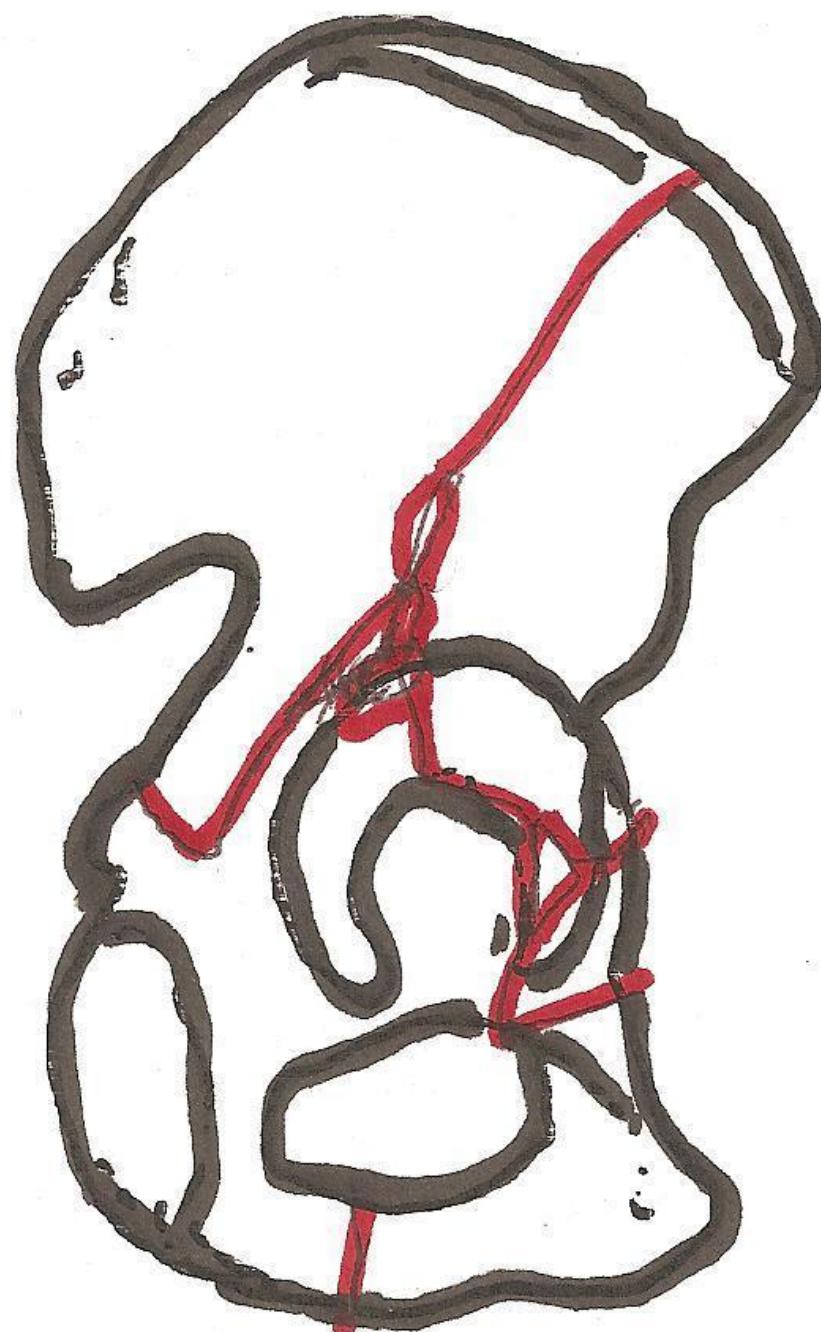
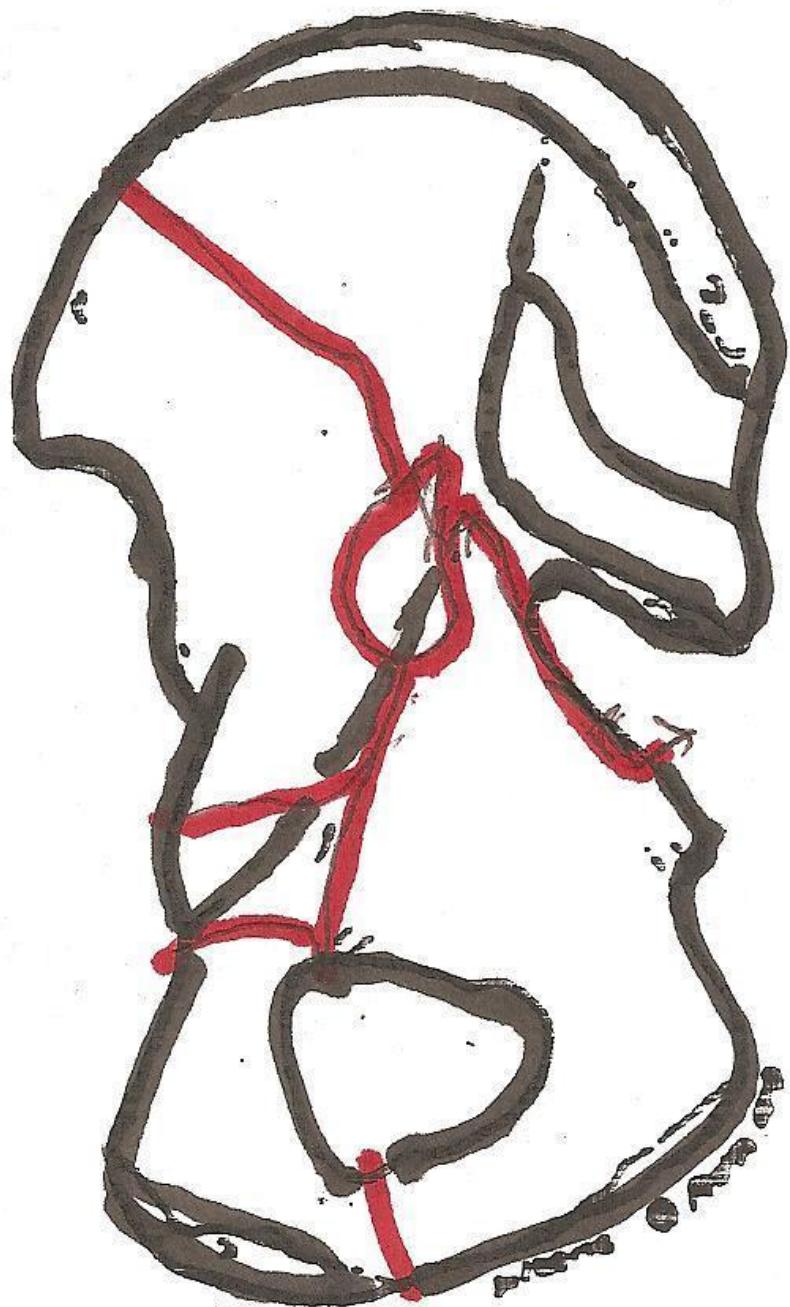
Omni 350

[P]

C350
W2000

Surgeon

- 4 years medical school, 5 year orthopaedic residency, and 1 year trauma fellowship all at Southwestern in Dallas
- Proclaimed that he wanted to do all pelvis and acetabular fractures at the hospital



O.R. PORT.
4-1428
85-50MAS

R
07



Contraindications

- Lack of know how (better is not good enough - needs to be perfect)
- Comorbidities (CV, non ambulators, etc)
- Non compliant (alzheimers, Schizo)
- Severe osteoporosis

Experience

- is not doing a better job on cases but doing a perfect job more efficiently



Dislocated Hip

- Emergent reduction (6-12 hrs)
general anesthesia preferred
- Central subluxation with Tr, BC, T-type or ACPHT-Distal femur skeletal traction

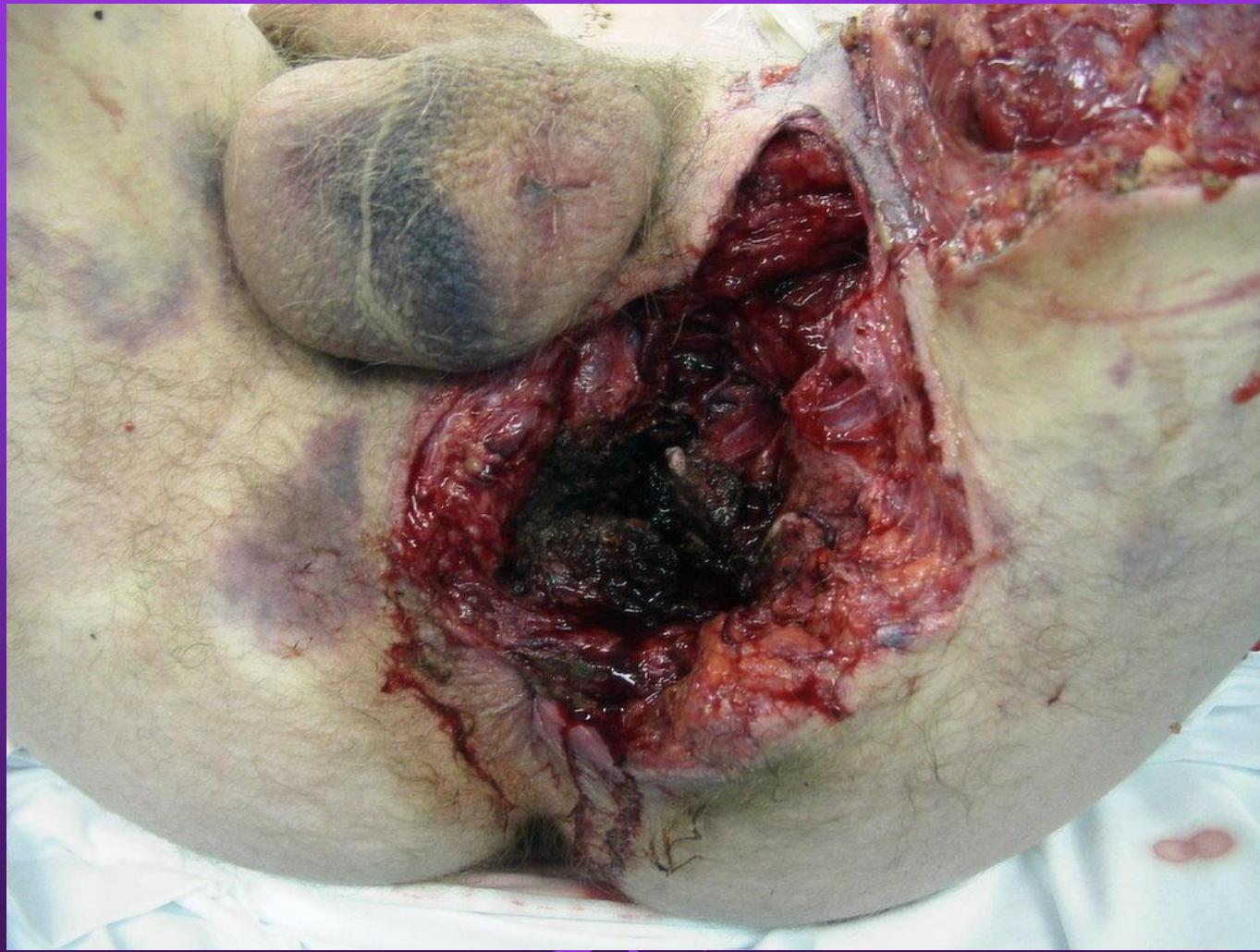
Emergency cont.

- Intrarticular fragments
- Associated femoral neck fracture

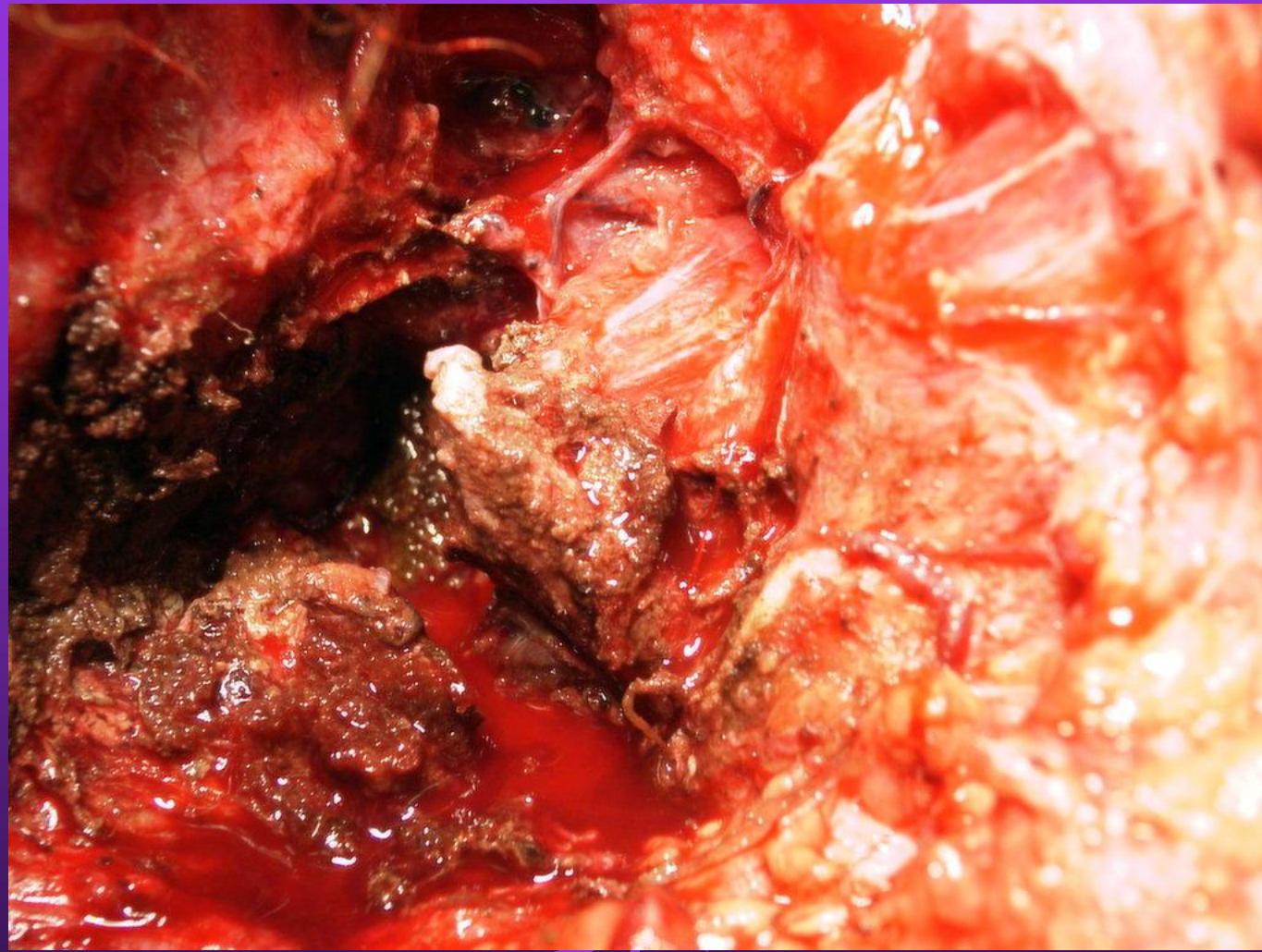
Surgical Emergencies

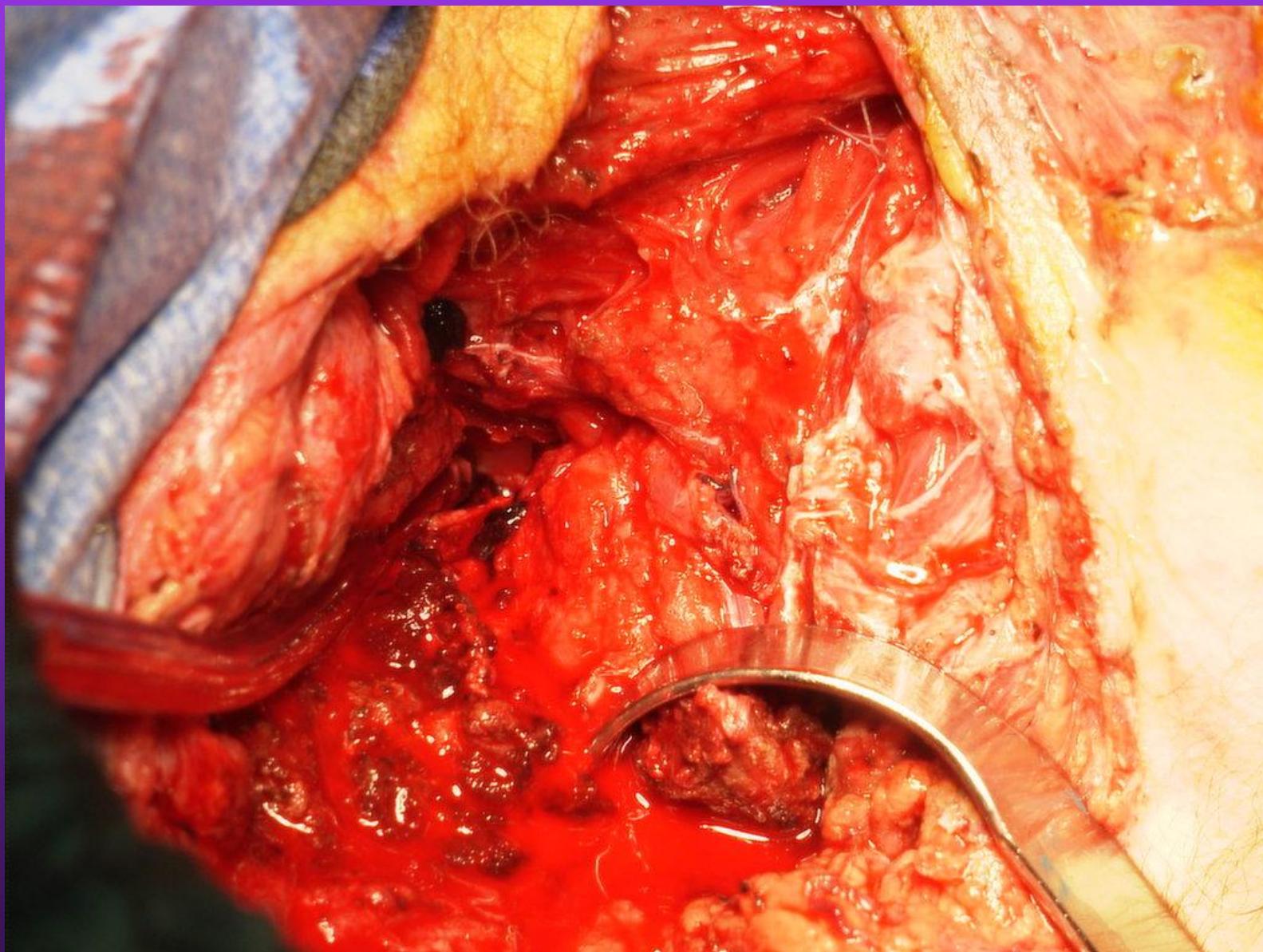
- Open fractures
- Hip dislocation
- Progressing sciatic nerve palsy















MOREL - LAVALLE' LESION (Skin Degloving)

- Infected in 1/3 of cases
- Require thorough debridement prior to definitive surgery





JA



AMES

3.14

8:10:22.877

DIGISCAN

DR - DIGISCAN

W1:000
C1:000

JA

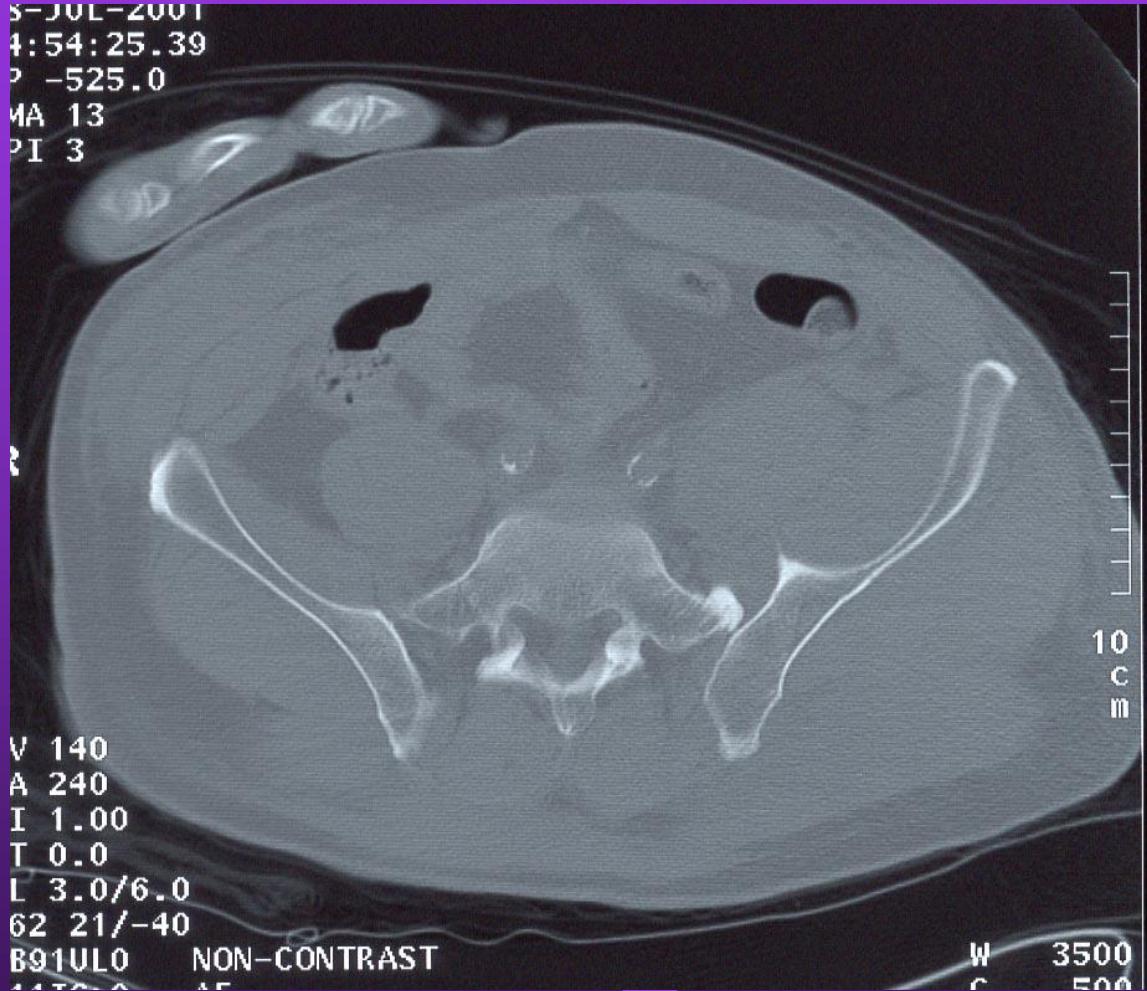
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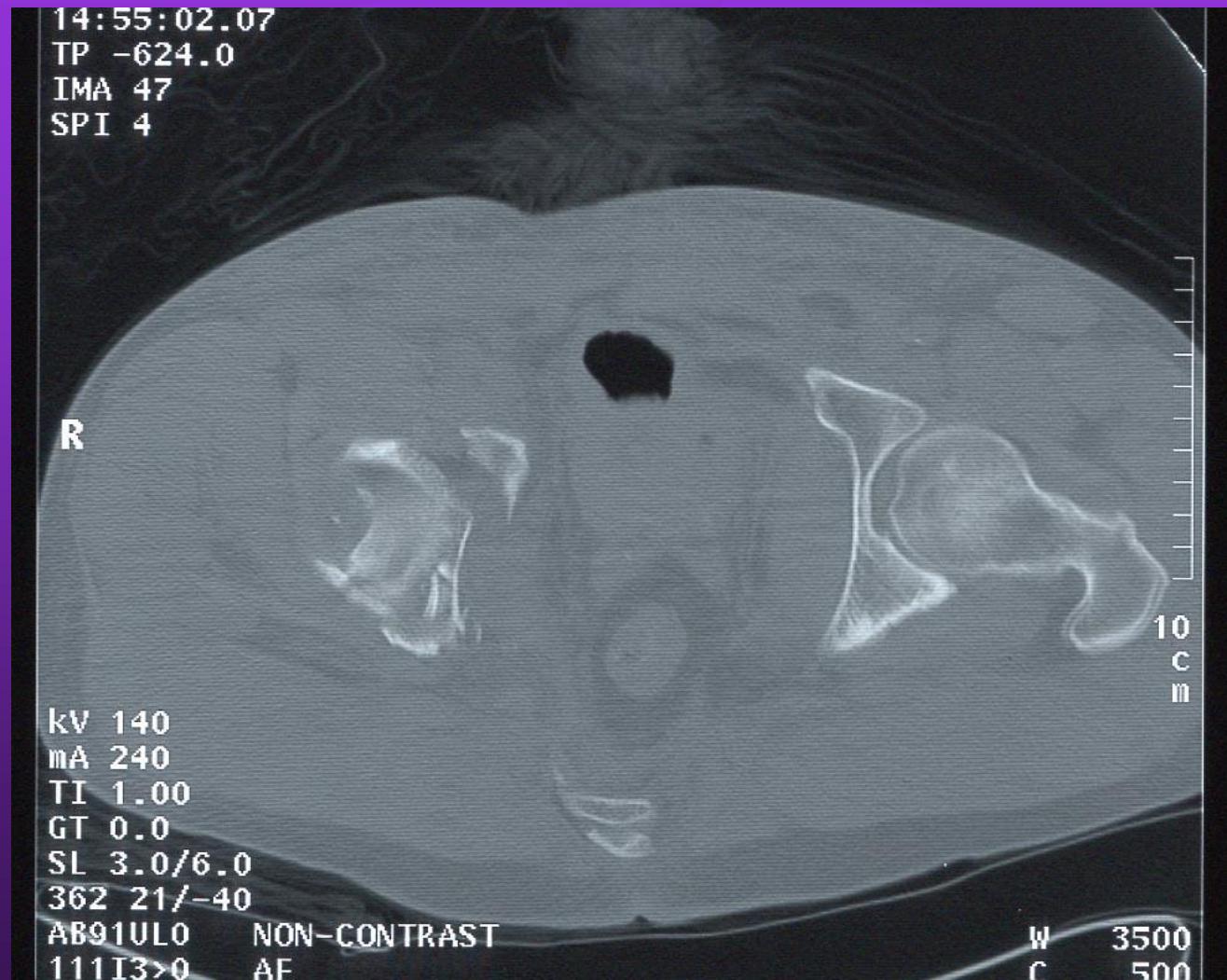
P -525.0

MA 13

PI 3



JA



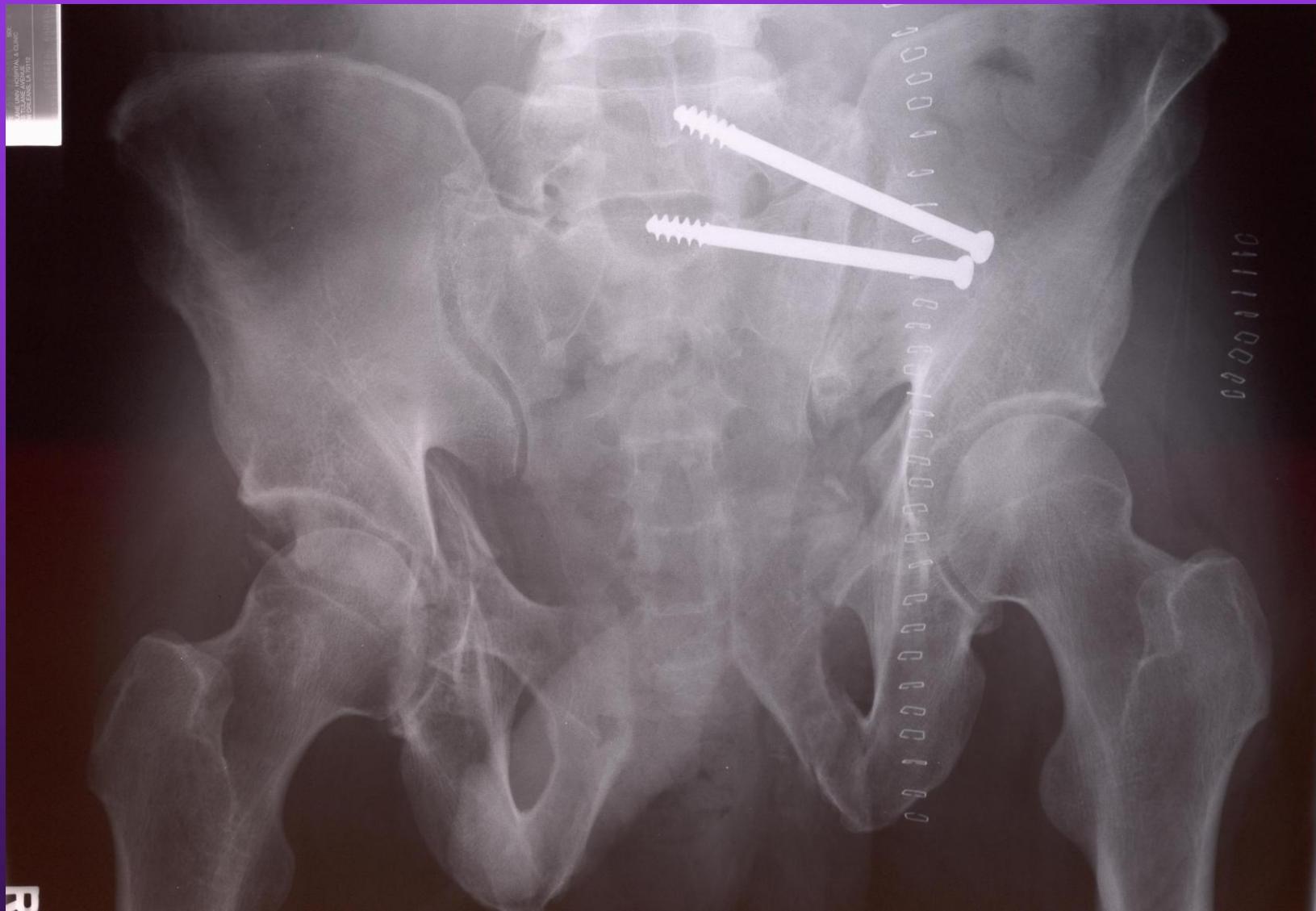
JA



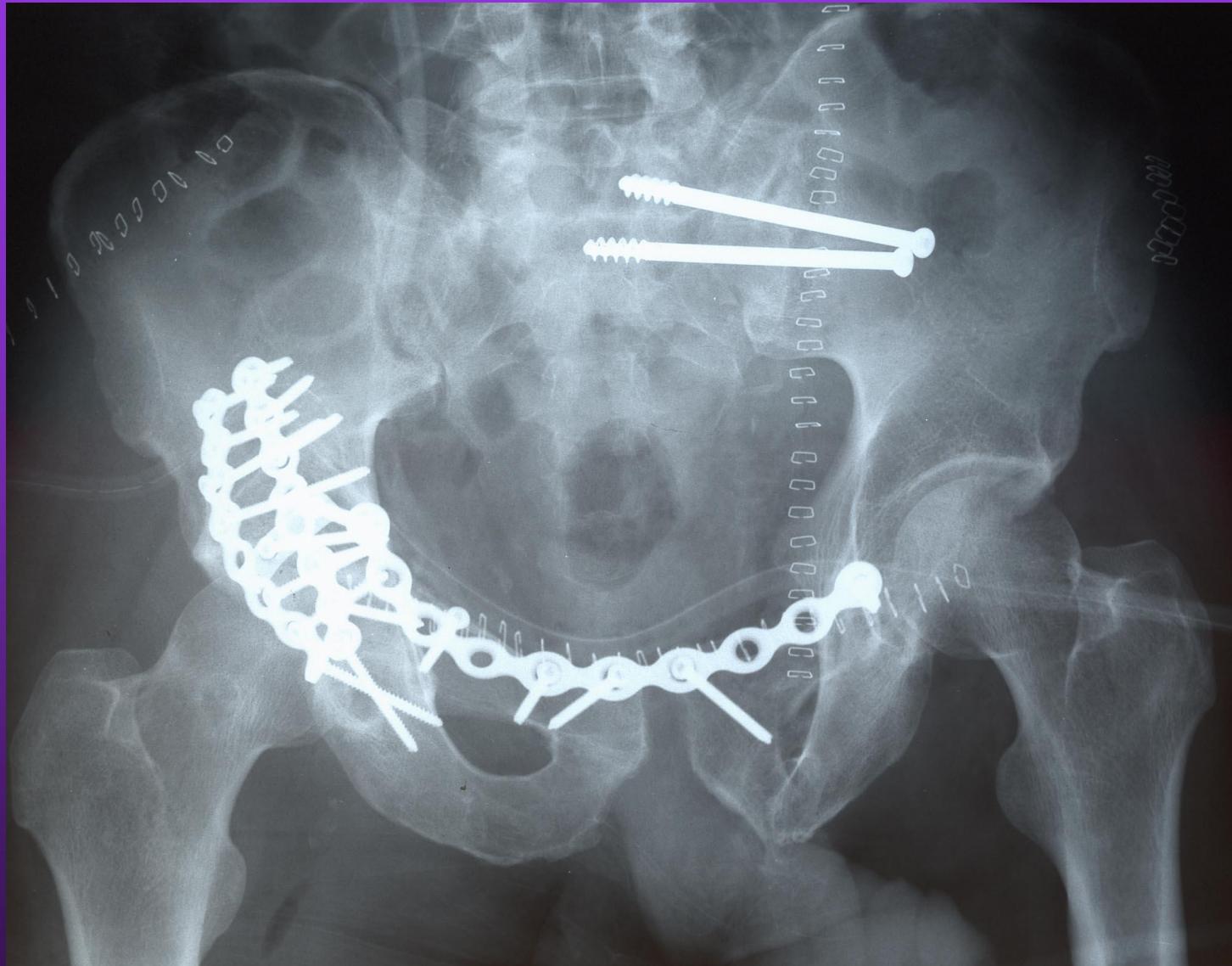
4 Stage Reconstruction

- Anterior - release of L SI joint, symphysis, ant column R
- Posterior - L SI joint release, reduction, and fixation
- EIF - Release of posterior column and ORIF of “T” PW
- Anterior - ORIF of symphysis

JA



JA



Dislocated Hip

- Emergent reduction (6-12 hrs)
general anesthesia preferred
- Central subluxation with Tr, BC, T-type or ACPHT-Distal femur skeletal traction

RIGHT



Se:9
Im:77

[A]

M.RAYMOND, P
Study Date:5/26/2010
Study Time:4:10:23 AM
MRN:



Omni 300

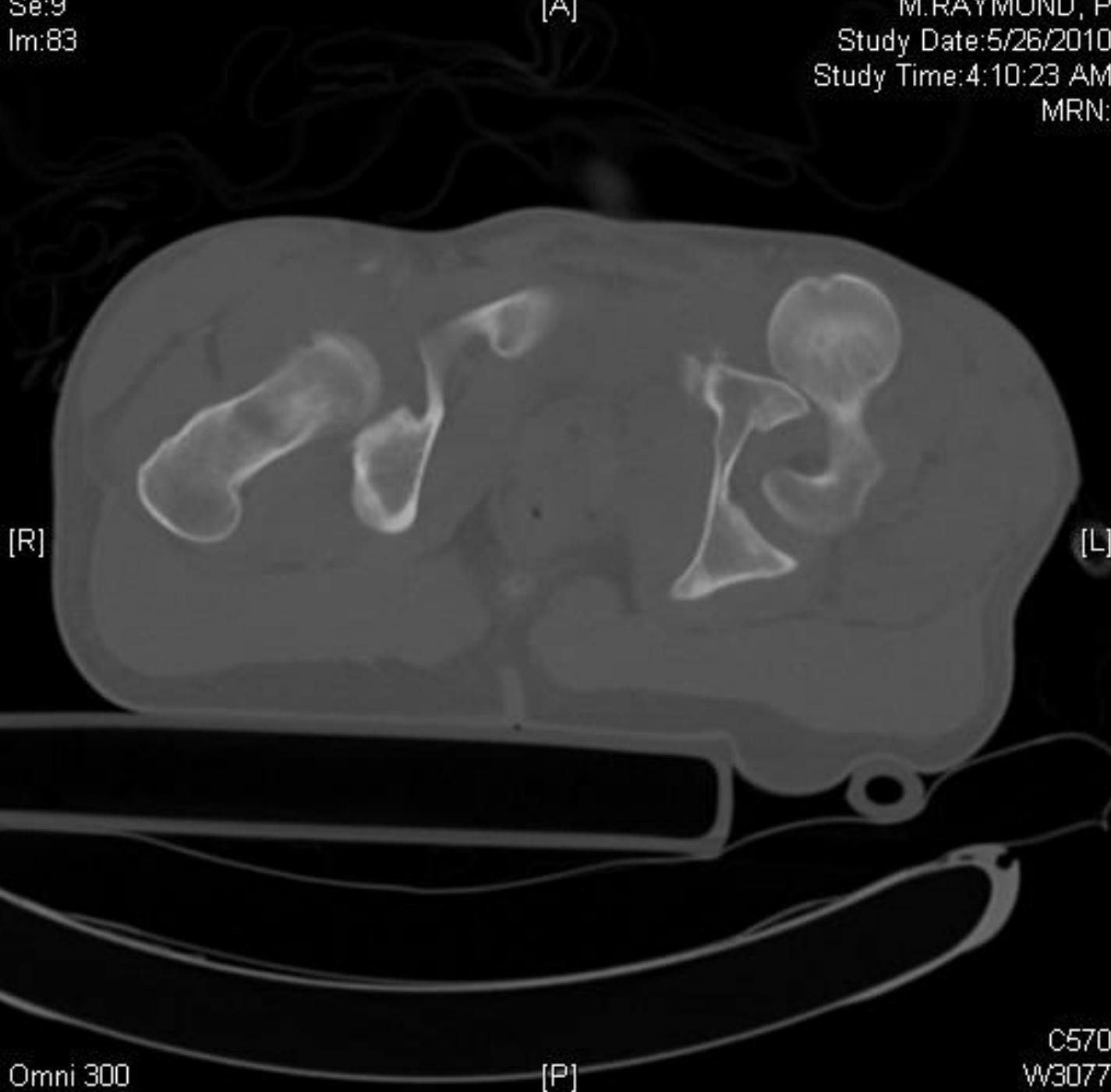
[P]

C570
W3077

Se:9
Im:83

[A]

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MRN:

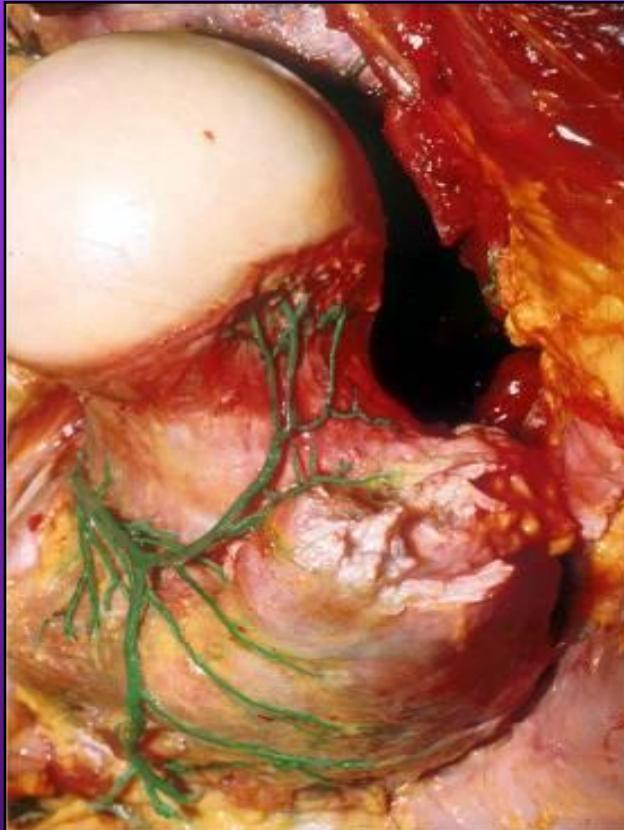


Omni 300

C570
W3077



Terminal subsynovial (retinacular) vessels



Superior
type

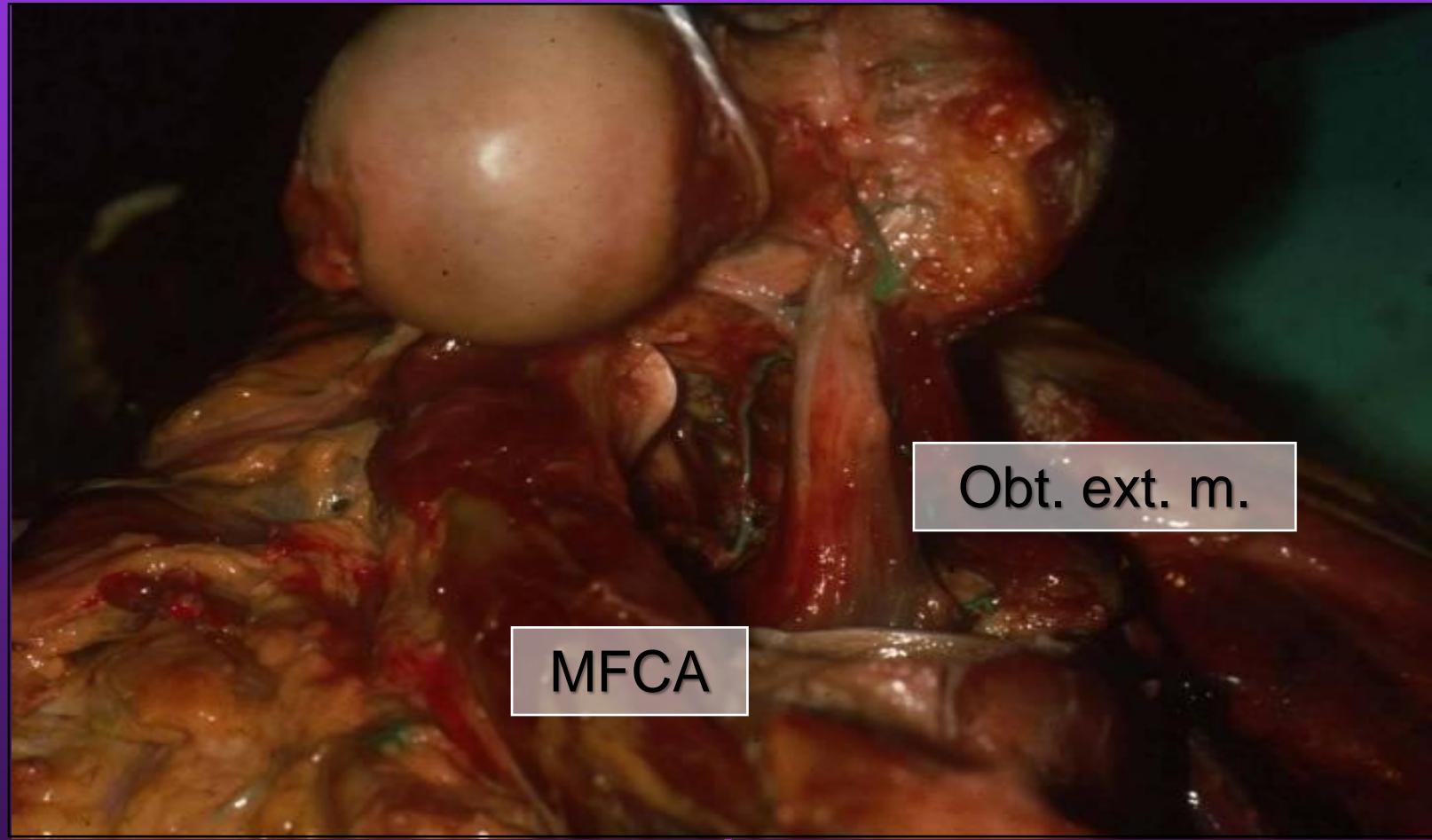


Mixed

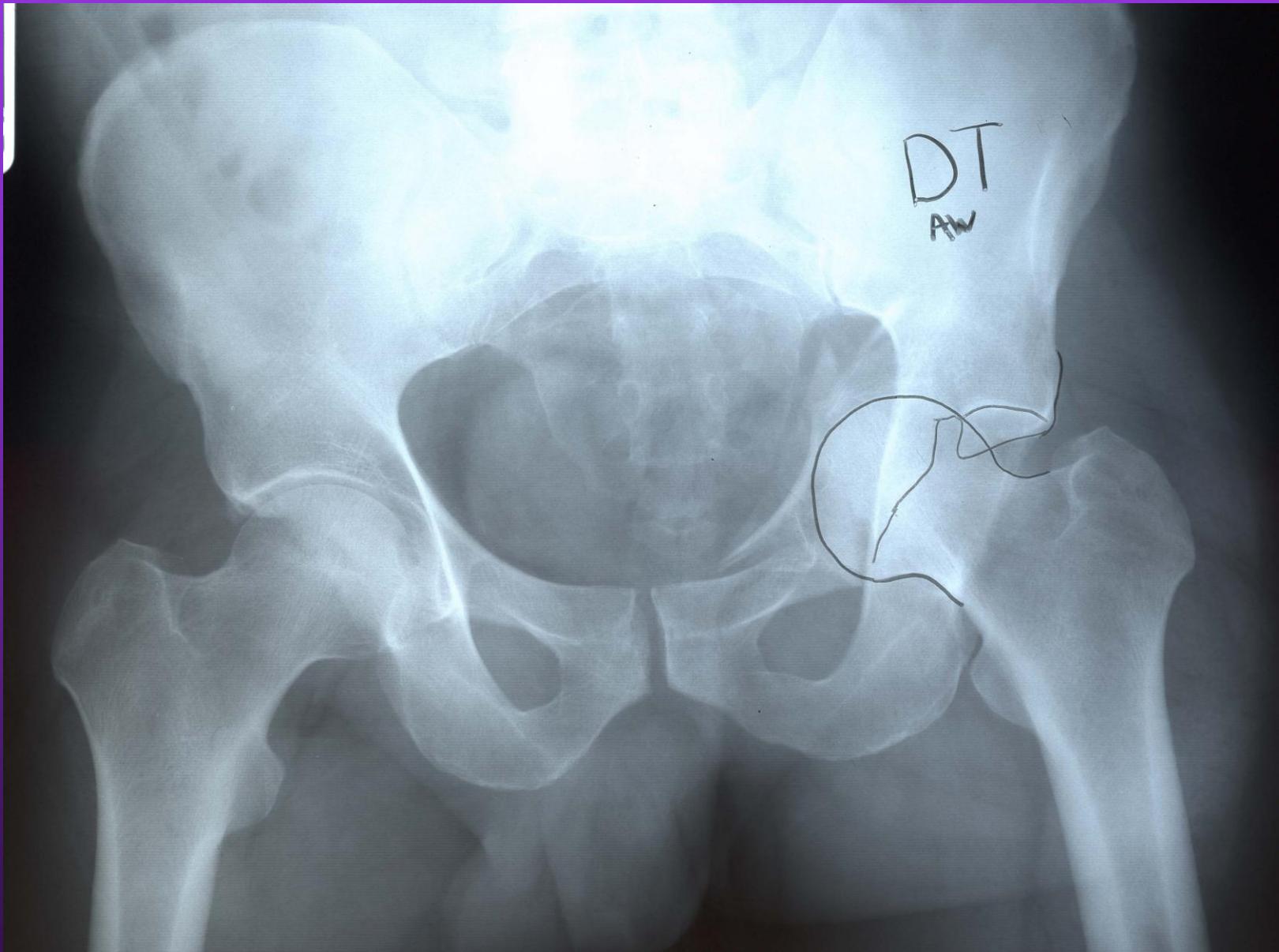


Post. neck
free of vessels

Obt. ext. m. protects MFCA



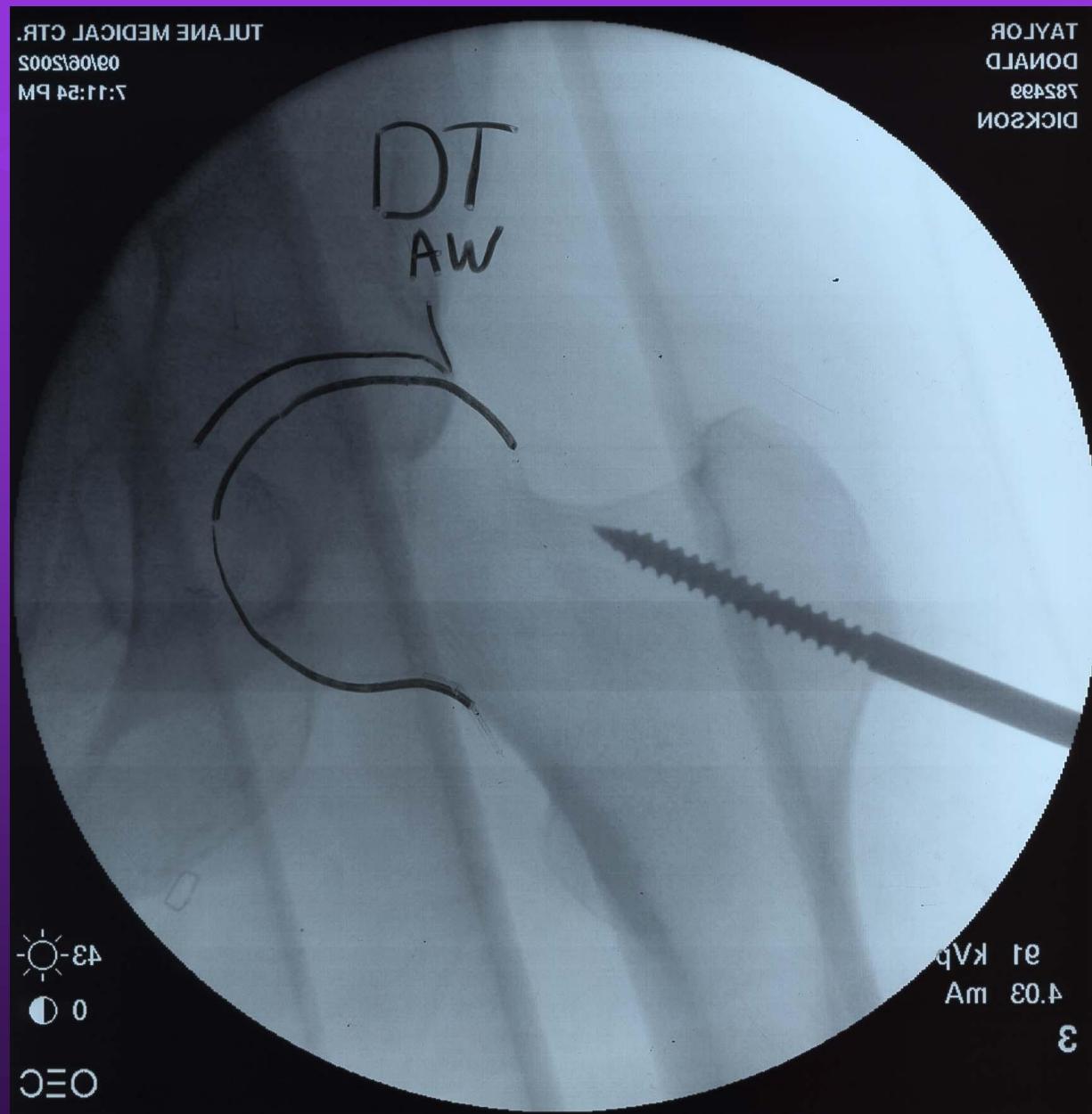
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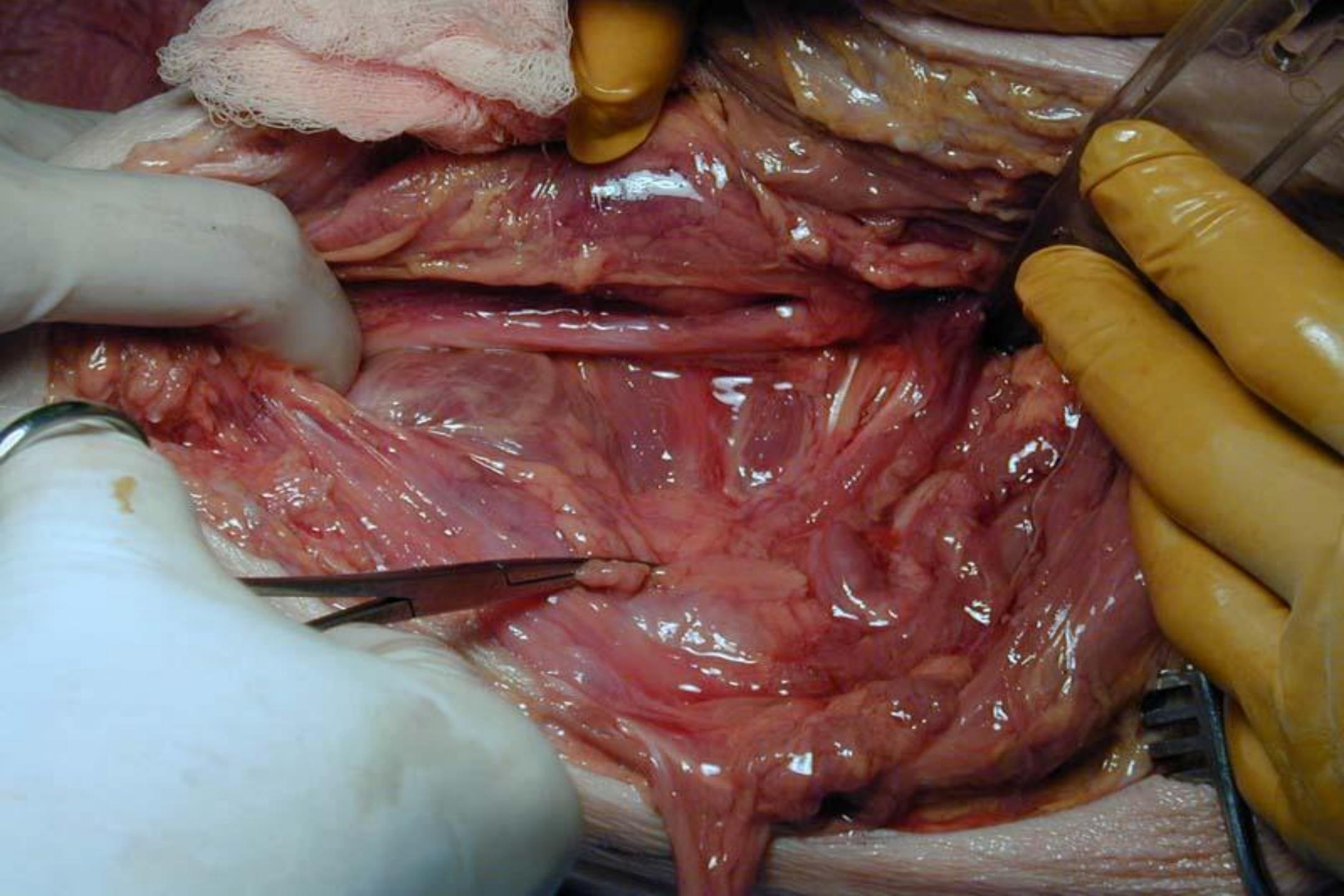


DT-9/5/02



DT-9/6/02





Emergency cont.

- Intrarticular fragments
- Associated femoral neck fracture

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EDUARDO

8 LAC/USC MED CTR
PICKER INTL 1200SX

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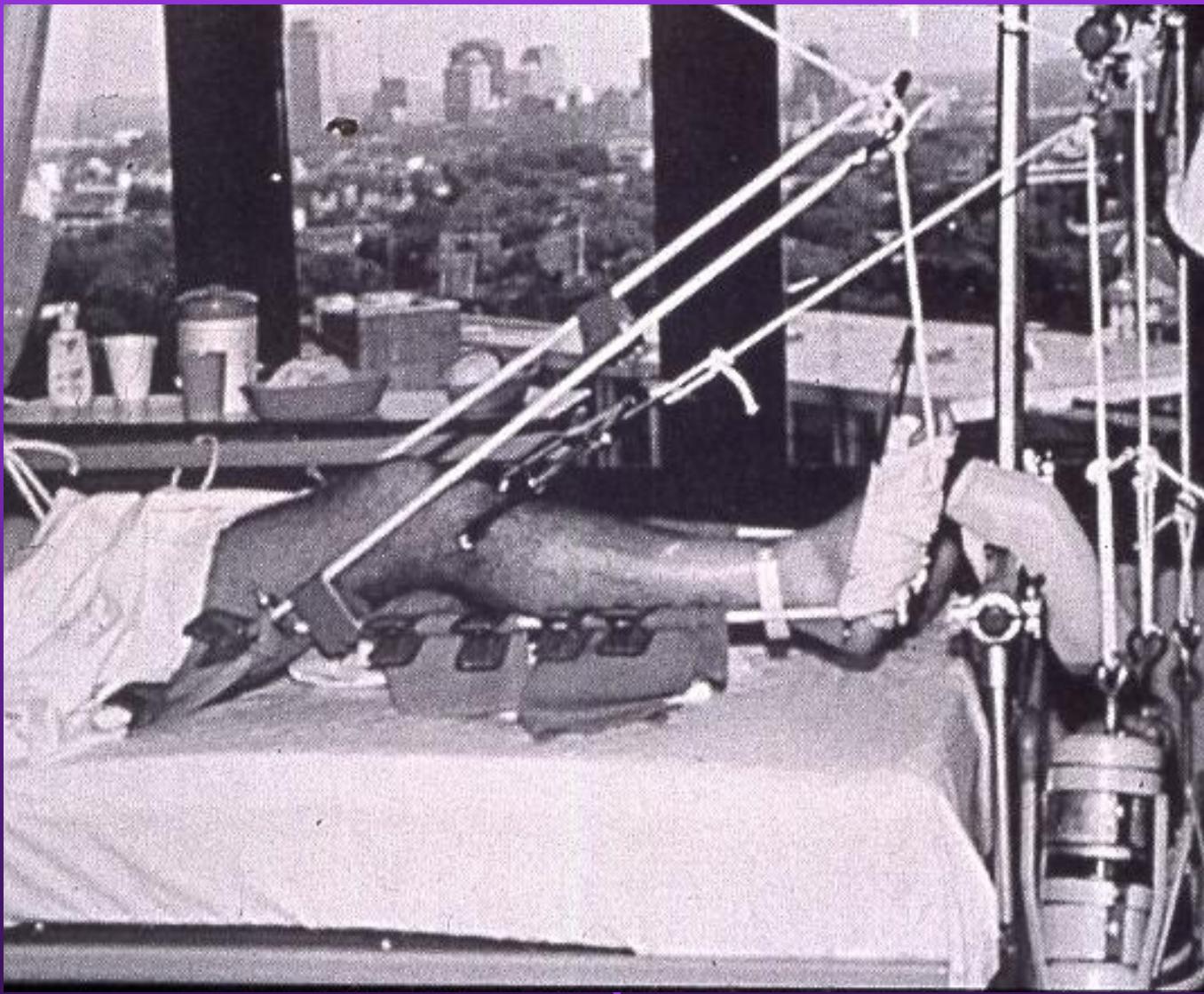
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15 CM

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Closed Treatment

- Traction
 - Rarely indicated because rarely successful
 - If done, displaced without traction → ORIF
 - If non-displaced, traction is not needed
- Non-displaced fracture TDWB x 8 weeks
 - Watch posterior column/posterior wall carefully

Conservative cont.

- Stable EUA (Posterior Wall fractures)
- Inexperience of the Surgeon and the team
- ?Medical contraindications
- Severe osteoporosis (Letournel)





“A MAN’S GOT TO KNOW HIS LIMITATIONS”



SEGALA
PRE







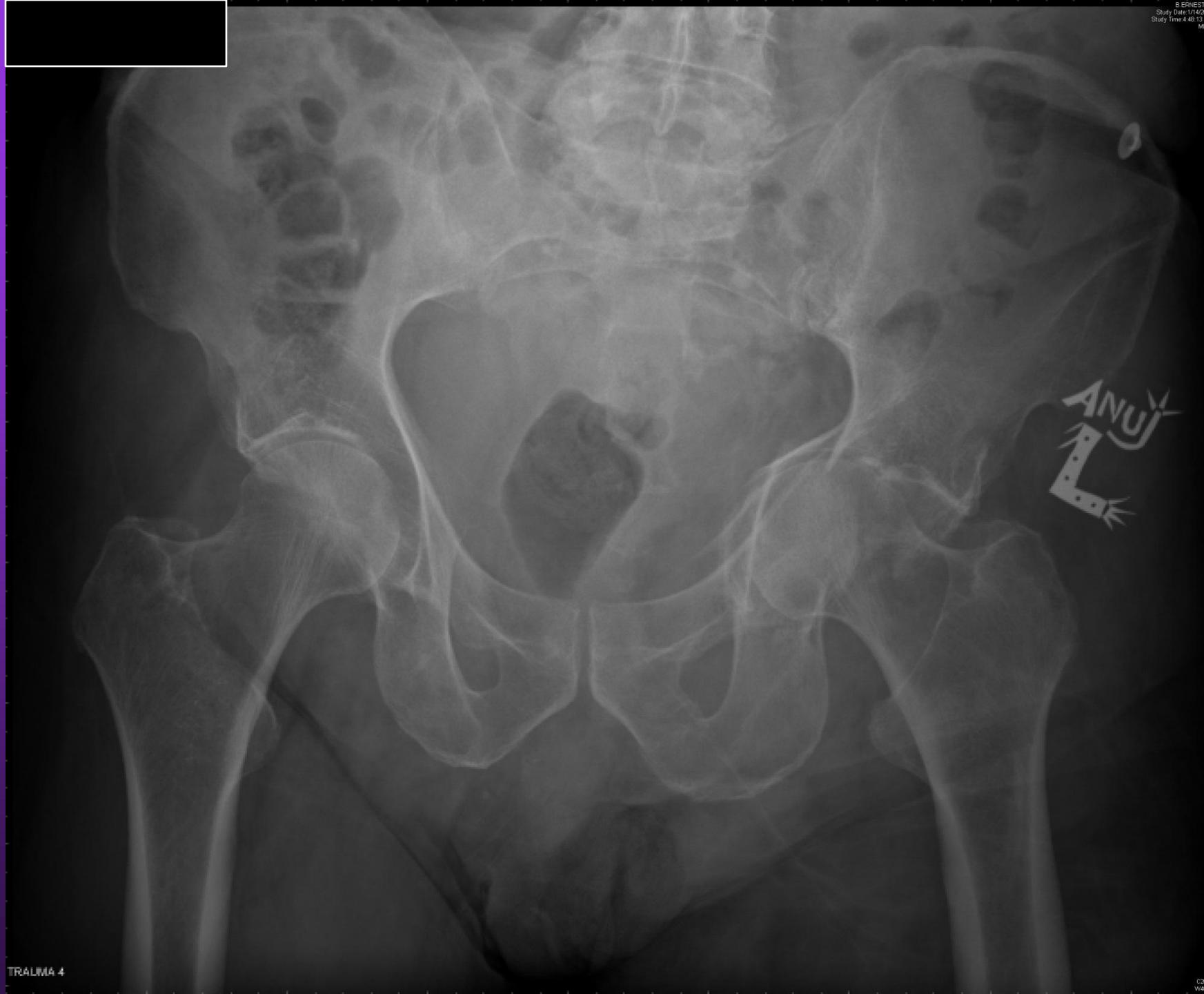
Timing of Surgery and Anatomical Reductions

- 0-7 Days 74%
- 8-14 Days 71%
- 15-21 Days 57%

Arthroplasty Versus Open Reduction Internal Fixation for Posterior Wall Aetabular Fractures in Middle-aged Patients

- Templeman et al, Feb JOT 2019







Make it perfect

O.R. PORT.
4-1428
85-50MAS

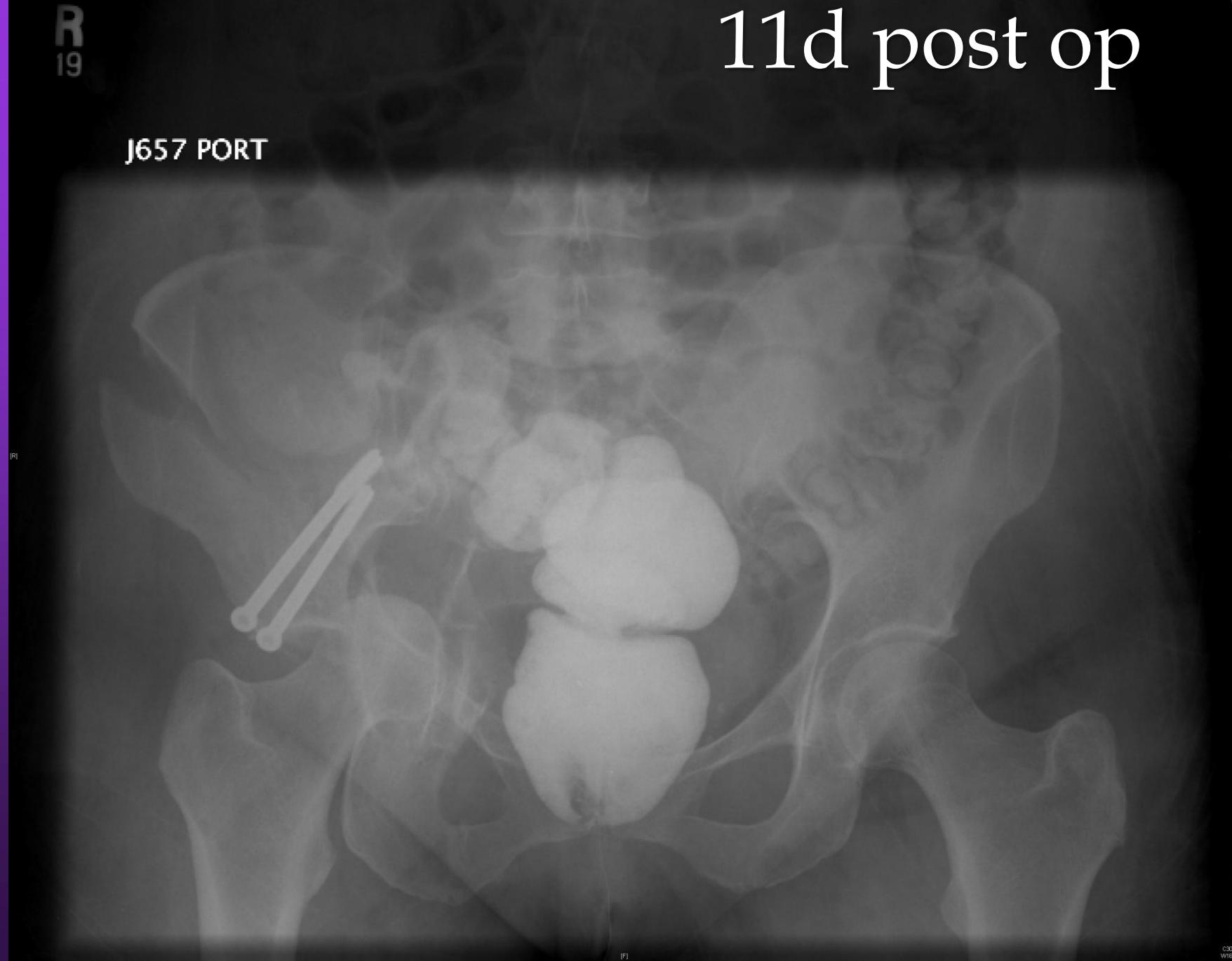
R
07



R
19

11d post op

J657 PORT





R

32 23

C2176
W2236



R

32 /23

[P]

3 yr fu



R
32/23

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Thank You

Charity Hospital, New Orleans

