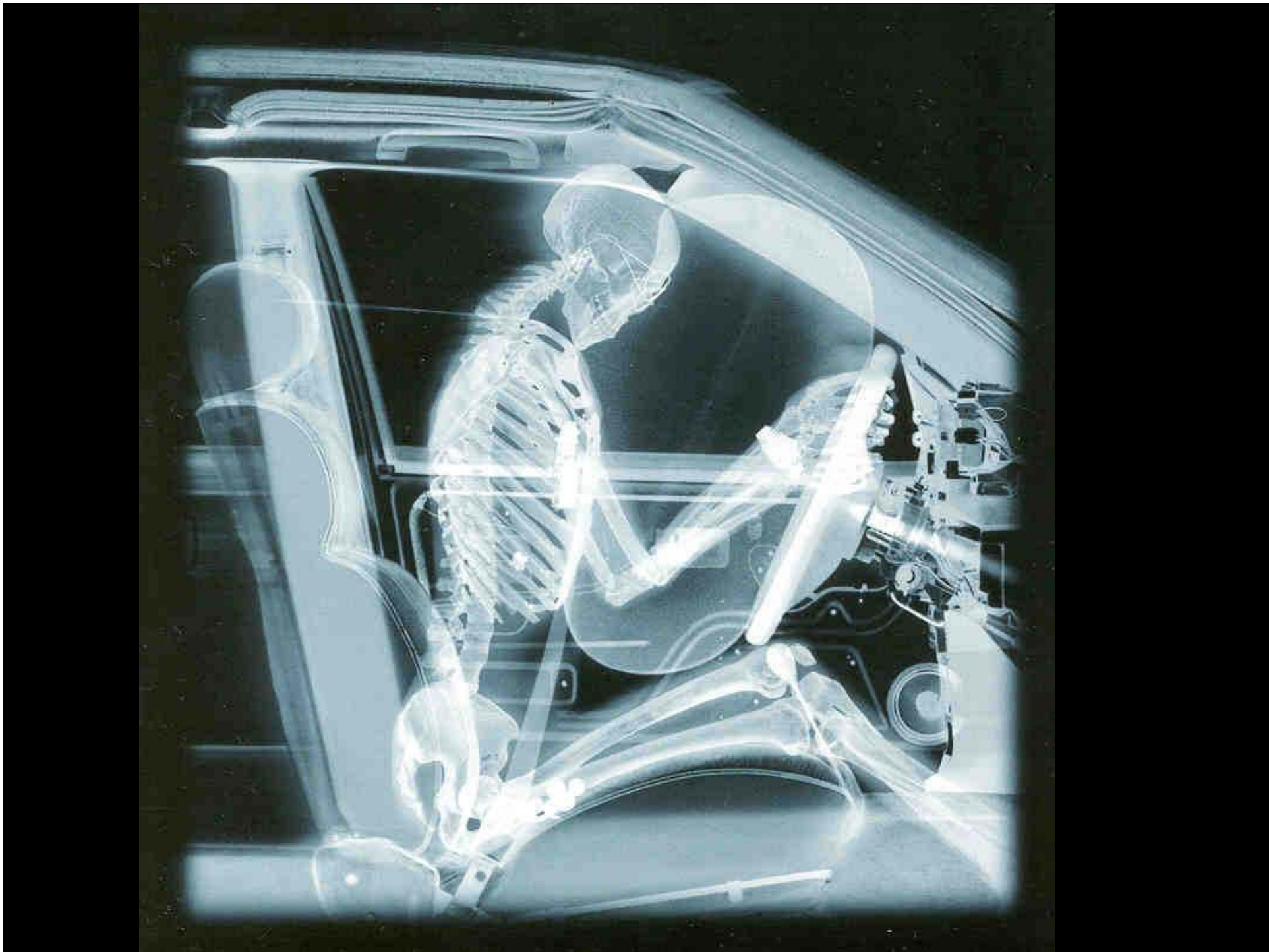
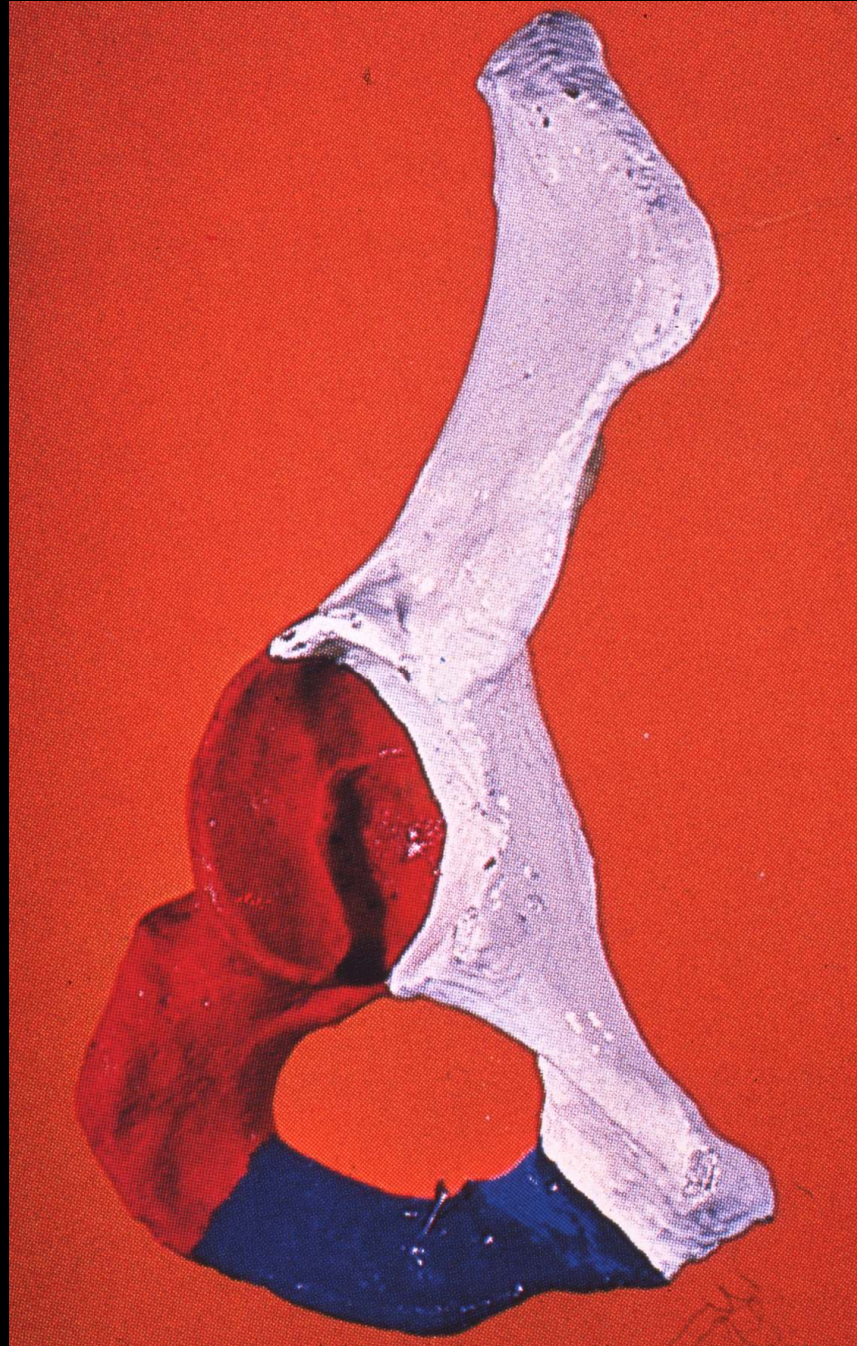
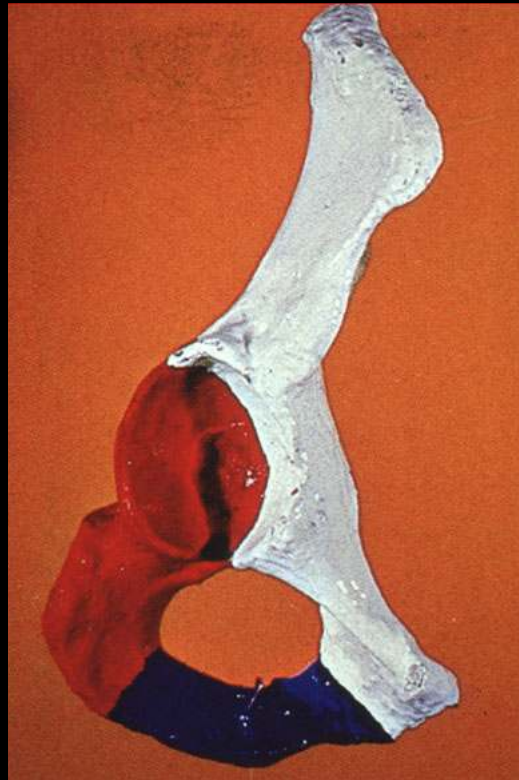


Acetabular fractures

- Discussion





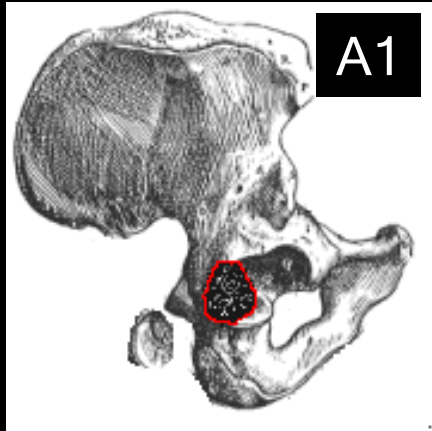


Obturator oblique
Judet view

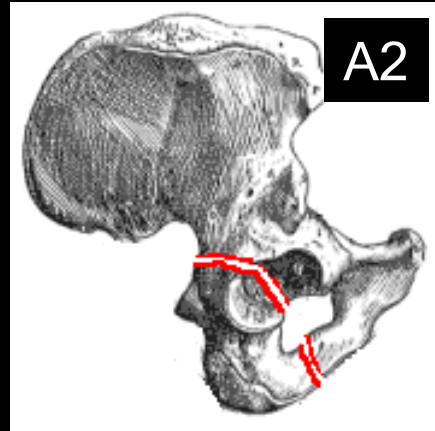


Iliac oblique
Judet view

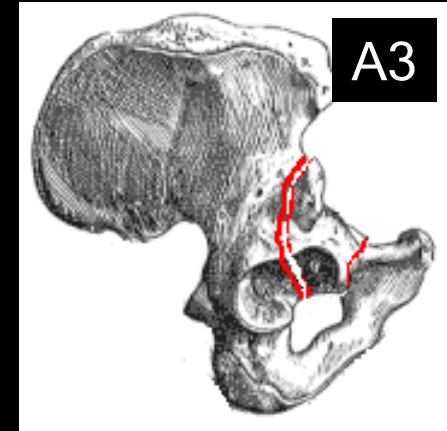
Letournel: simple fractures



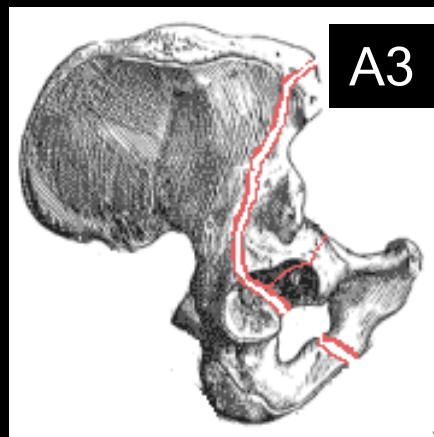
posterior wall



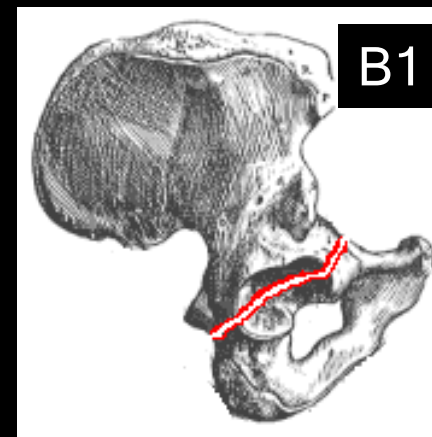
posterior column



anterior wall

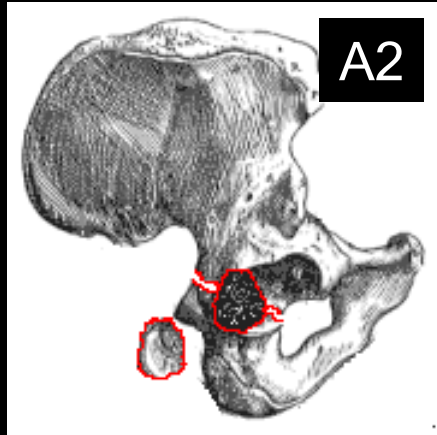


anterior column

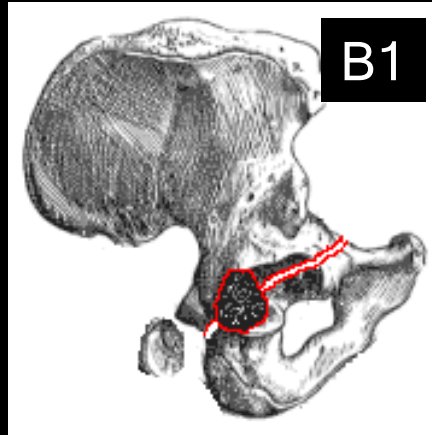


transverse

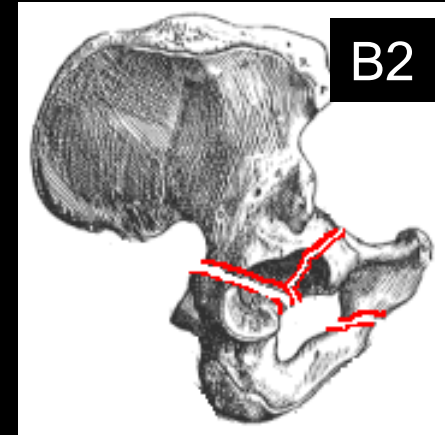
Letournel: complex fractures



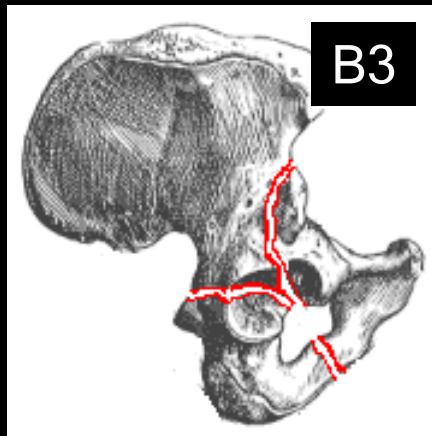
posterior column
+ posterior wall



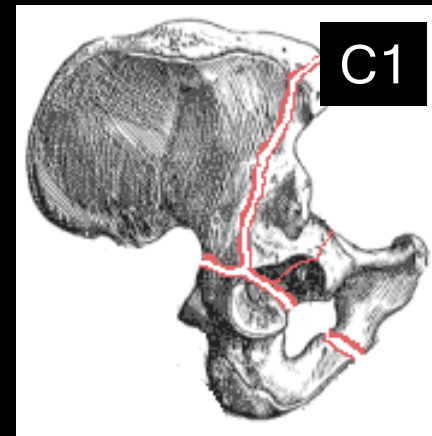
transverse
+ posterior wall



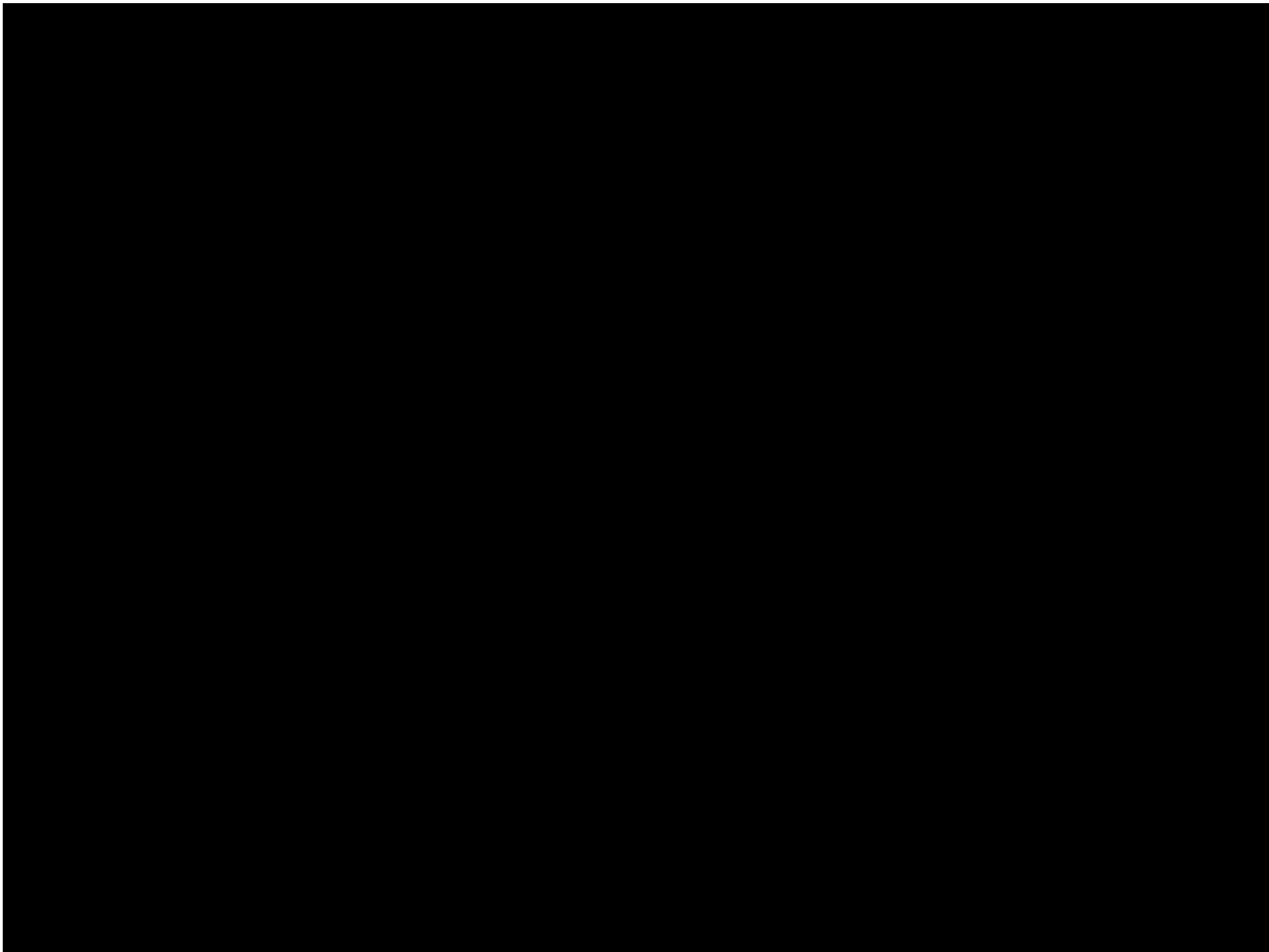
T-shaped



anterior column
+ posterior hemitransverse



both columns





AP X-ray

Patient's position

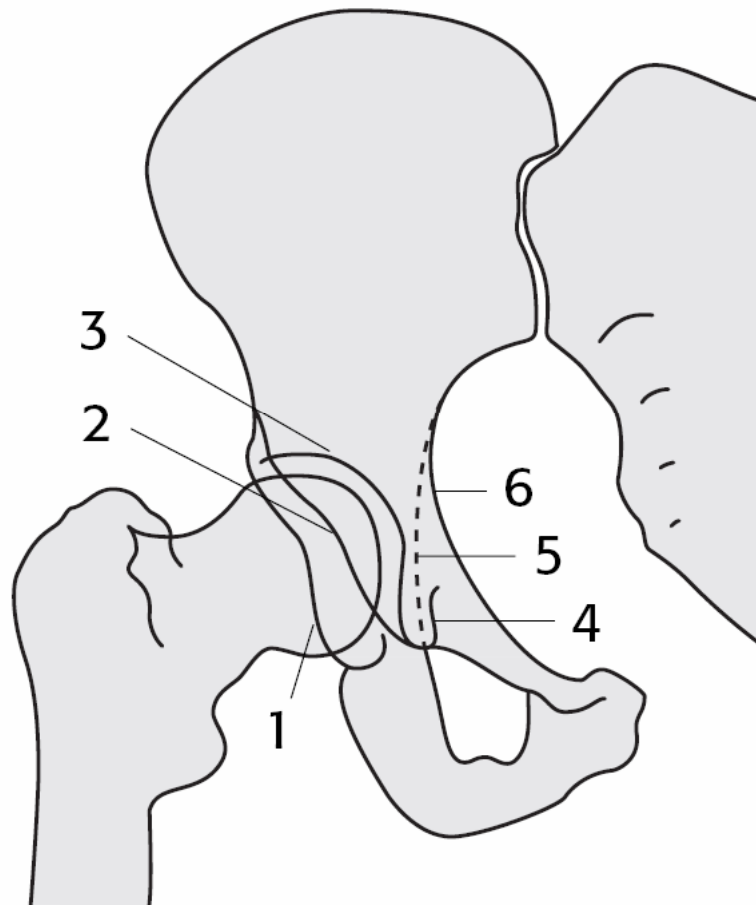
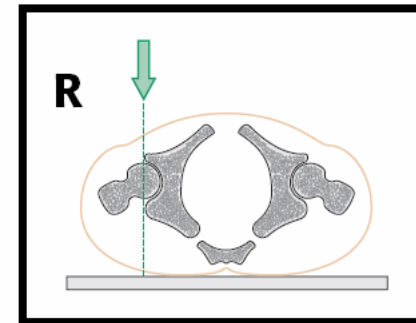
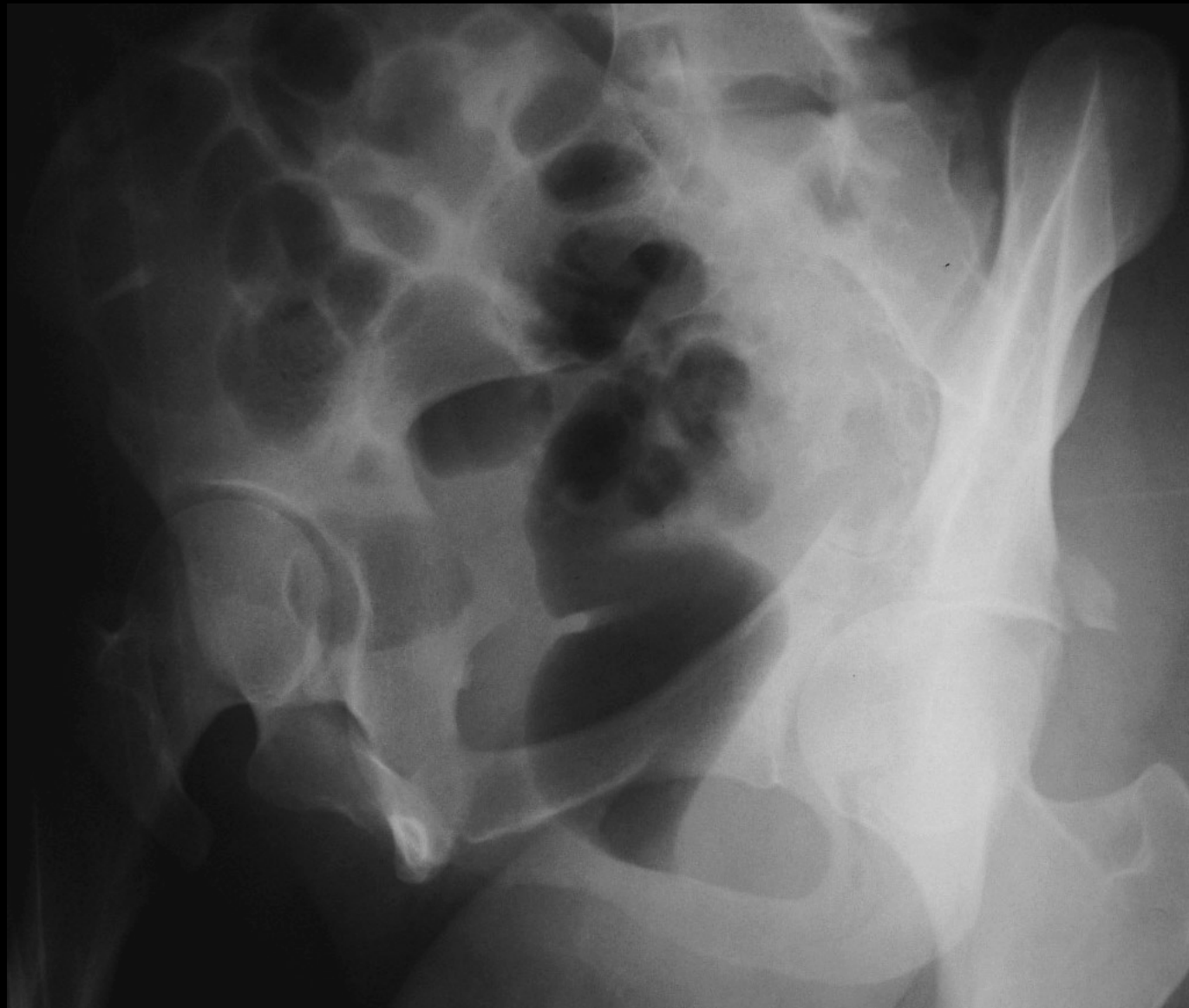


Fig. 4.5-1: The six fundamental radiographic landmarks of Letournel

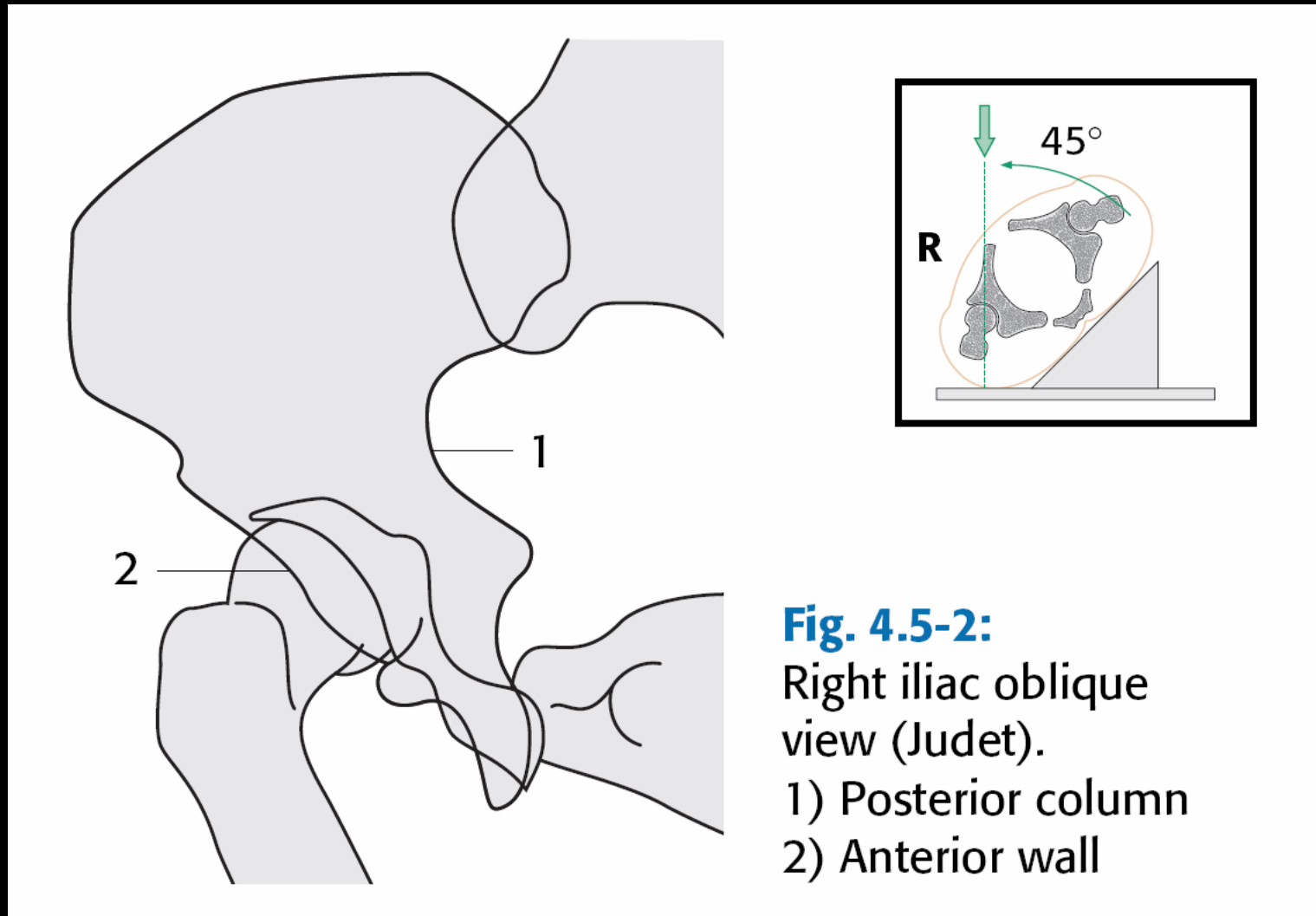
- 1) Posterior wall (border or lip) of acetabulum
- 2) Anterior wall (border or lip) of acetabulum
- 3) Roof (dome or sourcil)
- 4) Teardrop
- 5) Ilioischial line (posterior column)
- 6) Brim of pelvis (anterior column)

Iliac oblique
Judet view

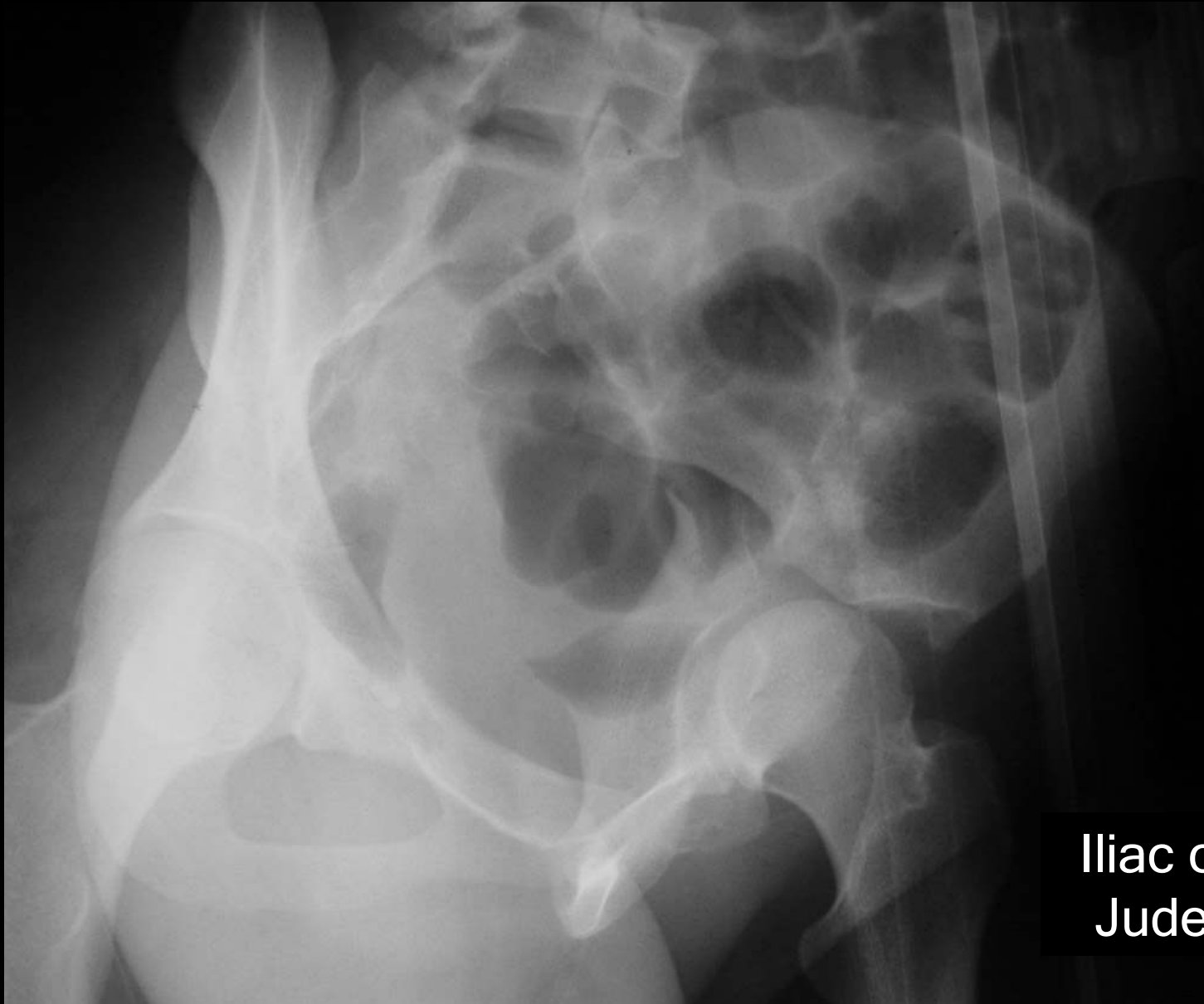
Obturator oblique
Judet view



Iliac oblique Judet view for posterior column and anterior wall

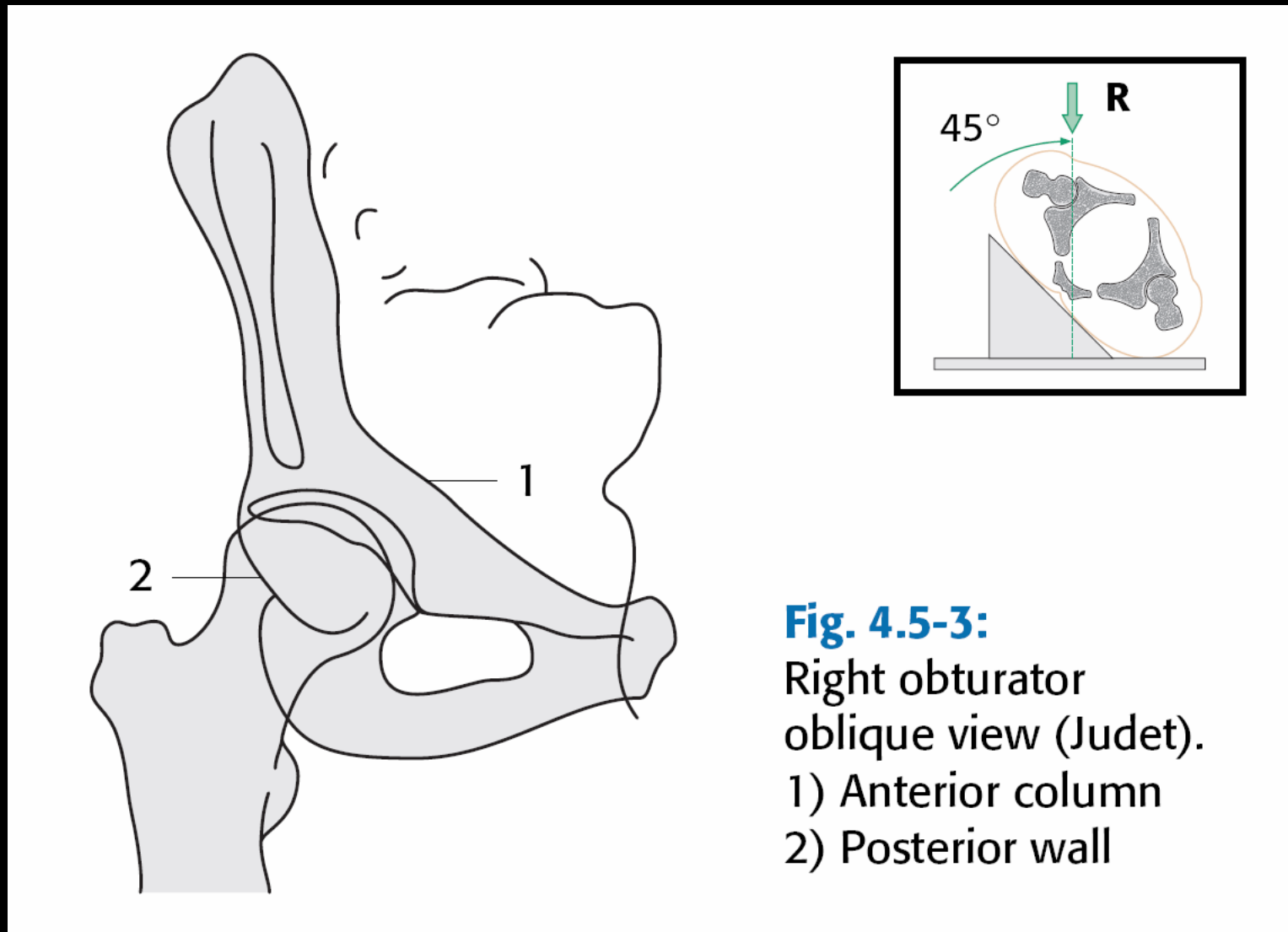


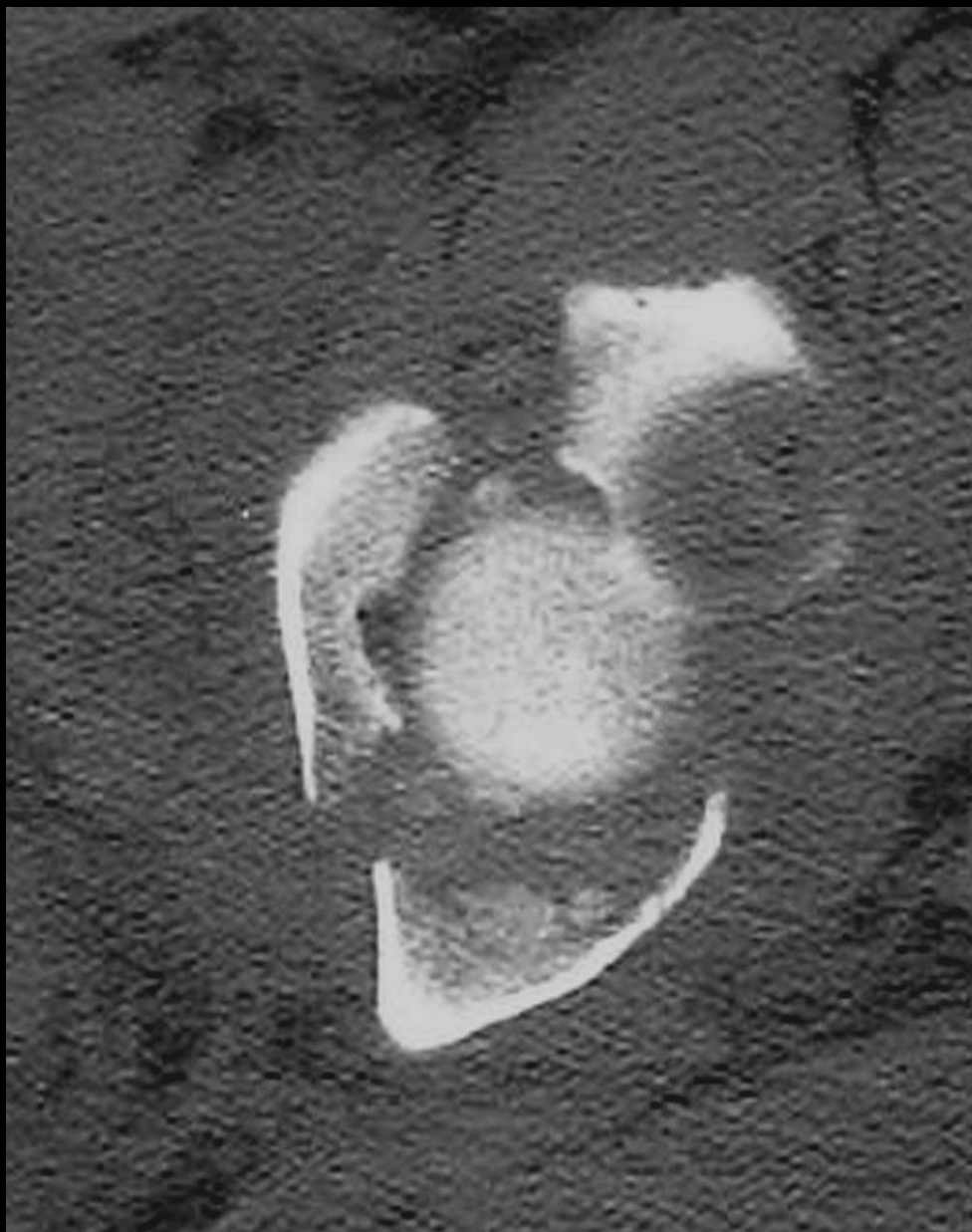
Obturator oblique
Judet view



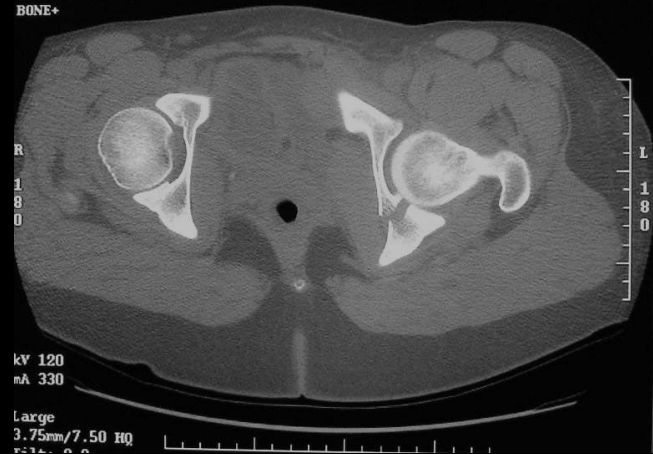
Iliac oblique
Judet view

Obturator oblique Judet view for anterior column and posterior wall





LightSpeed Plus SYS#CT01_0C0 A 180 MILTON KEYNES GENERAL HOSPITAL.
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 Se: 2 FAMORIYO DEBORAH
 IC 1170.50 F 27 475-729
 In: 100 DOB: 06 Sep 1974
 24 Jan 2002 512

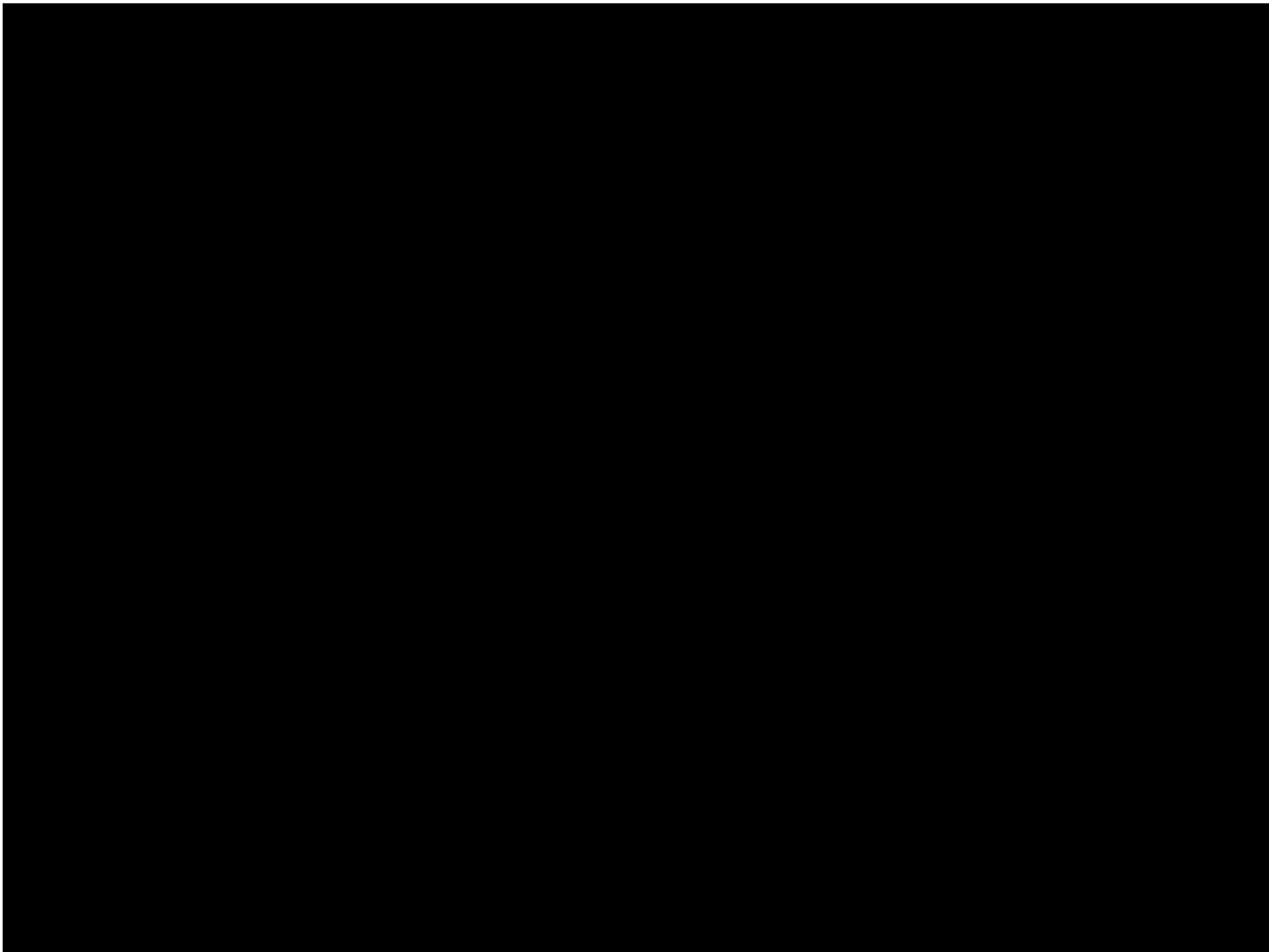


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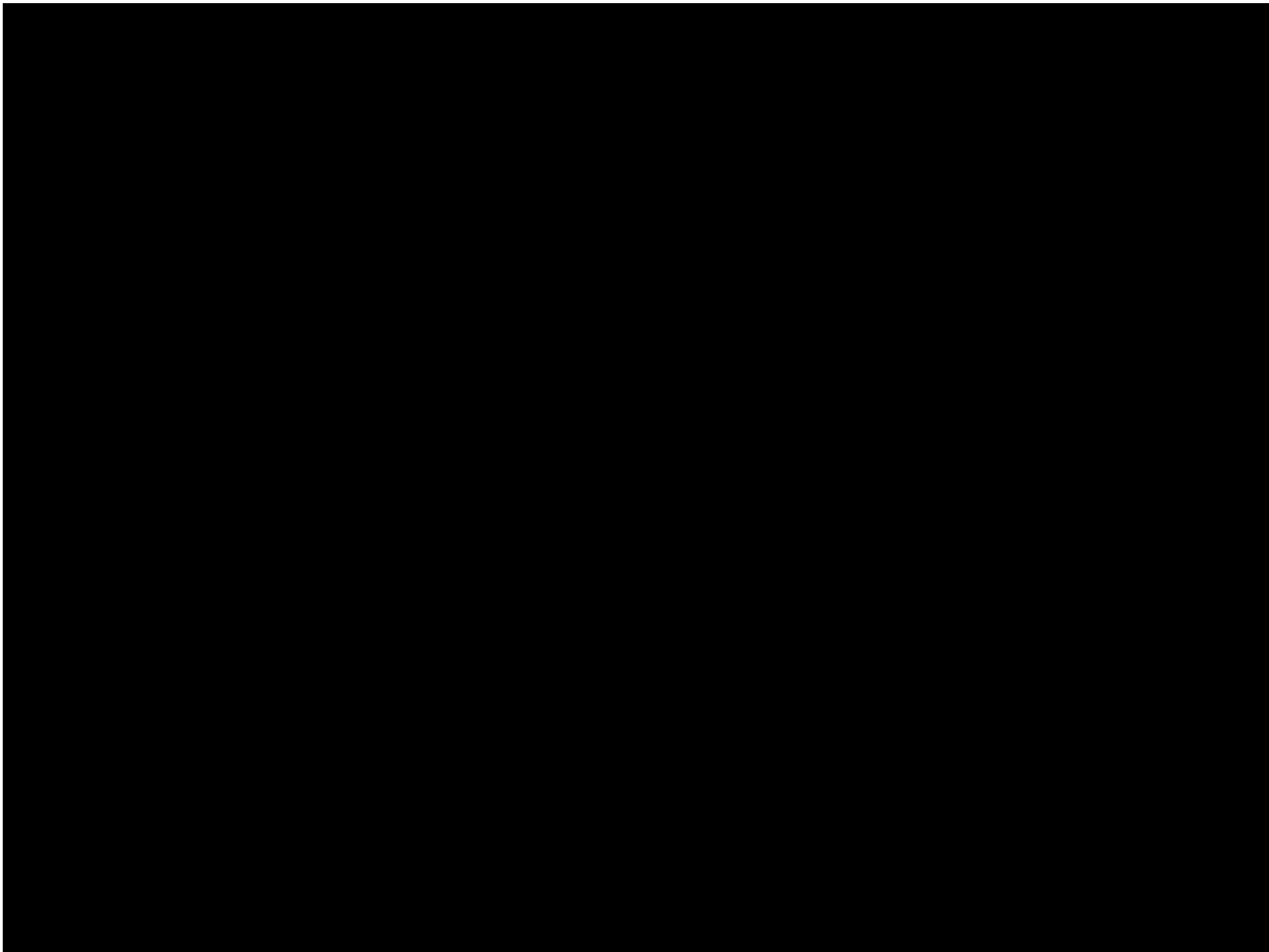


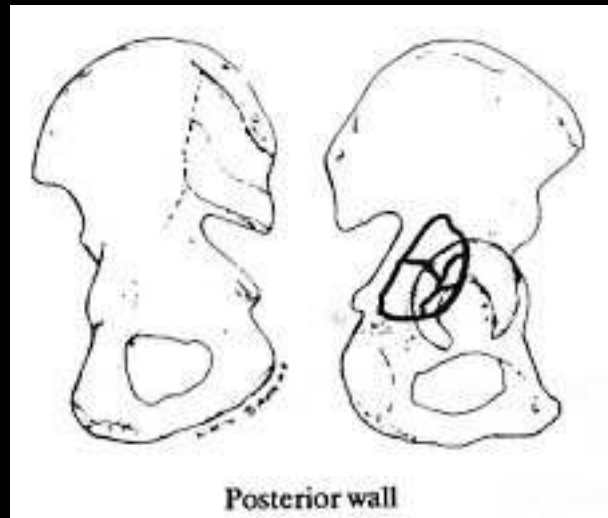
on
traction

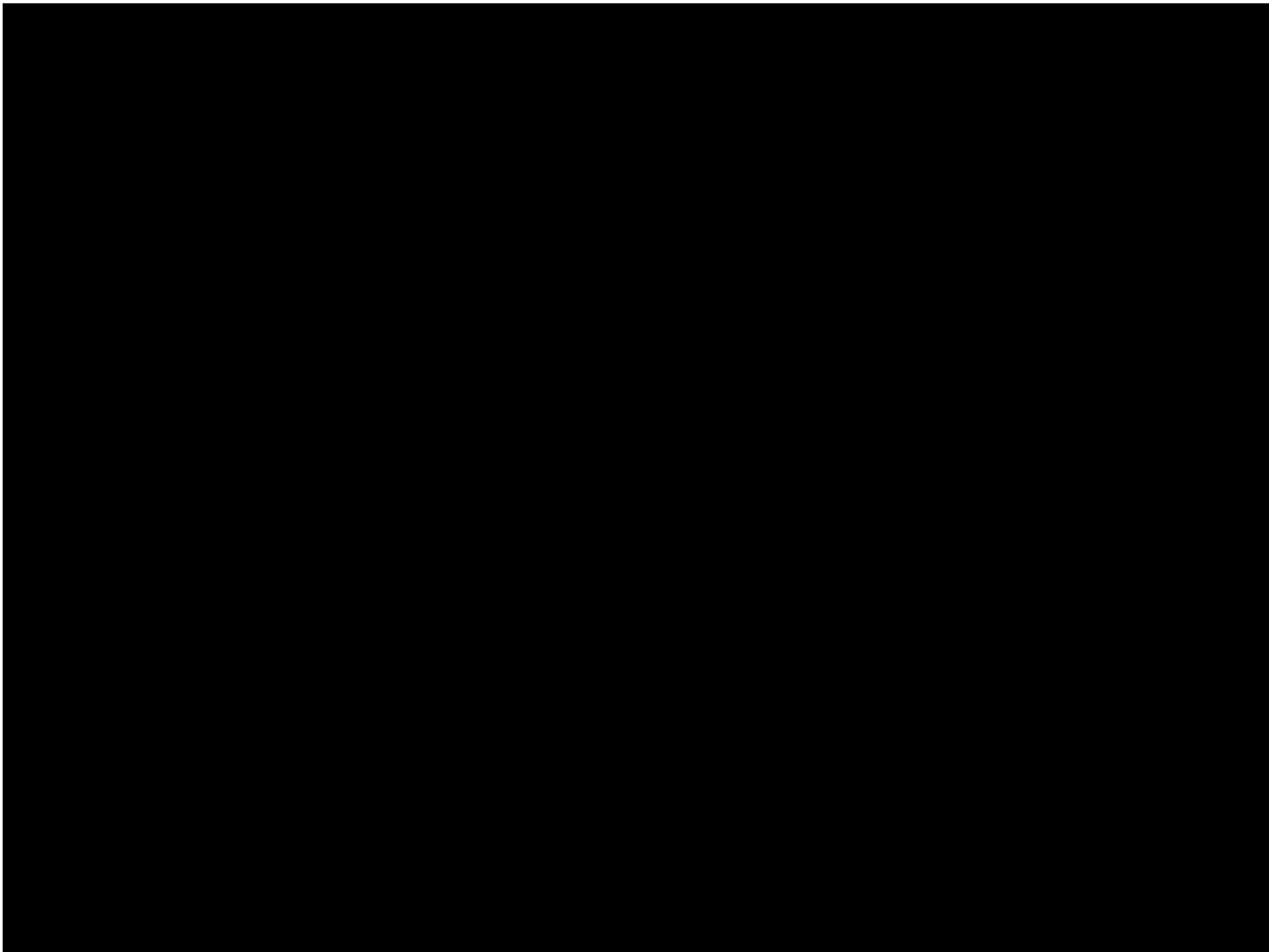
















Iliac
oblique
Judet view

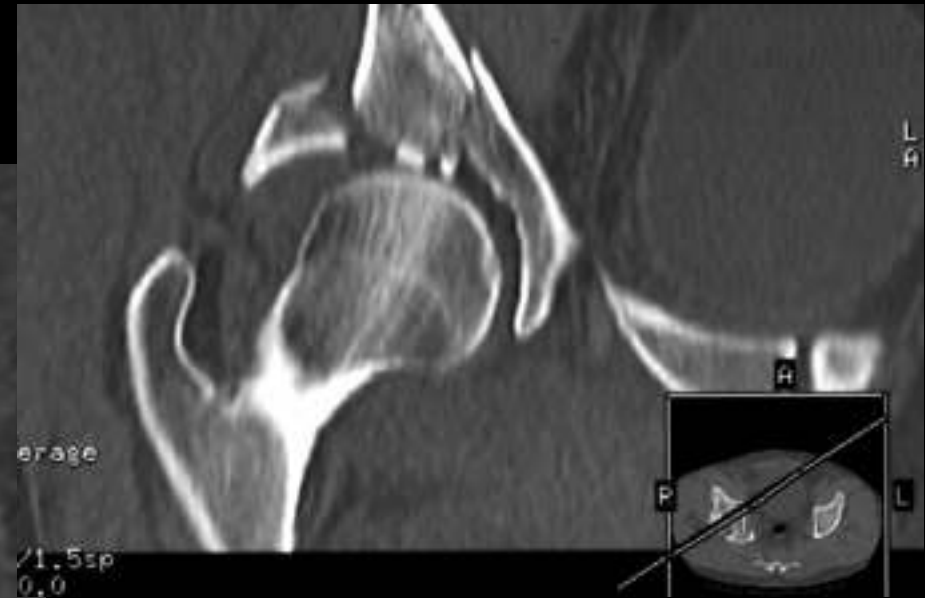
for
posterior column
and
anterior wall



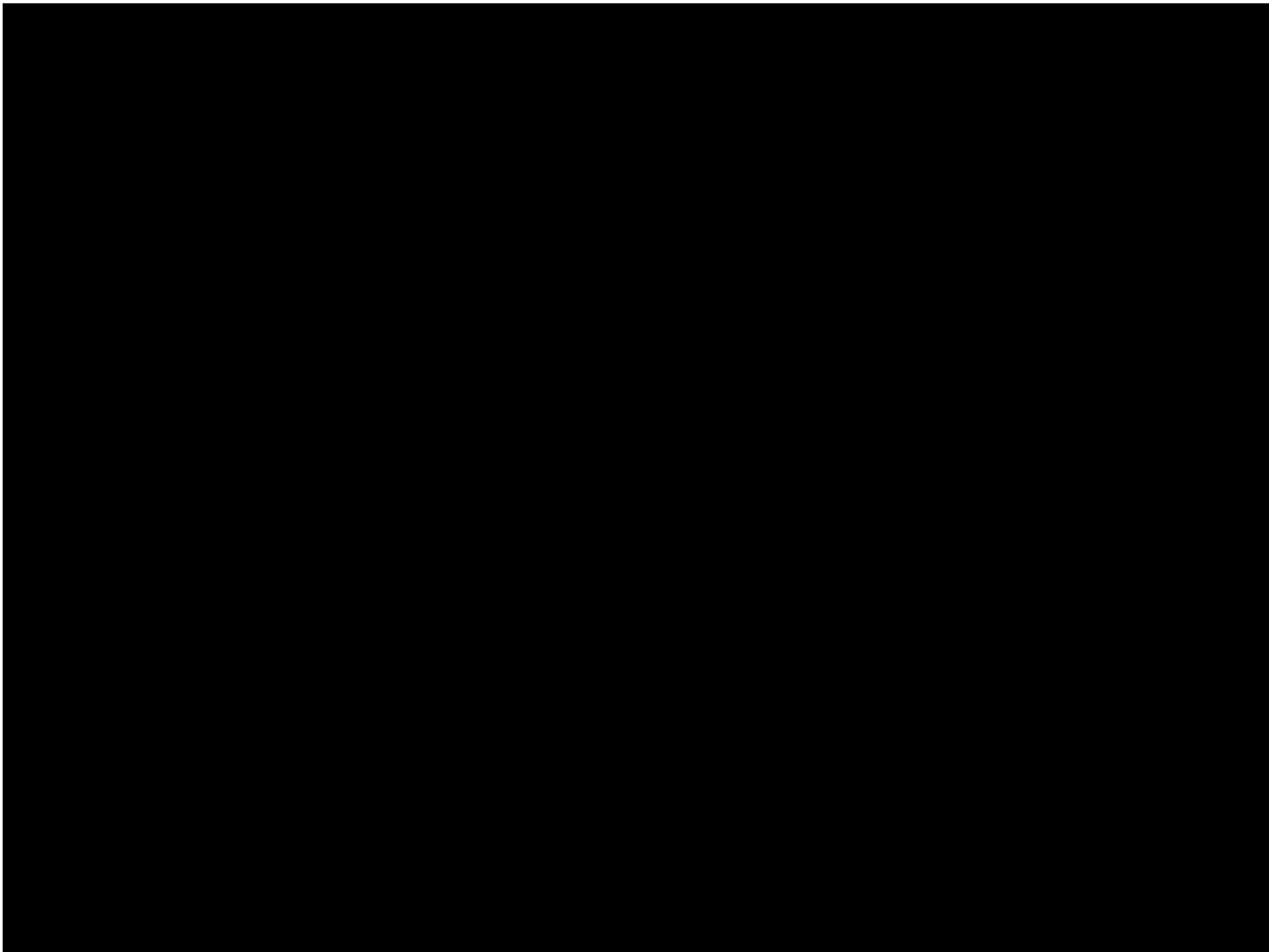
Obturator
oblique
Judet view

for
anterior column
and
posterior wall

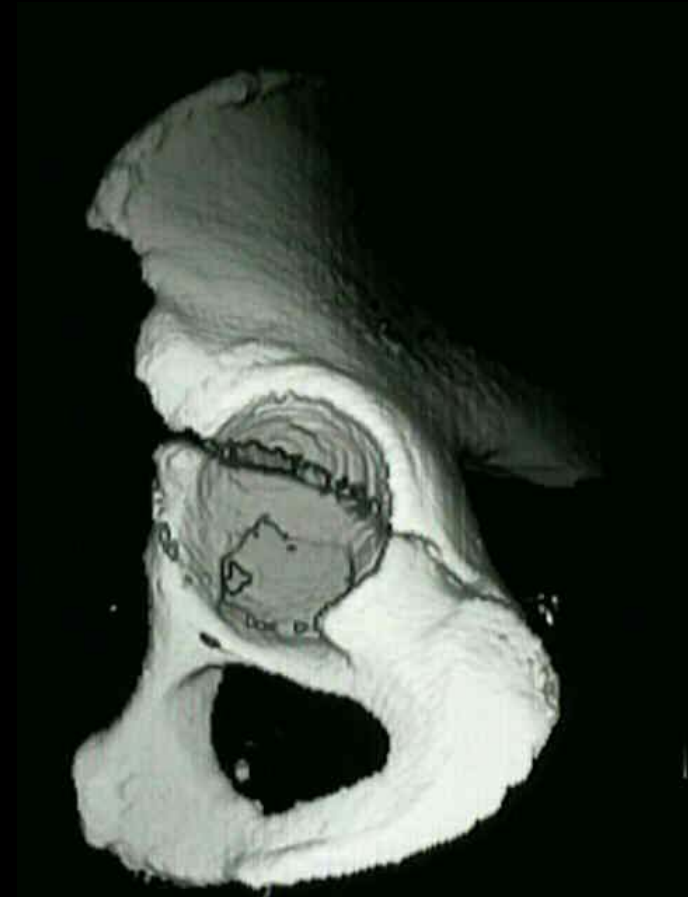
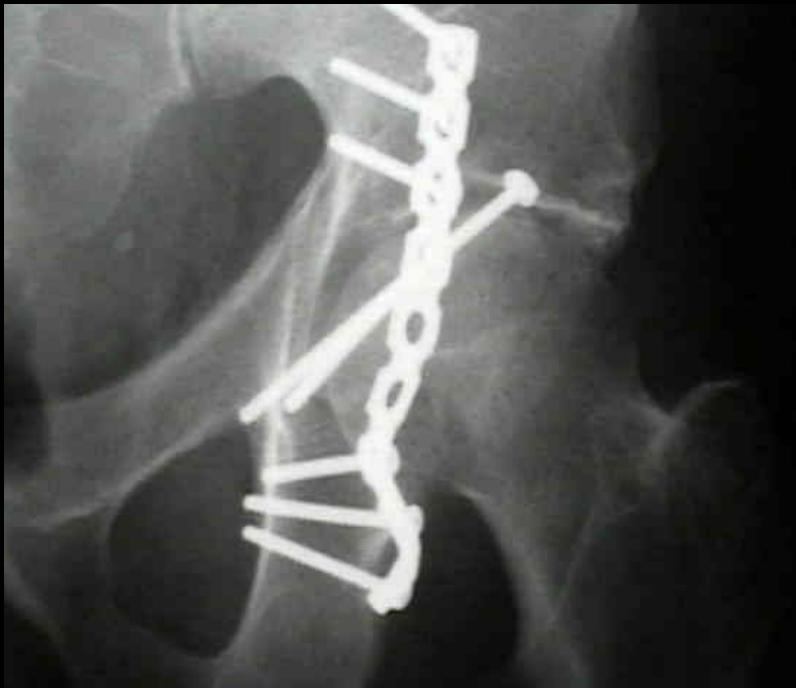


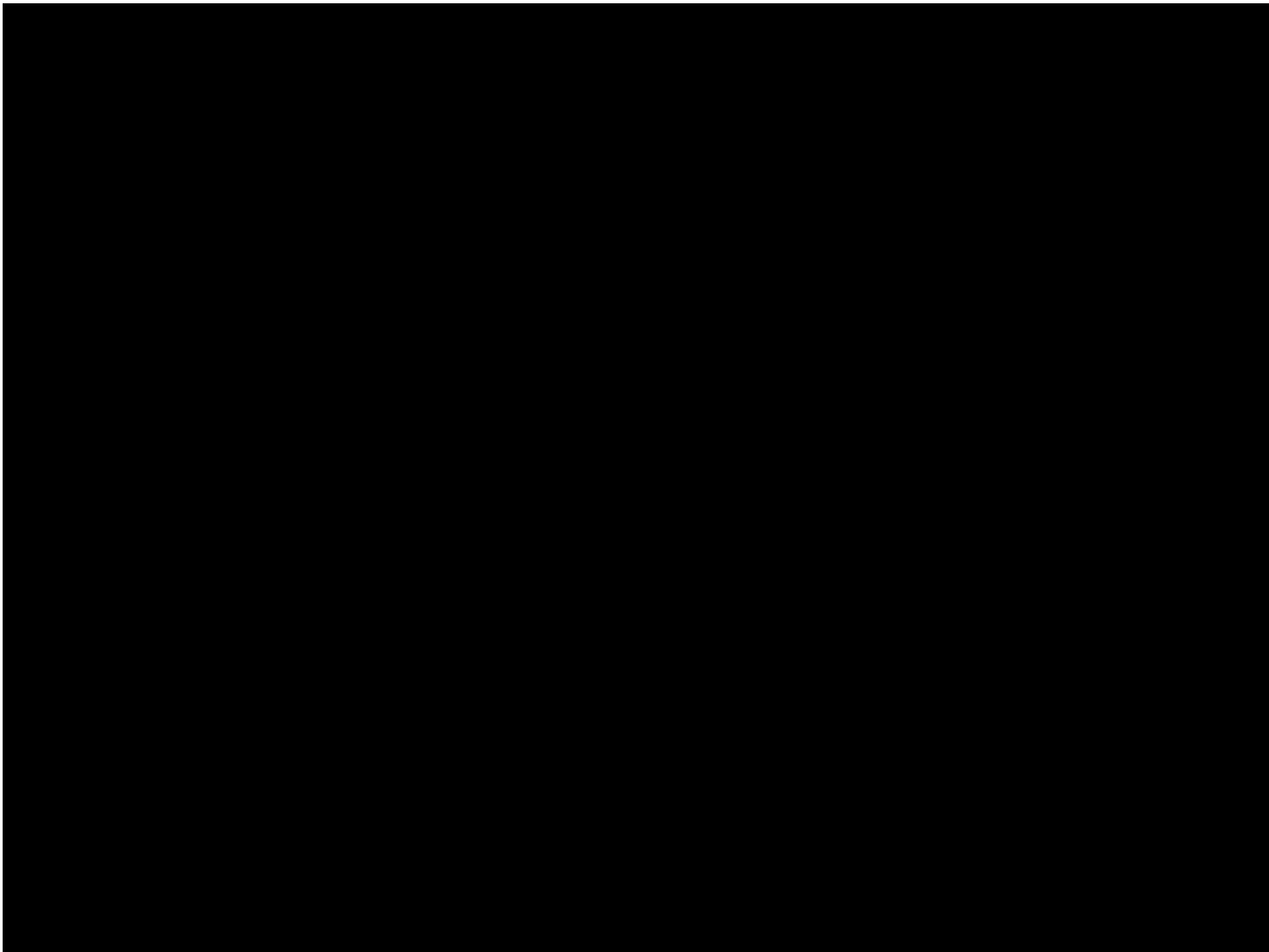


Both columns



Transverse fracture

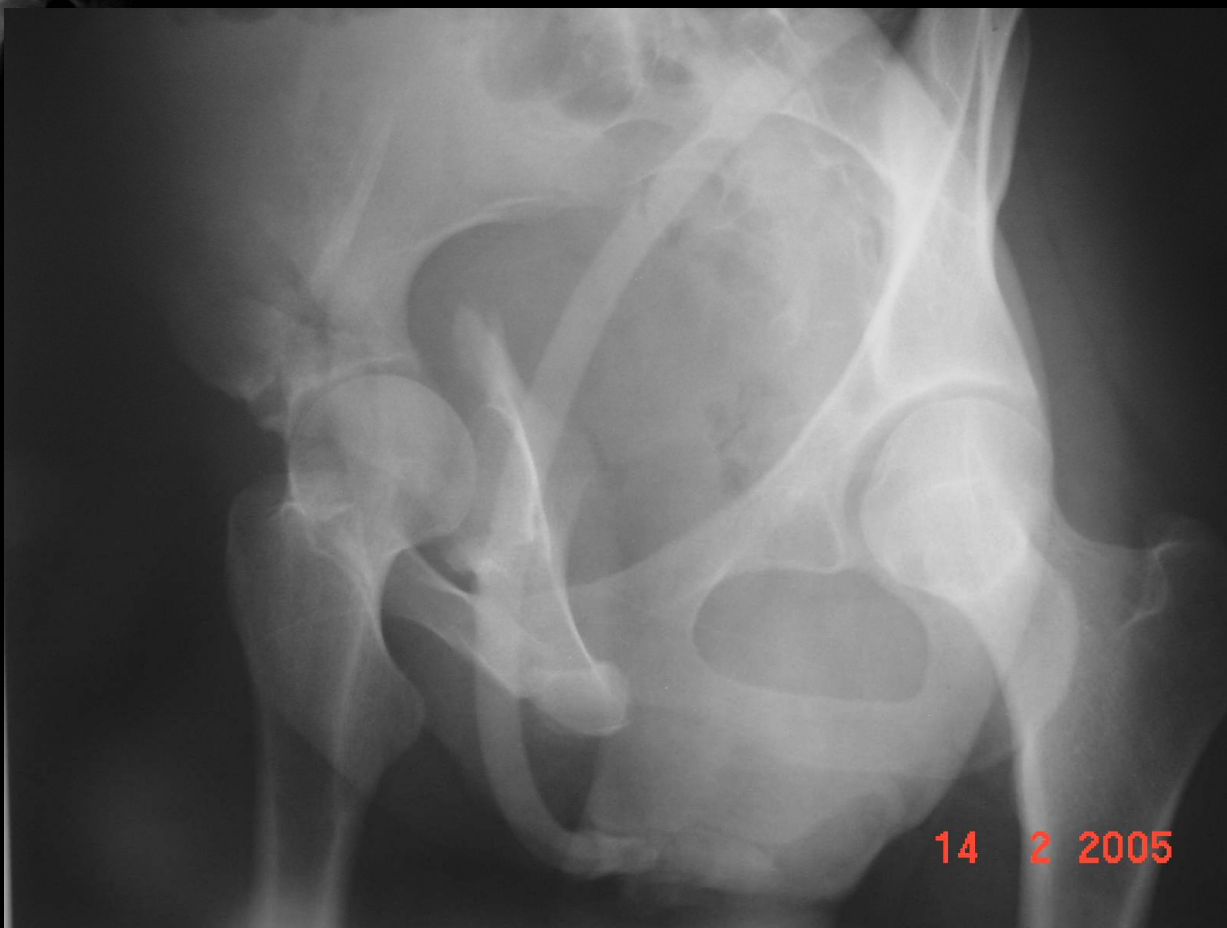


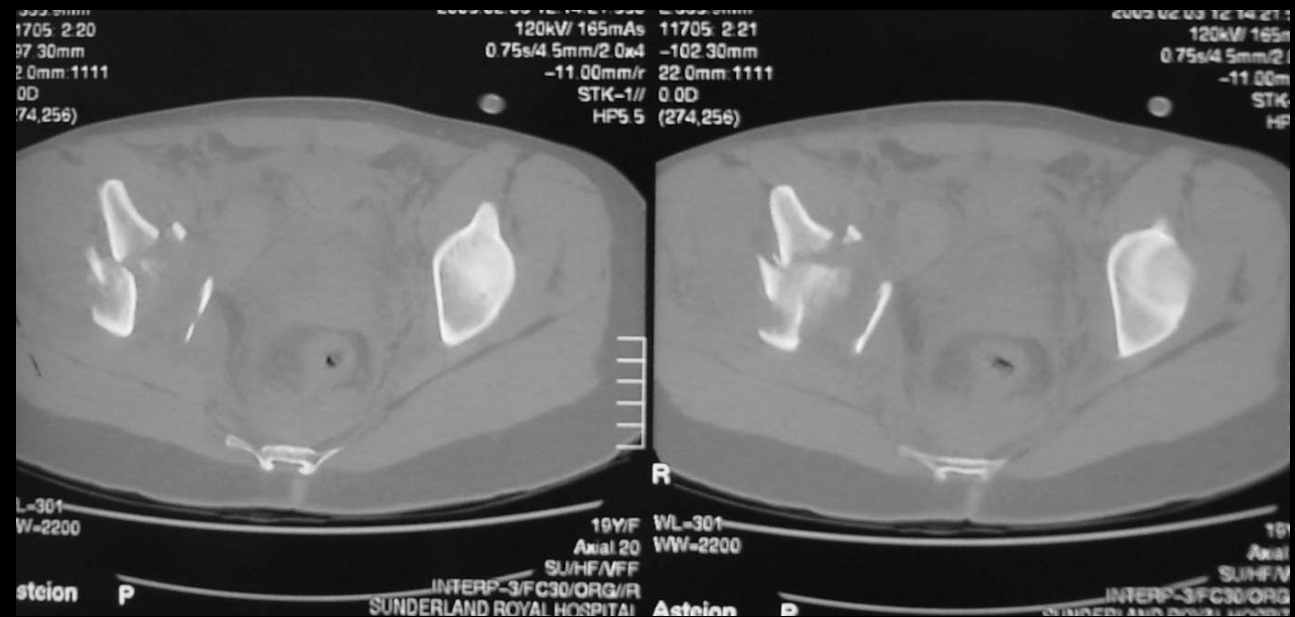


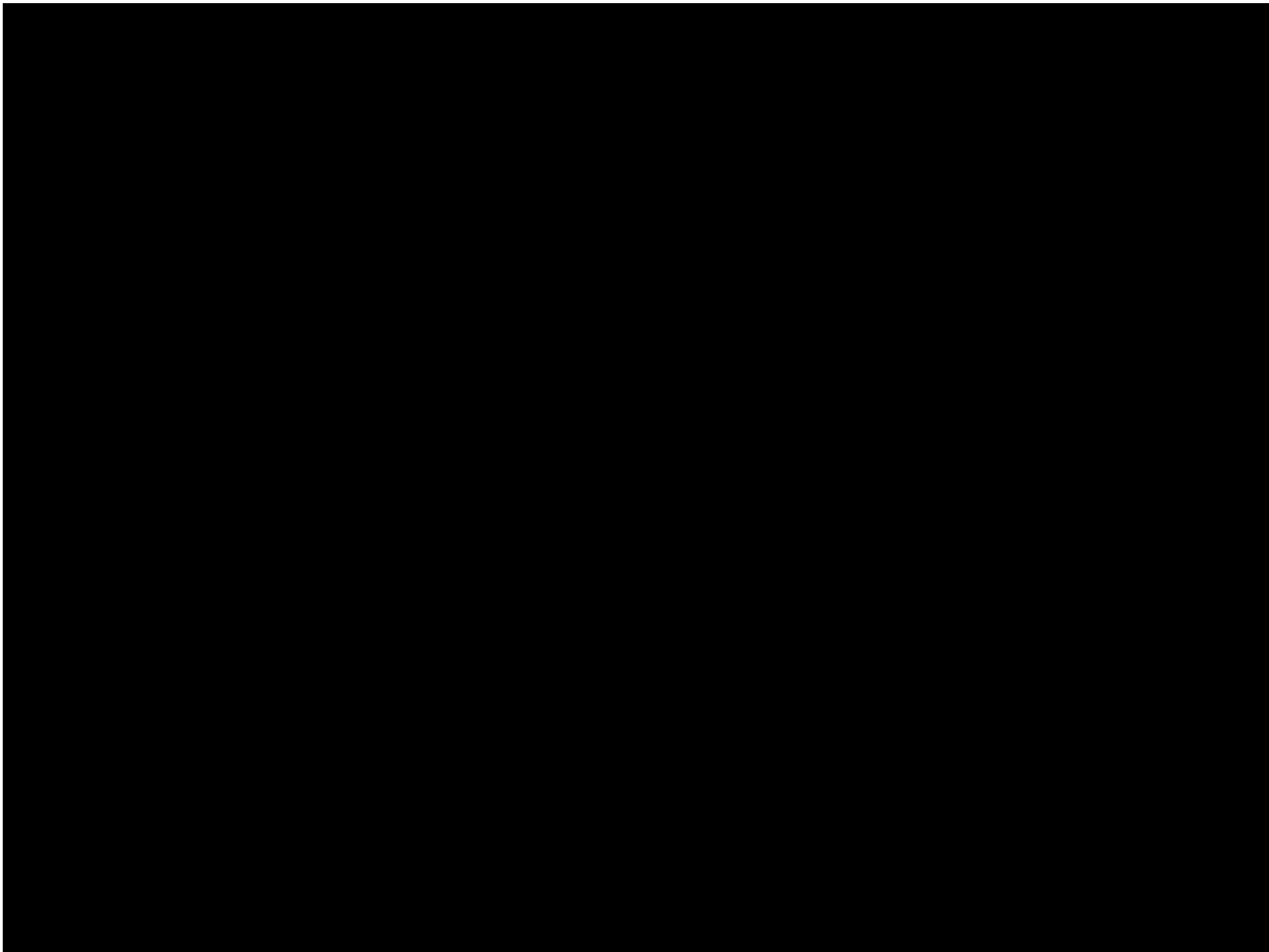


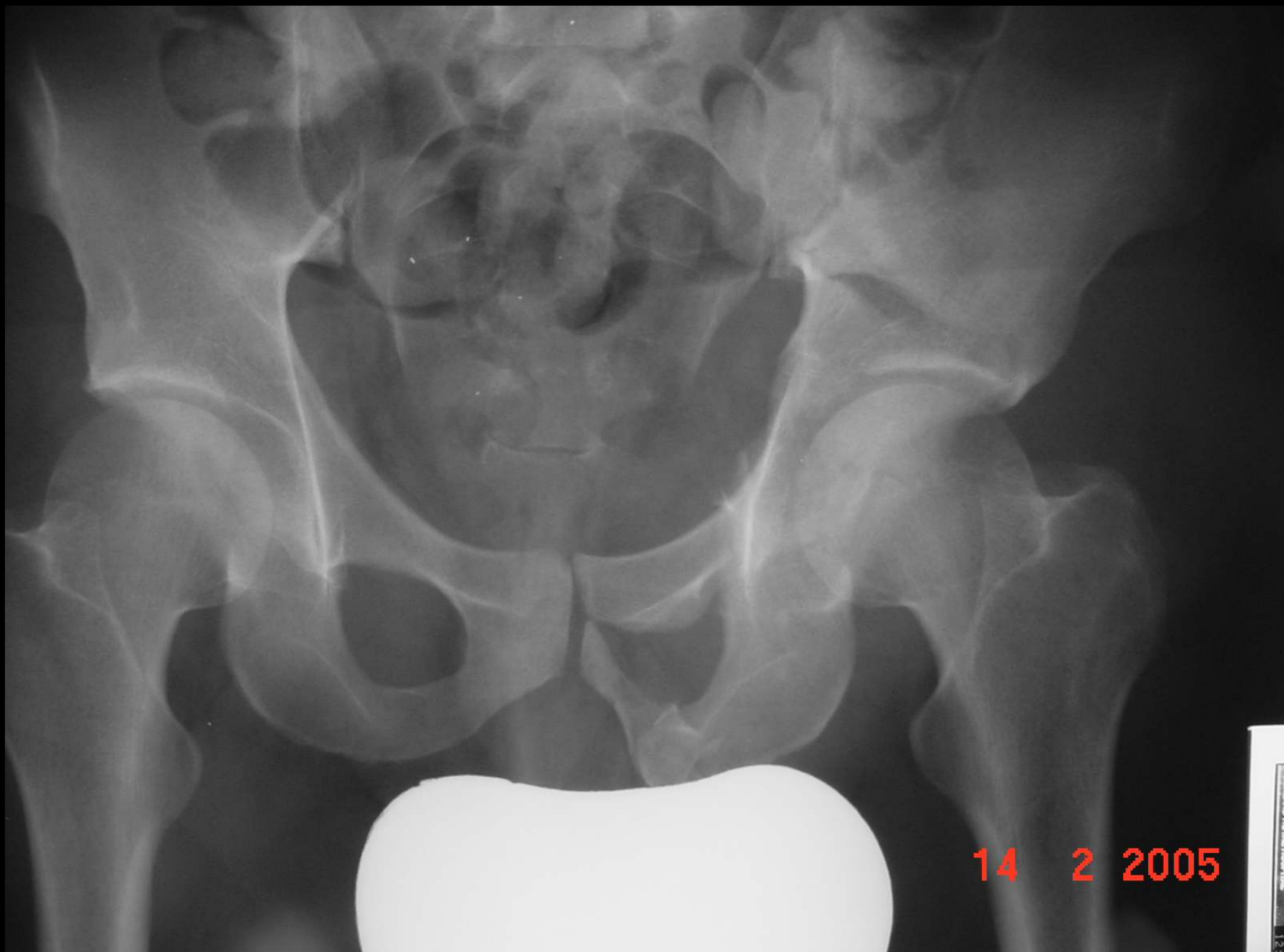
14 2 2005

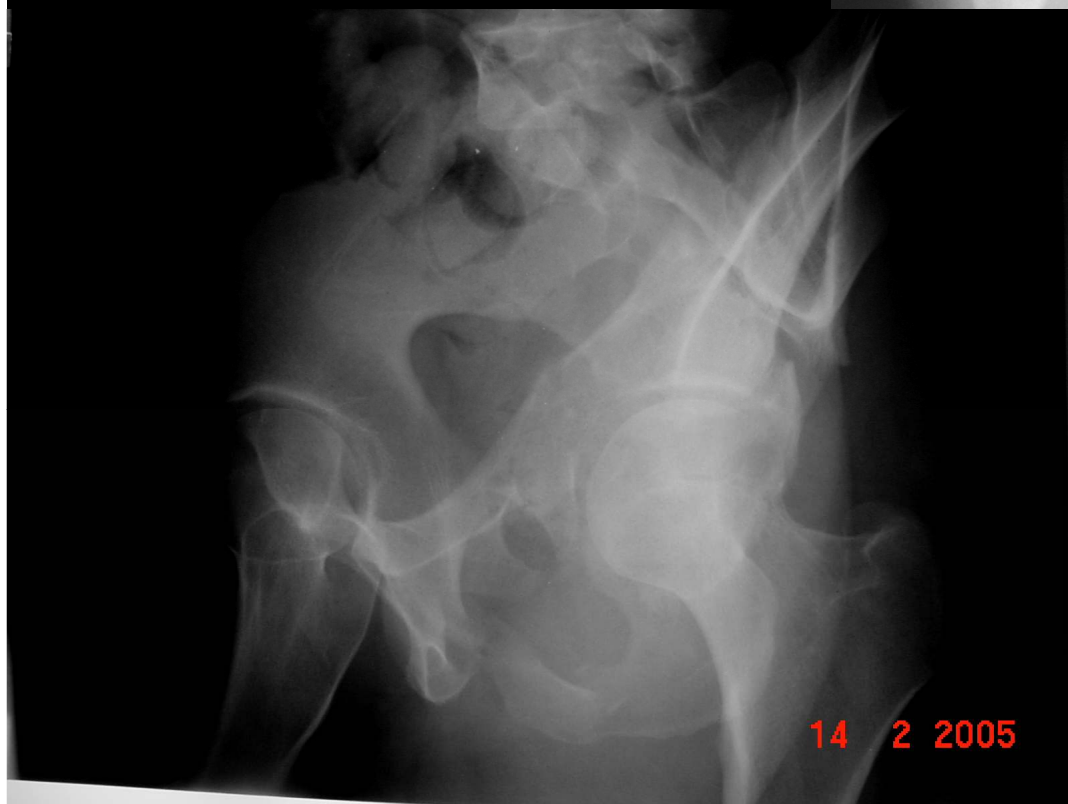
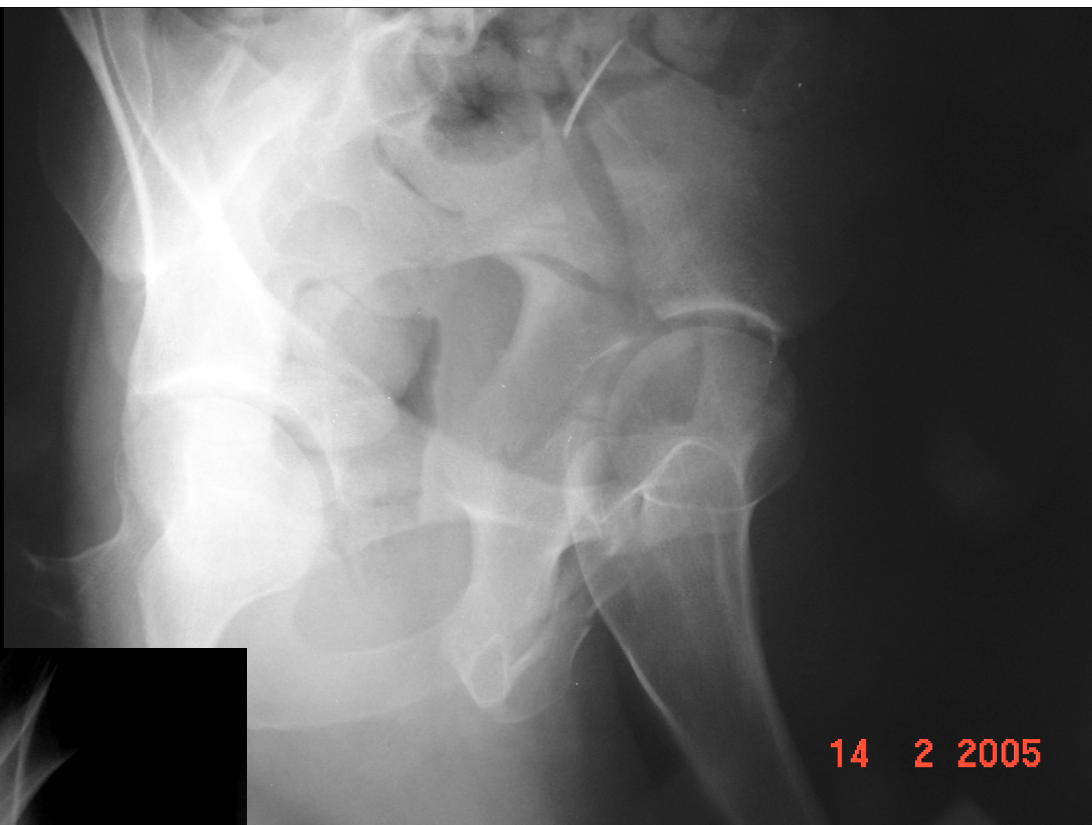
This is an anteroposterior (AP) radiograph of the pelvis and hips. The image shows the bony structures of the pelvis, including the iliac crests, pubis, ischium, and the proximal femurs. The hip joints are visible, and there is no obvious fracture or dislocation. The image is in grayscale, and the date '14 2 2005' is printed in red in the bottom right corner.



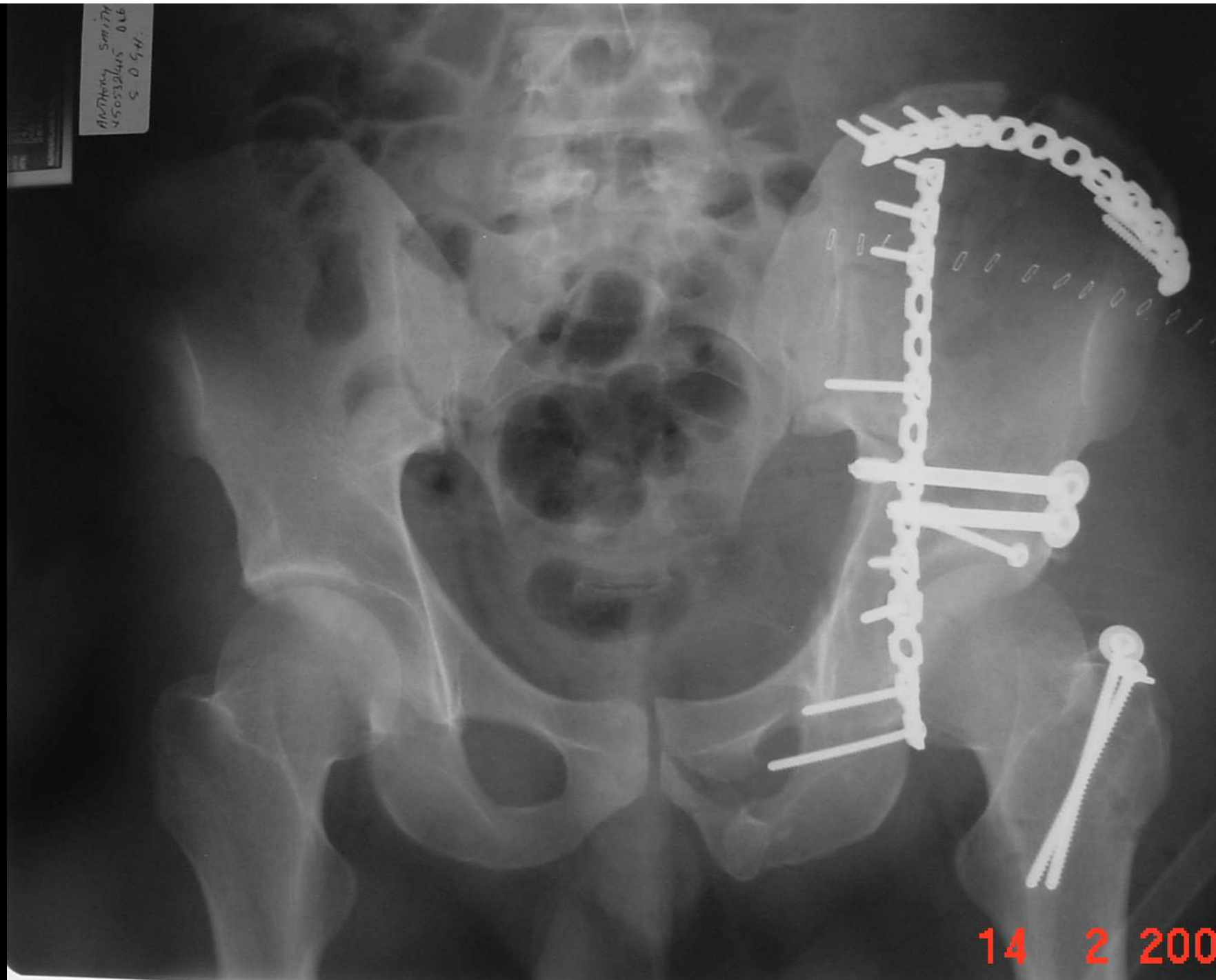




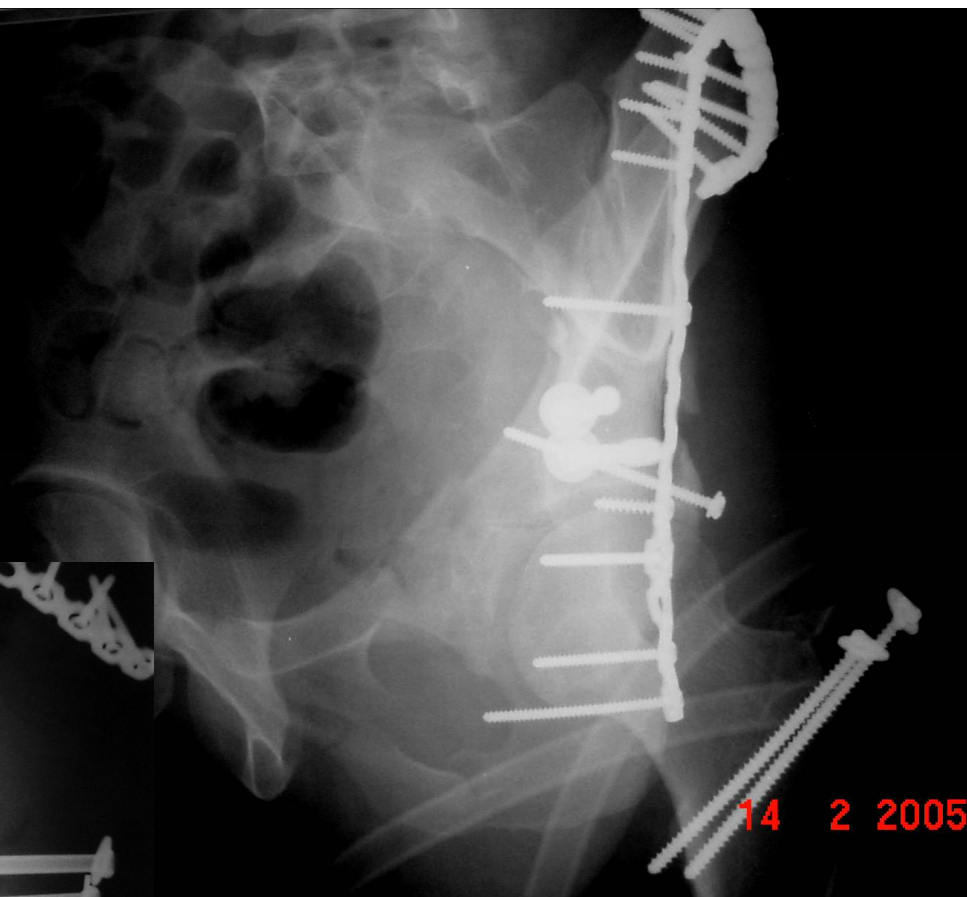
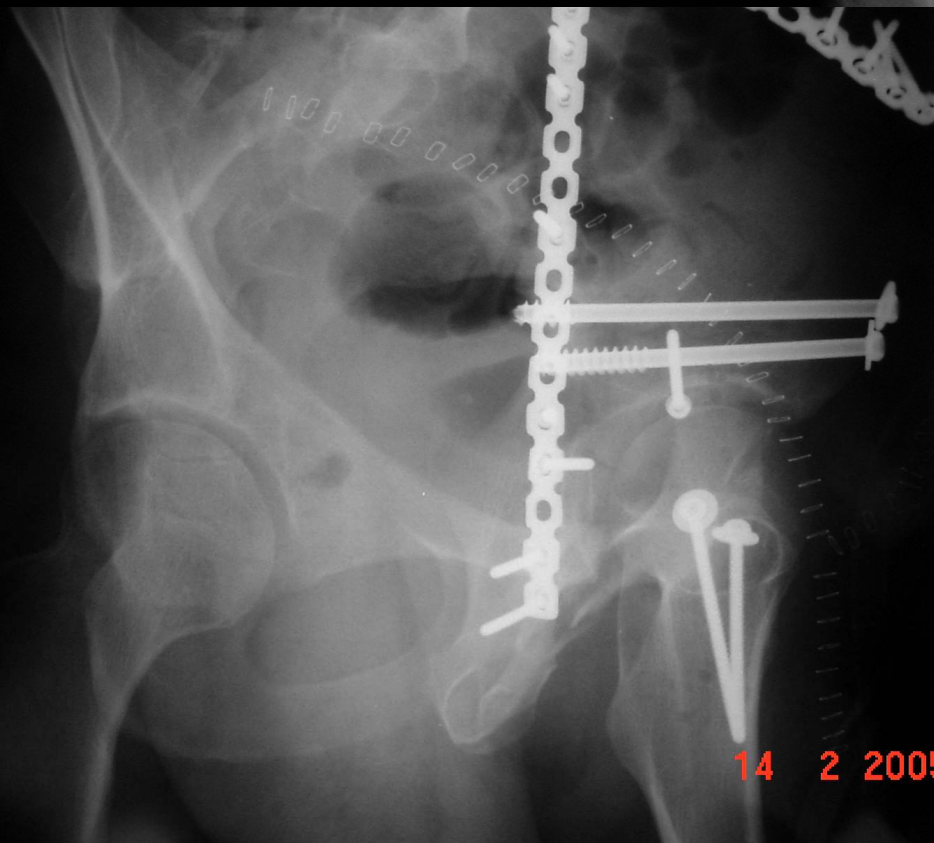


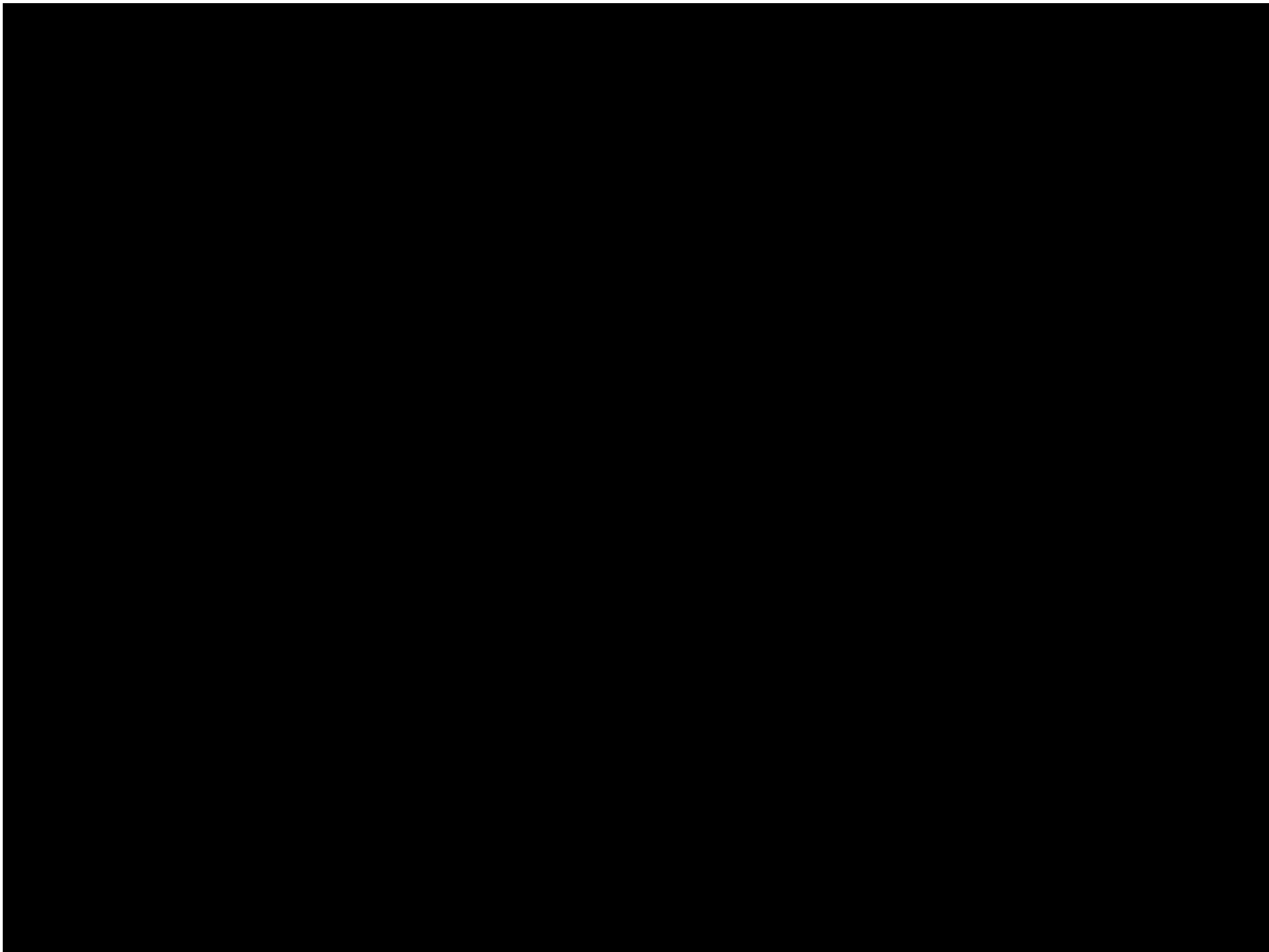


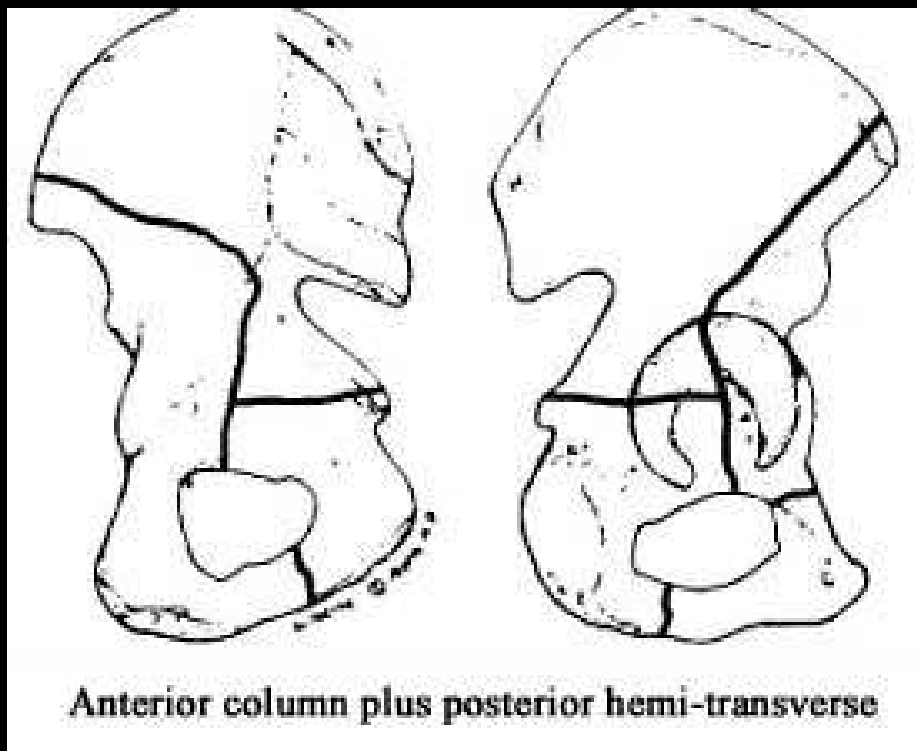
ANTHONY SMITH
45052415 DLB
S.D.G.H.



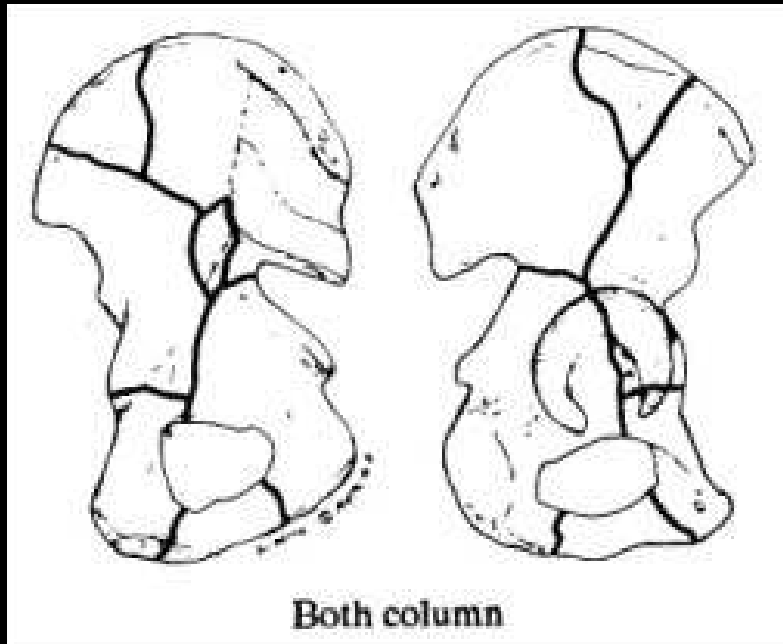
14 2 200











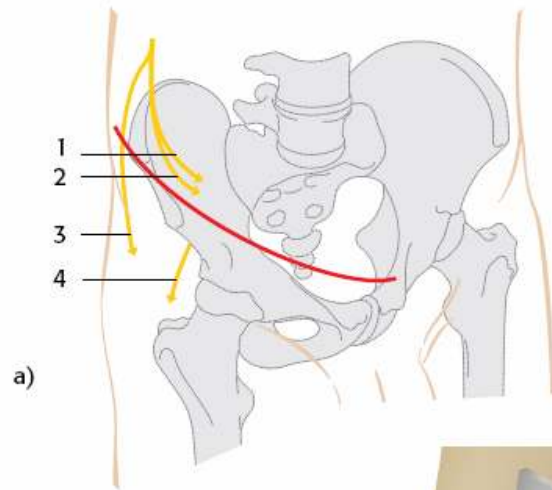
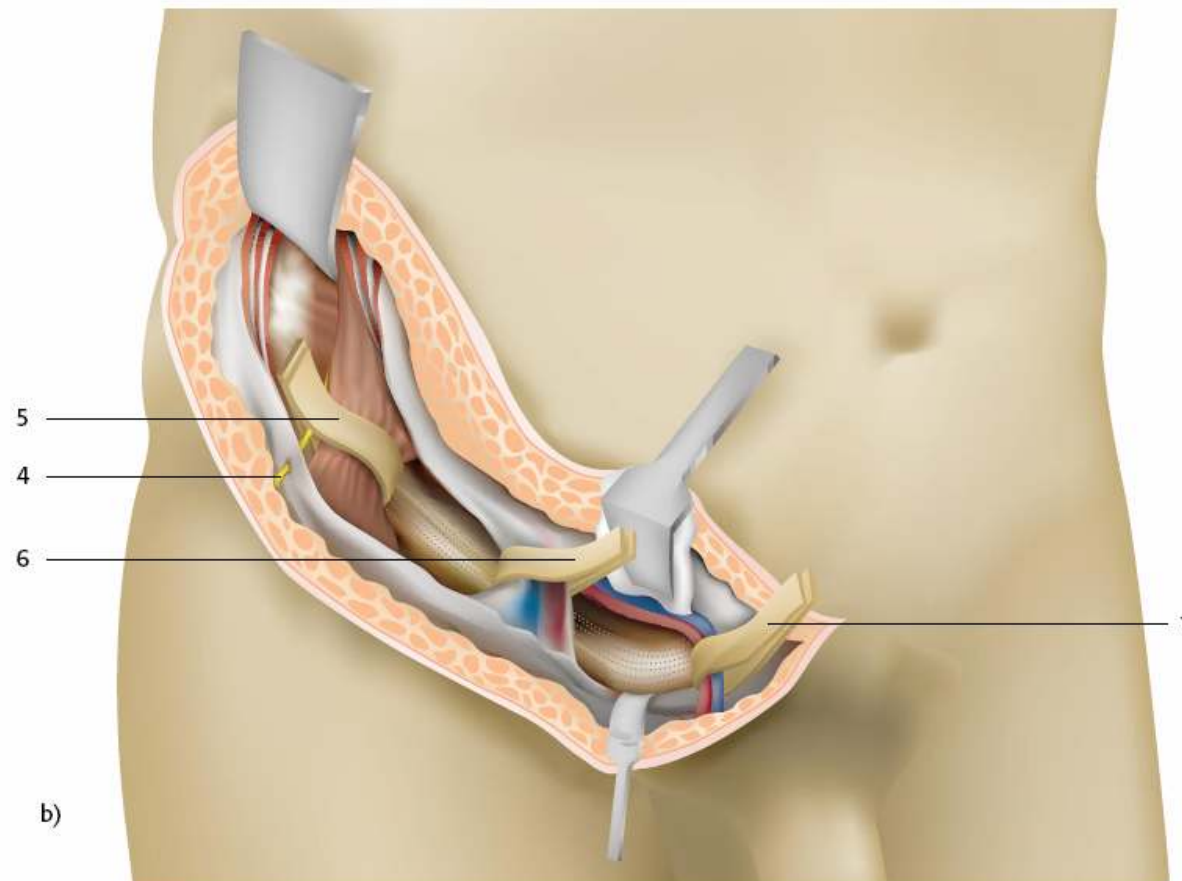


Fig. 4.5-10: Ilioinguinal approach.

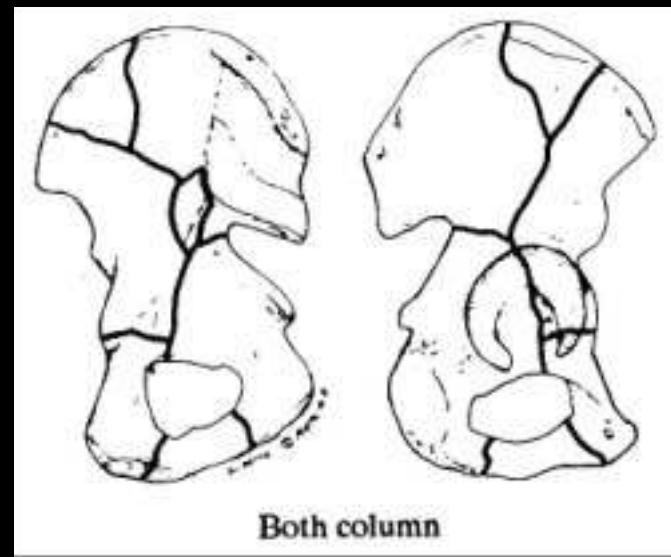
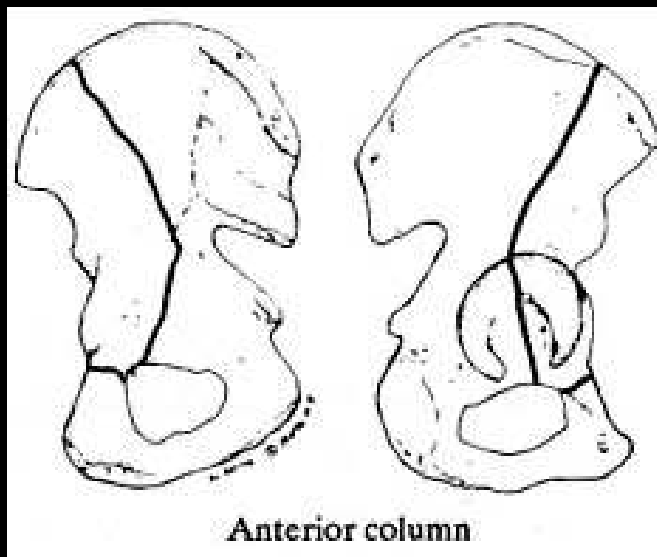
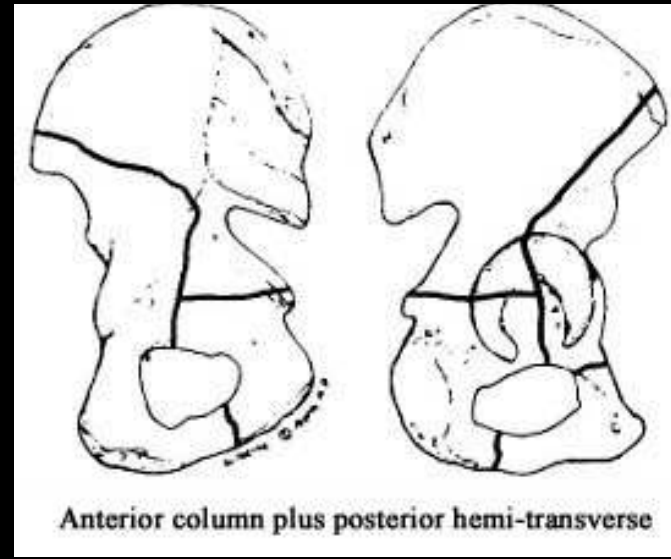
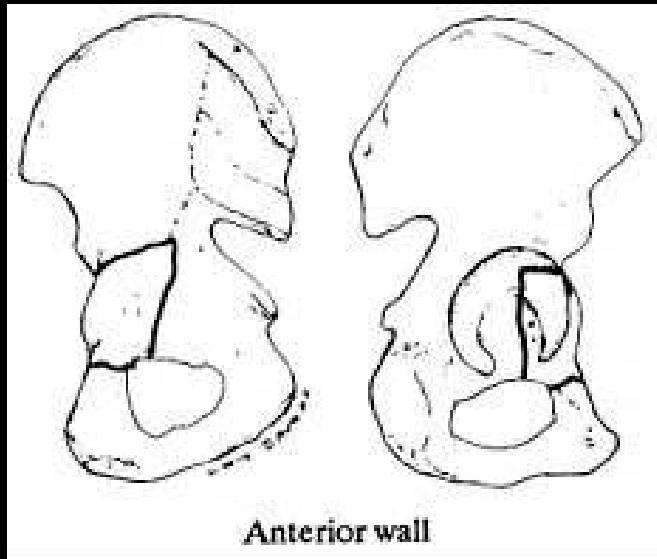
- a) Skin incision
b) Deep exposure

- 1 Iliohypogastric nerve
- 2 Ilioinguinal nerve
- 3 Lateral cutaneous branch of iliohypogastric nerve
- 4 Lateral cutaneous nerve of thigh
- 5 Penrose drain around femoral iliopsoas muscle and lateral femoral cutaneous nerve
- 6 Penrose drain around femoral vessels
- 7 Penrose drain around the contents of the inguinal canal

Ilio-inguinal approach



Ilio-inguinal indications



Kocher-Langenbeck approach

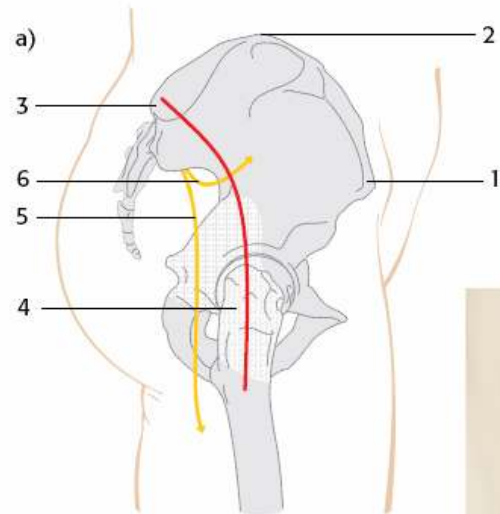
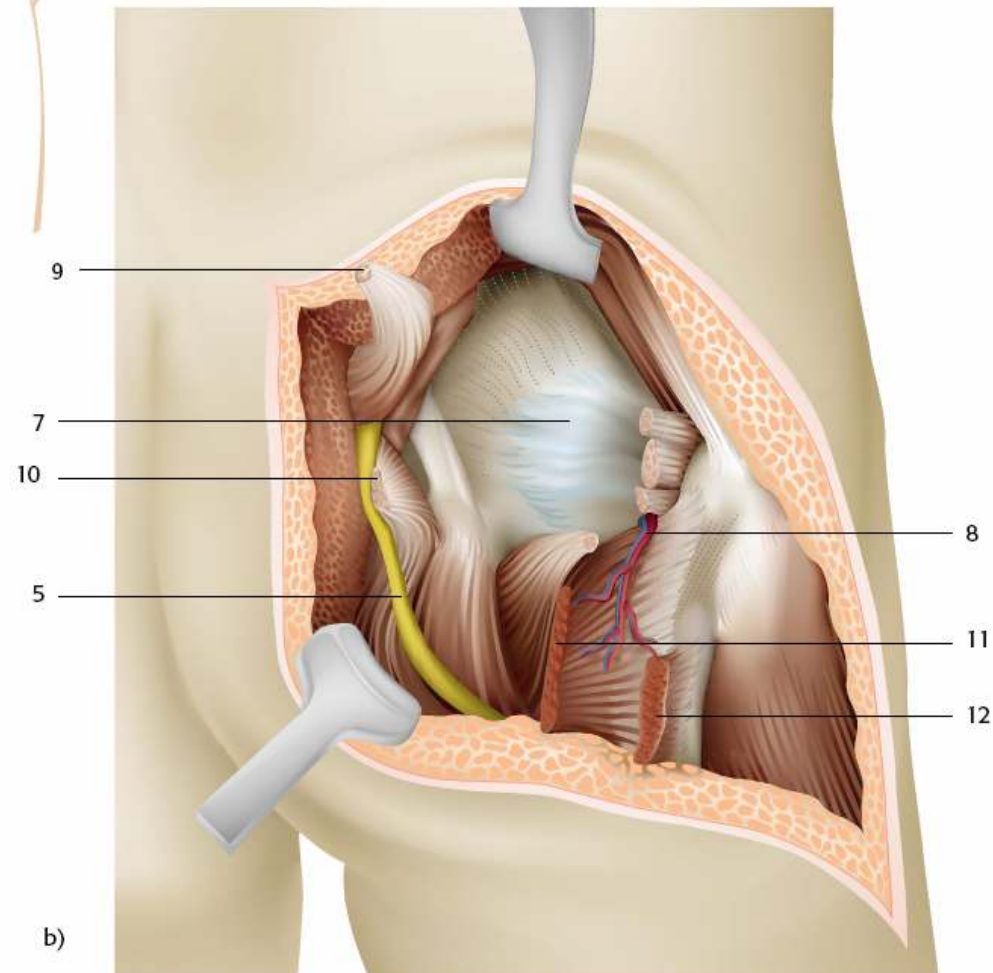
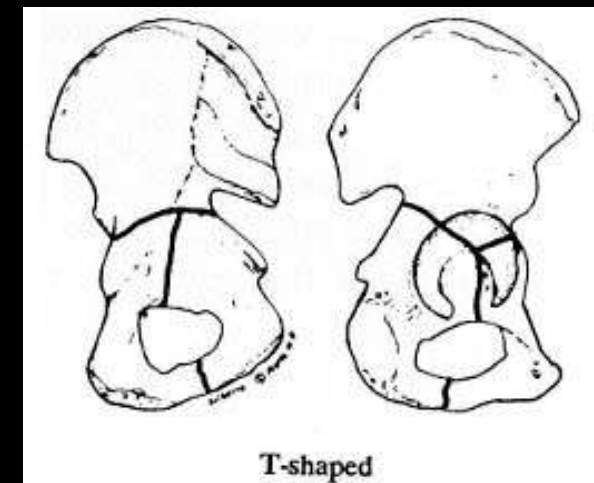
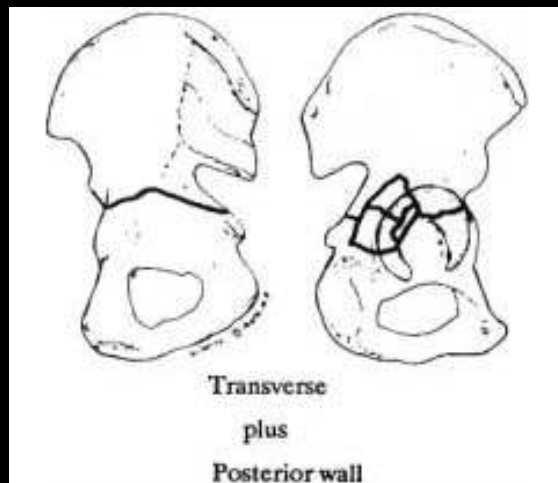
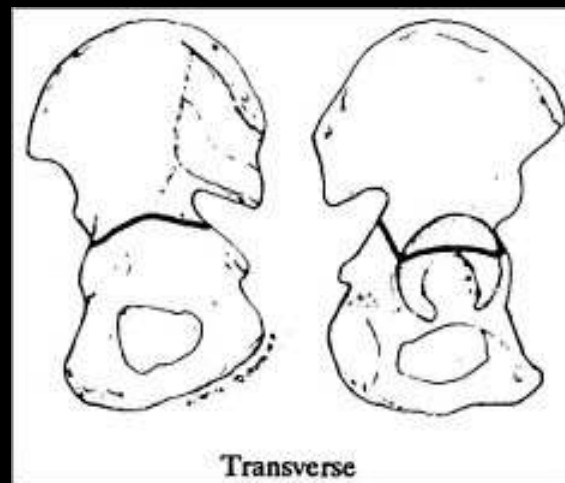
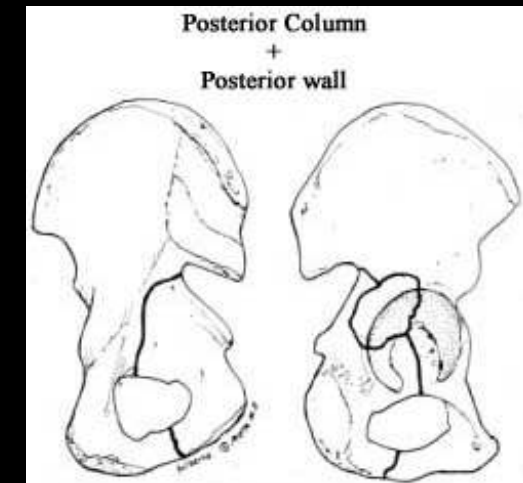
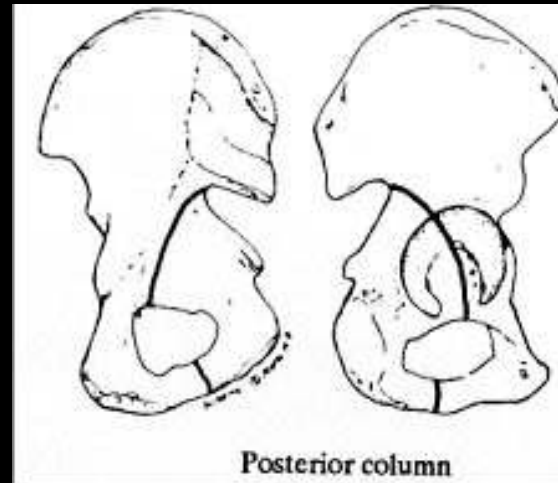
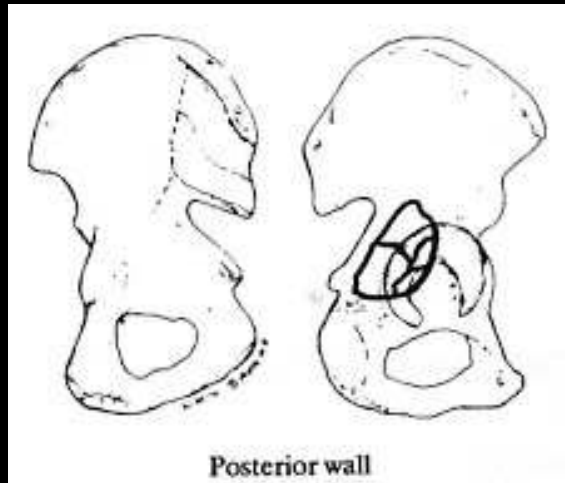


Fig. 4.5-9: Kocher-Langenbeck approach.
a) Skin incision
b) Deep exposure

- 1 Anterior superior iliac spine
- 2 Supracristal point (highest point of iliac crest)
- 3 Posterior superior iliac spine
- 4 Greater trochanter
- 5 Sciatic nerve
- 6 Superior gluteal nerve
- 7 Joint capsule
- 8 Medial femoral circumflex vessels
- 9 Piriformis muscle released
- 10 Conjoined tendon released
- 11 Quadratus femoris
- 12 Gluteus maximus tendon released



Kocher-Langenbeck indications



Ilio-femoral approach

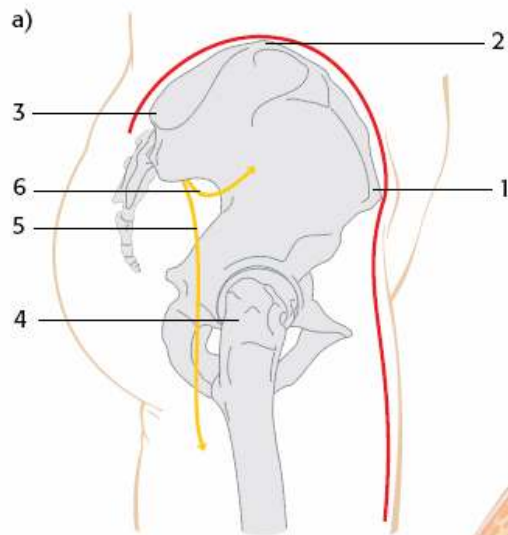
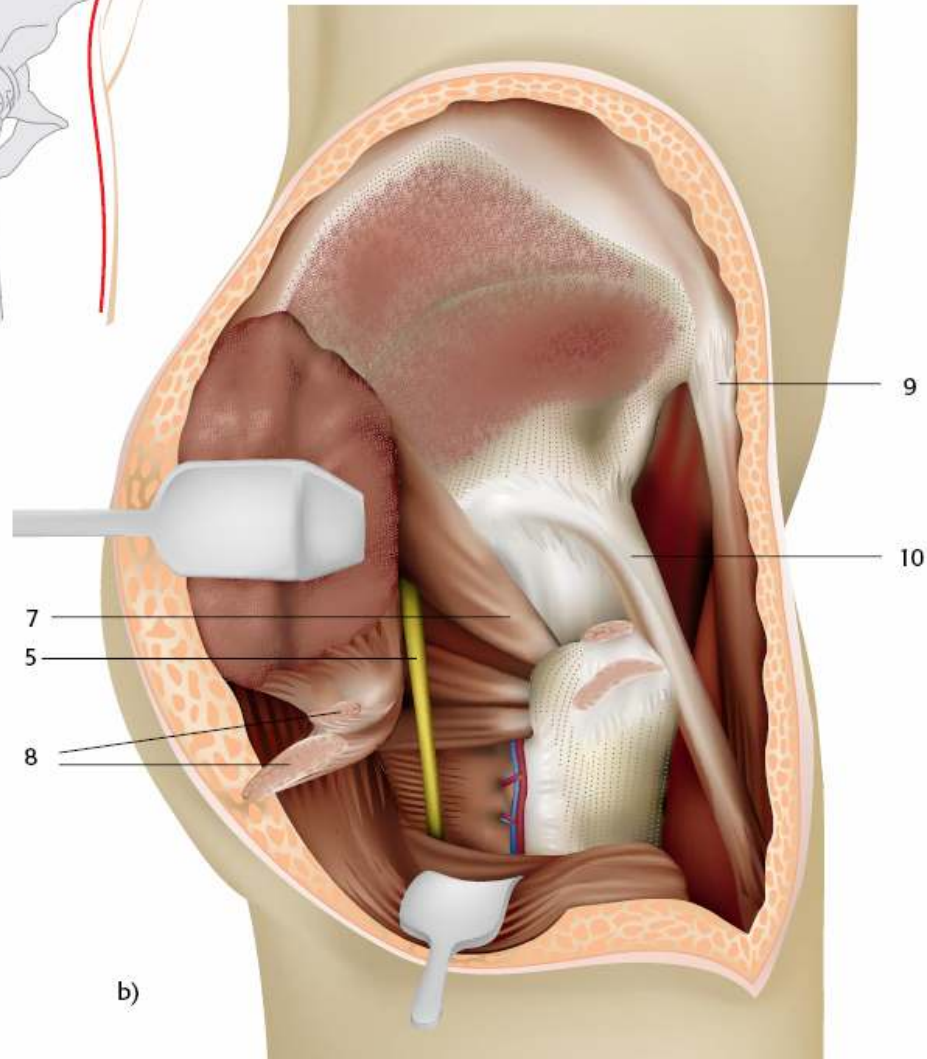


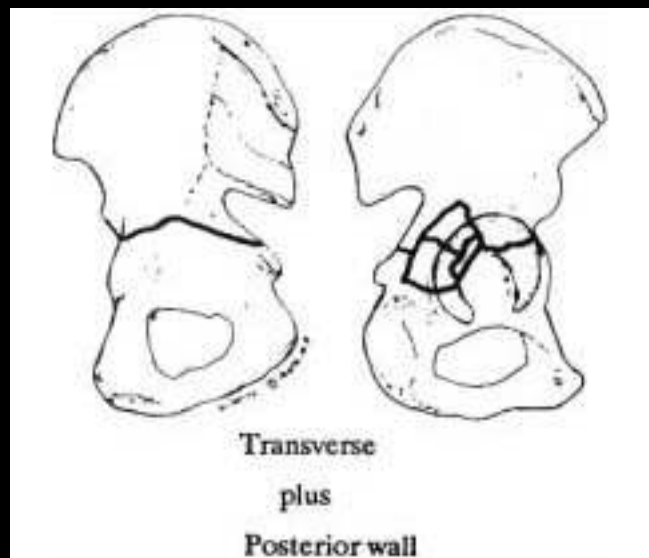
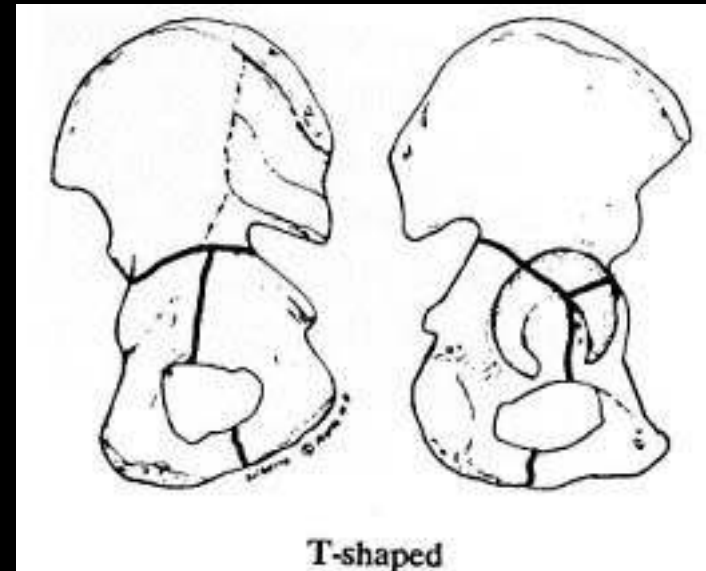
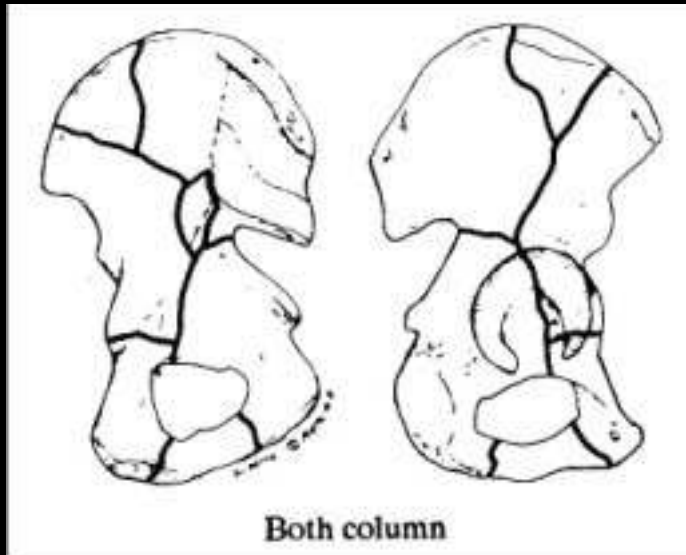
Fig. 4.5-11: Extended iliofemoral approach.

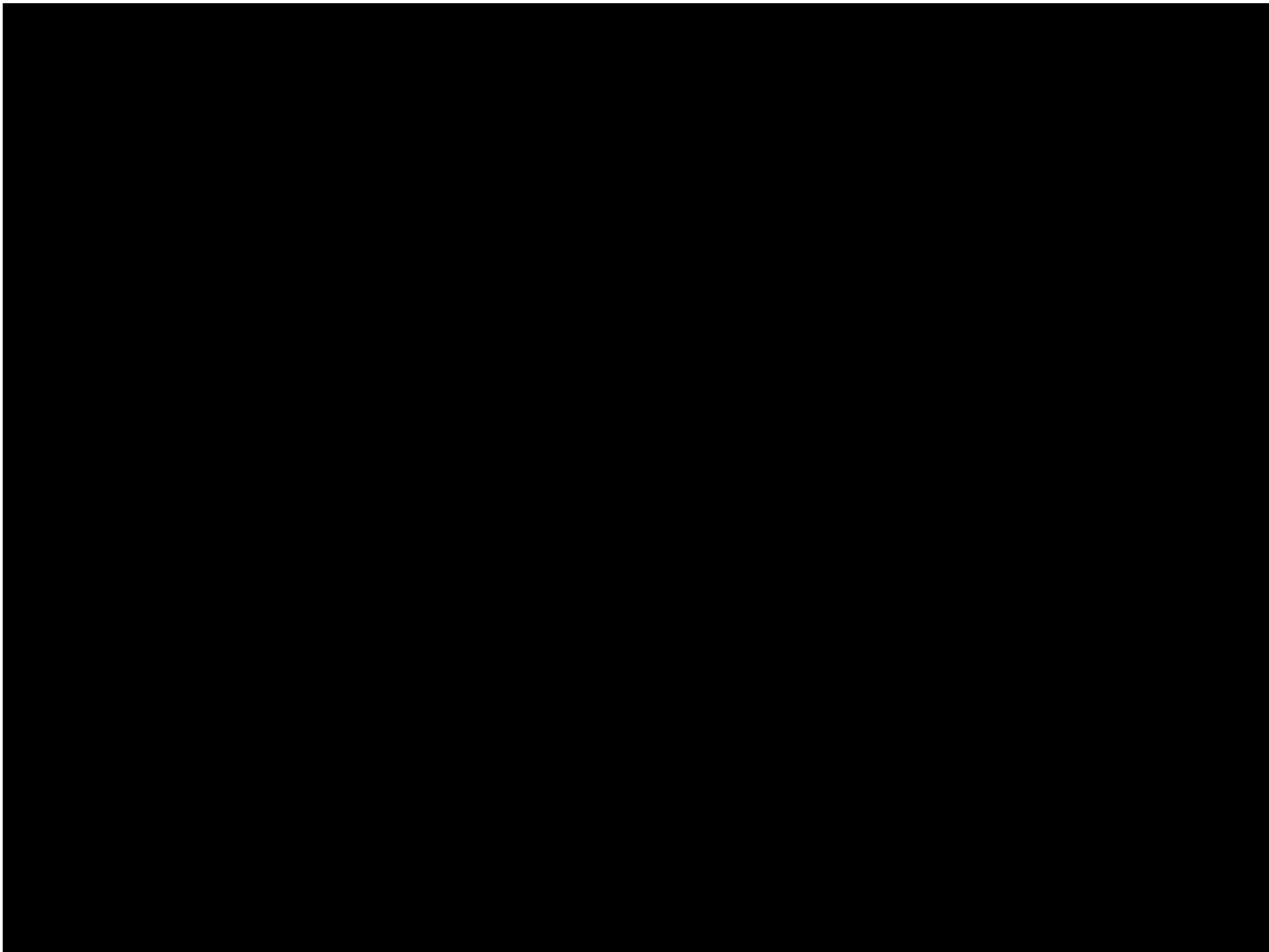
a) Skin incision
b) Deep exposure

- 1 Anterior superior iliac spine
- 2 Supracristal point (highest point of iliac crest)
- 3 Posterior superior iliac spine
- 4 Greater trochanter
- 5 Sciatic nerve
- 6 Superior gluteal nerve
- 7 Short external rotators
- 8 Gluteus medius and minimus muscles
- 9 Sartorius muscle
- 10 Rectus femoris muscle



Ilio-femoral indications





AO Classification

- Type A: partial articular
involving only 1 of the 2 columns
- Type B: partial articular
involving a transverse component
- Type C: complete articular
both columns

