

# Bern Hip Symposium 2020

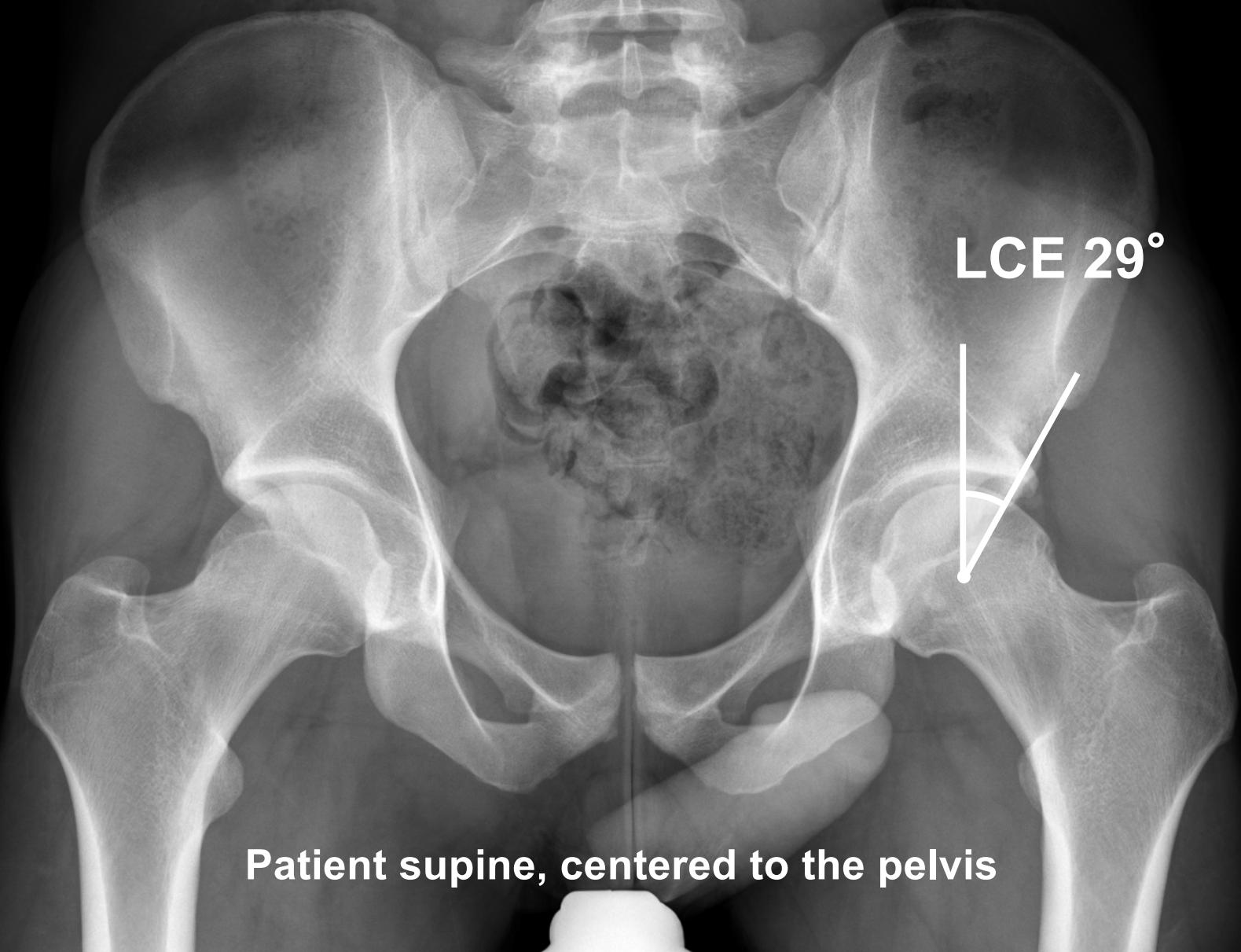
## Live Surgery – Case Presentation

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## History

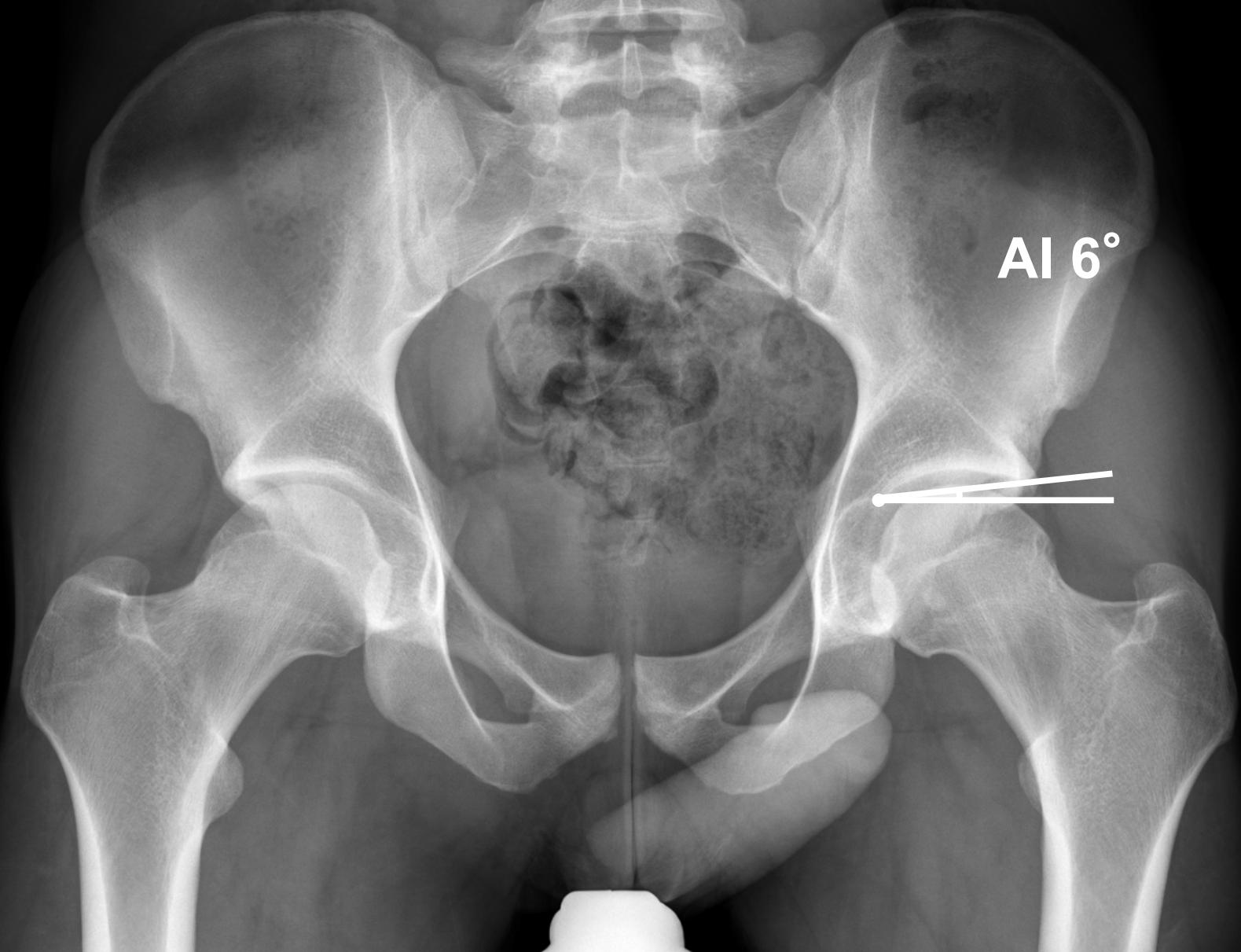
- > 20-year old male construction worker
- > Intermittent **left groin pain** for 1 year
  - During or after sports activity (soccer) or heavy labour
- > No previous hip problems



LCE 29°

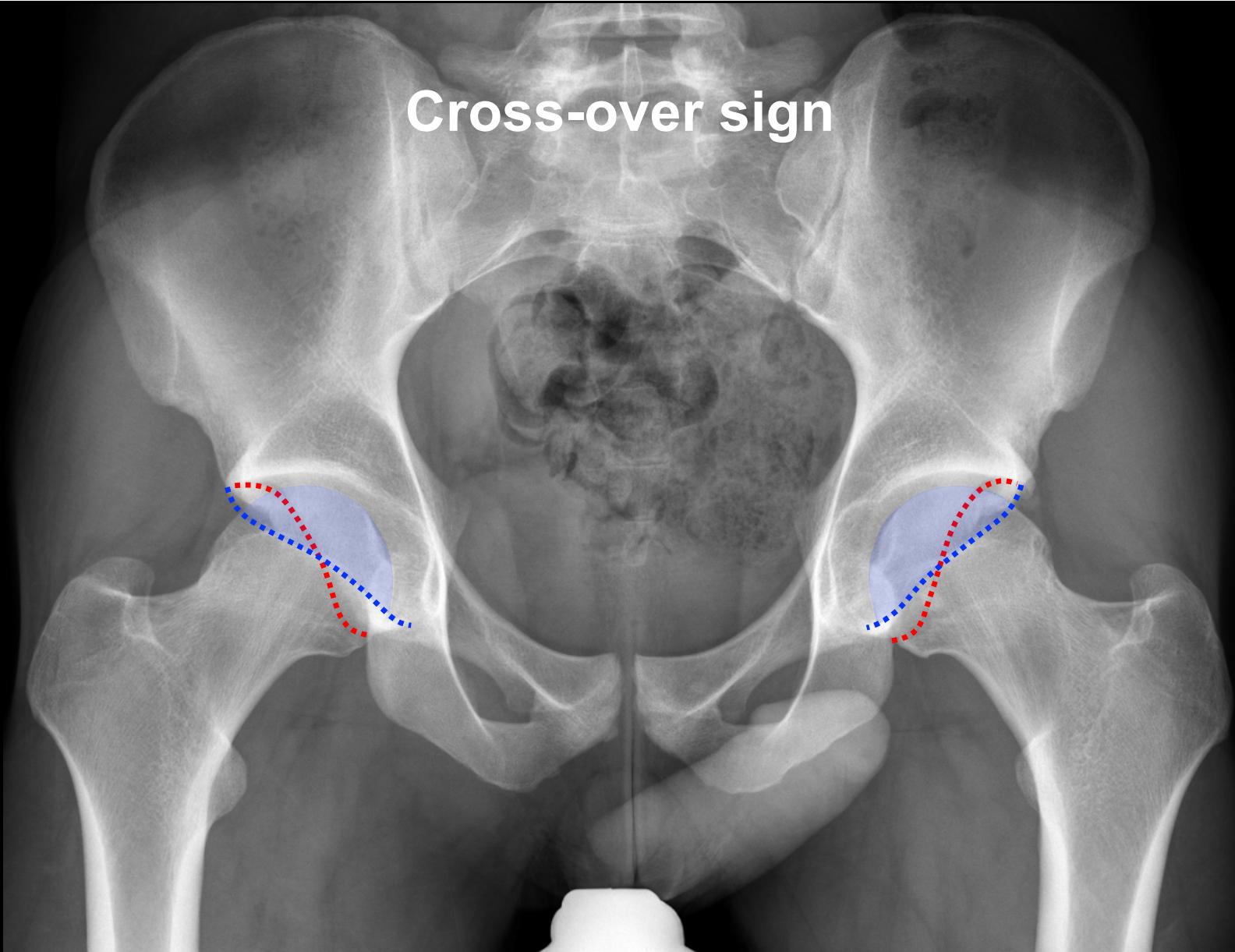


Patient supine, centered to the pelvis



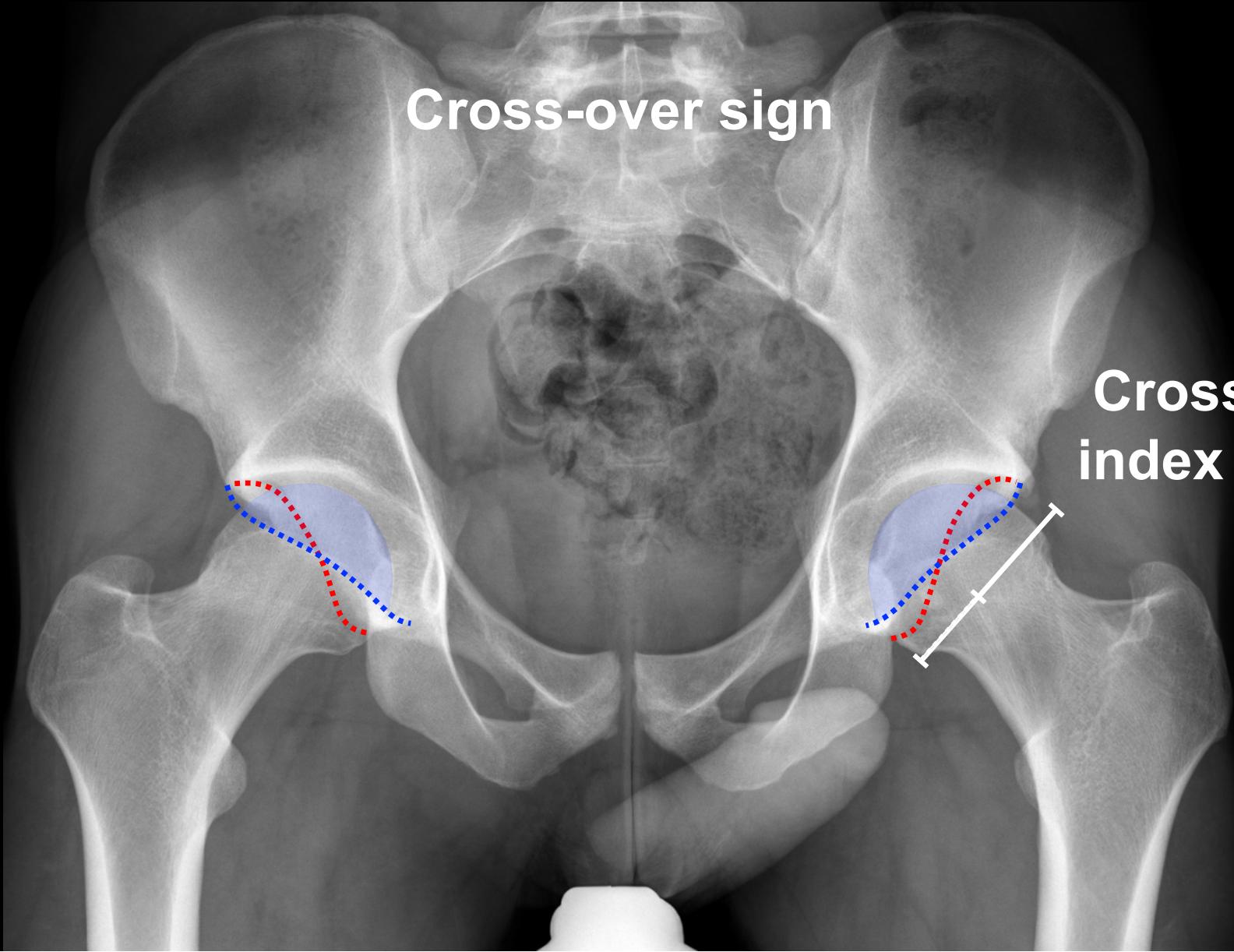
AI 6°

Cross-over sign

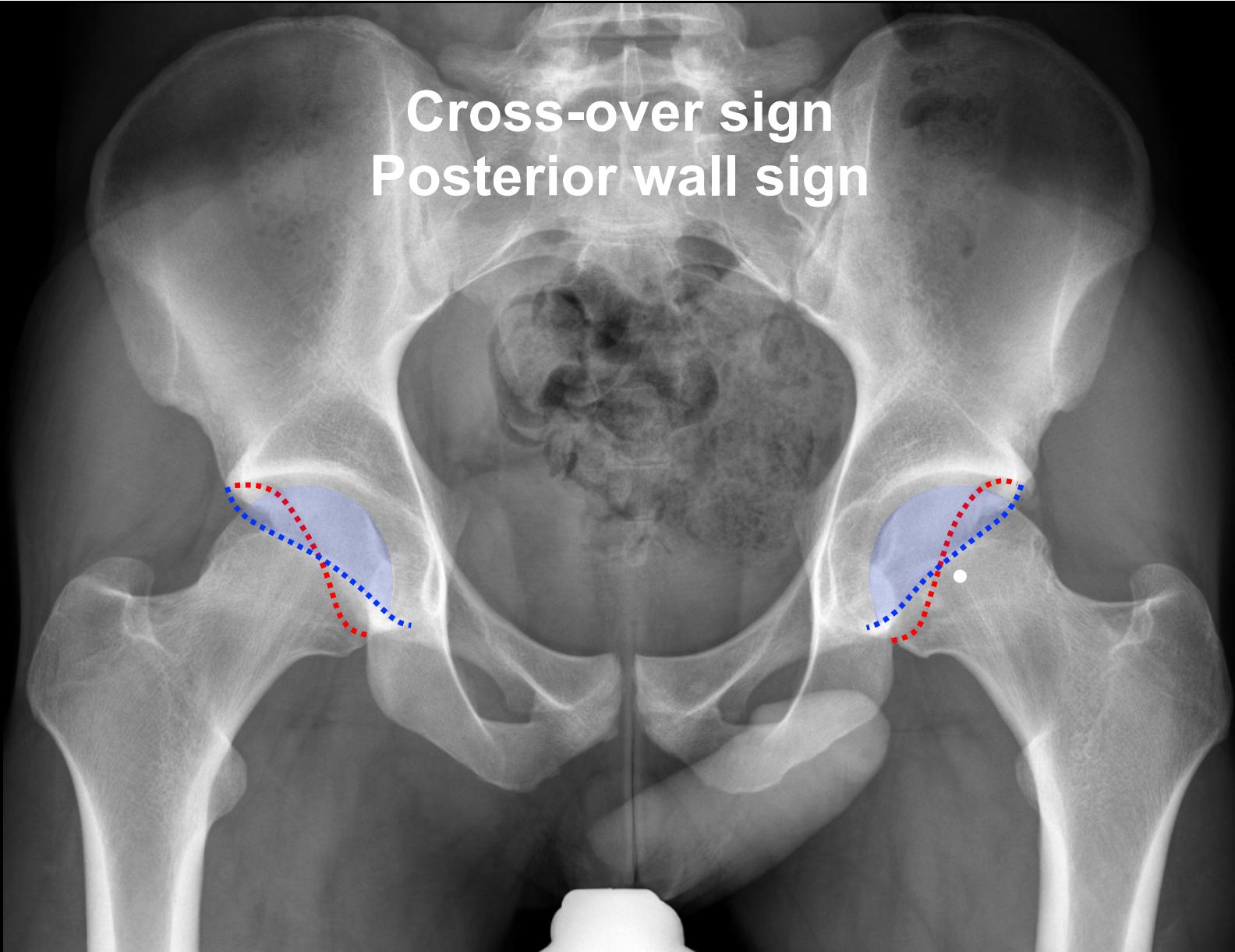


Cross-over sign

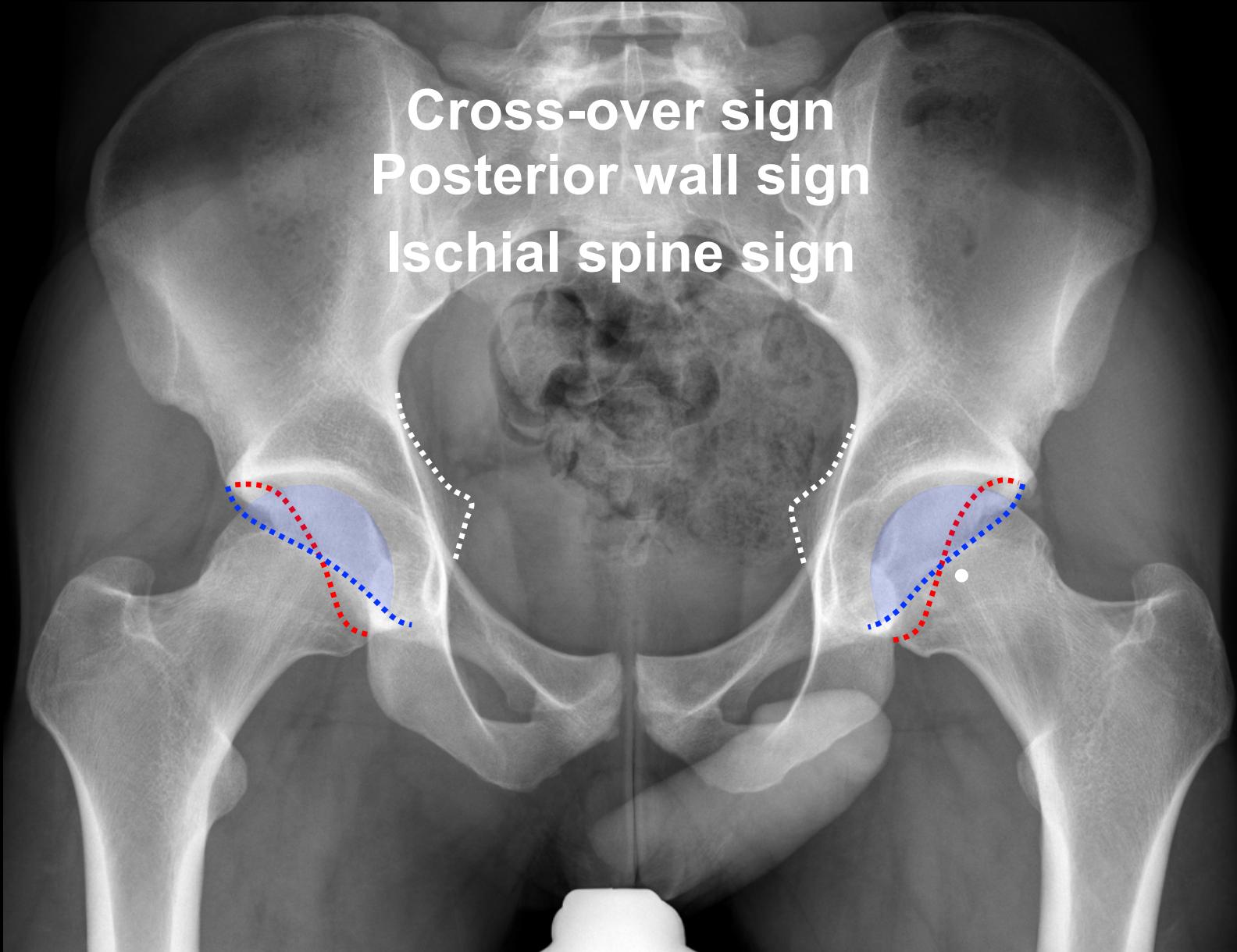
Cross-over  
index of 60%

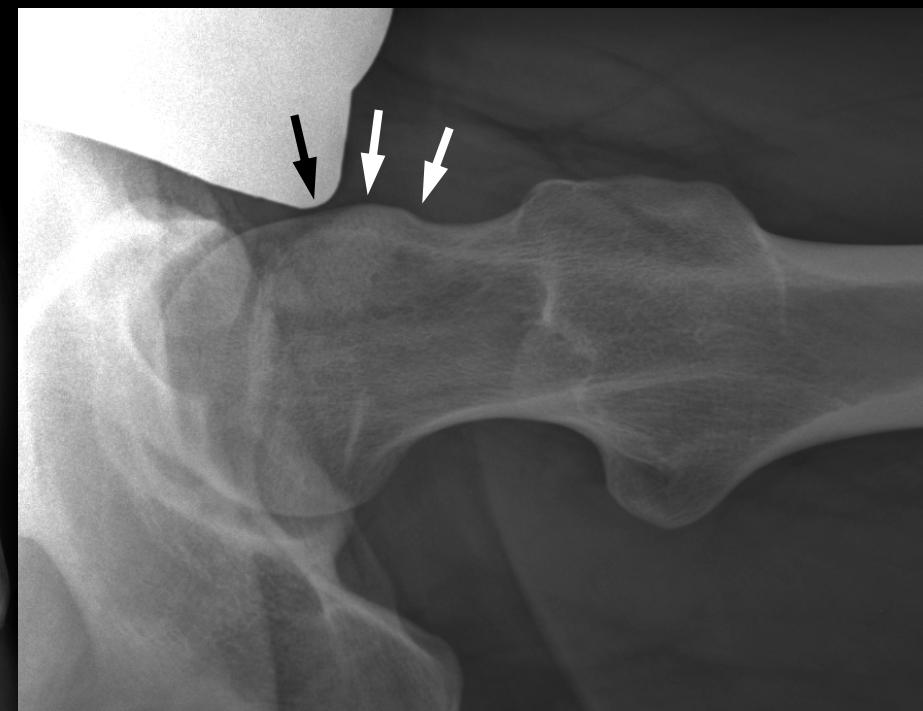
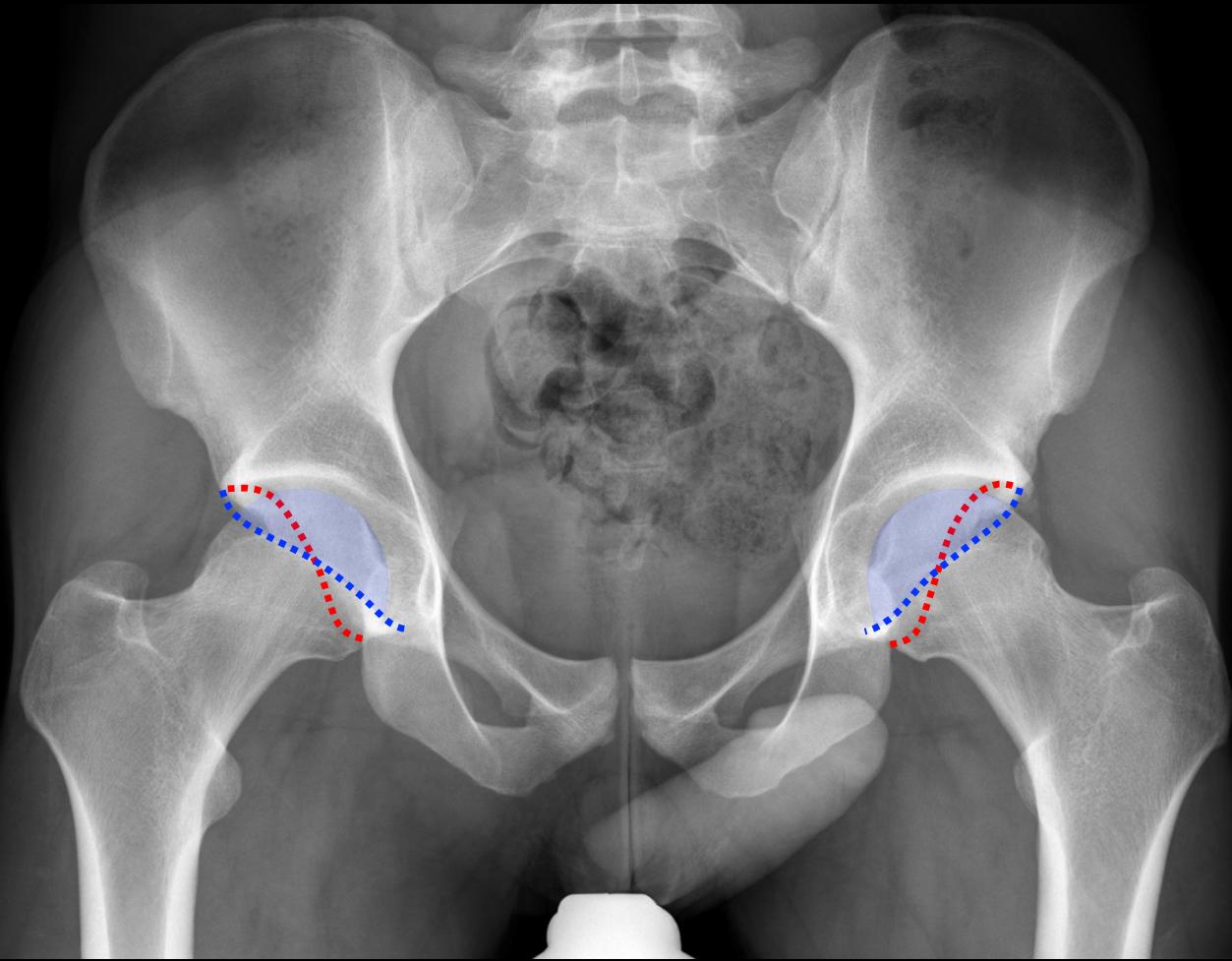


**Cross-over sign  
Posterior wall sign**



**Cross-over sign  
Posterior wall sign  
Ischial spine sign**







Equal leg length

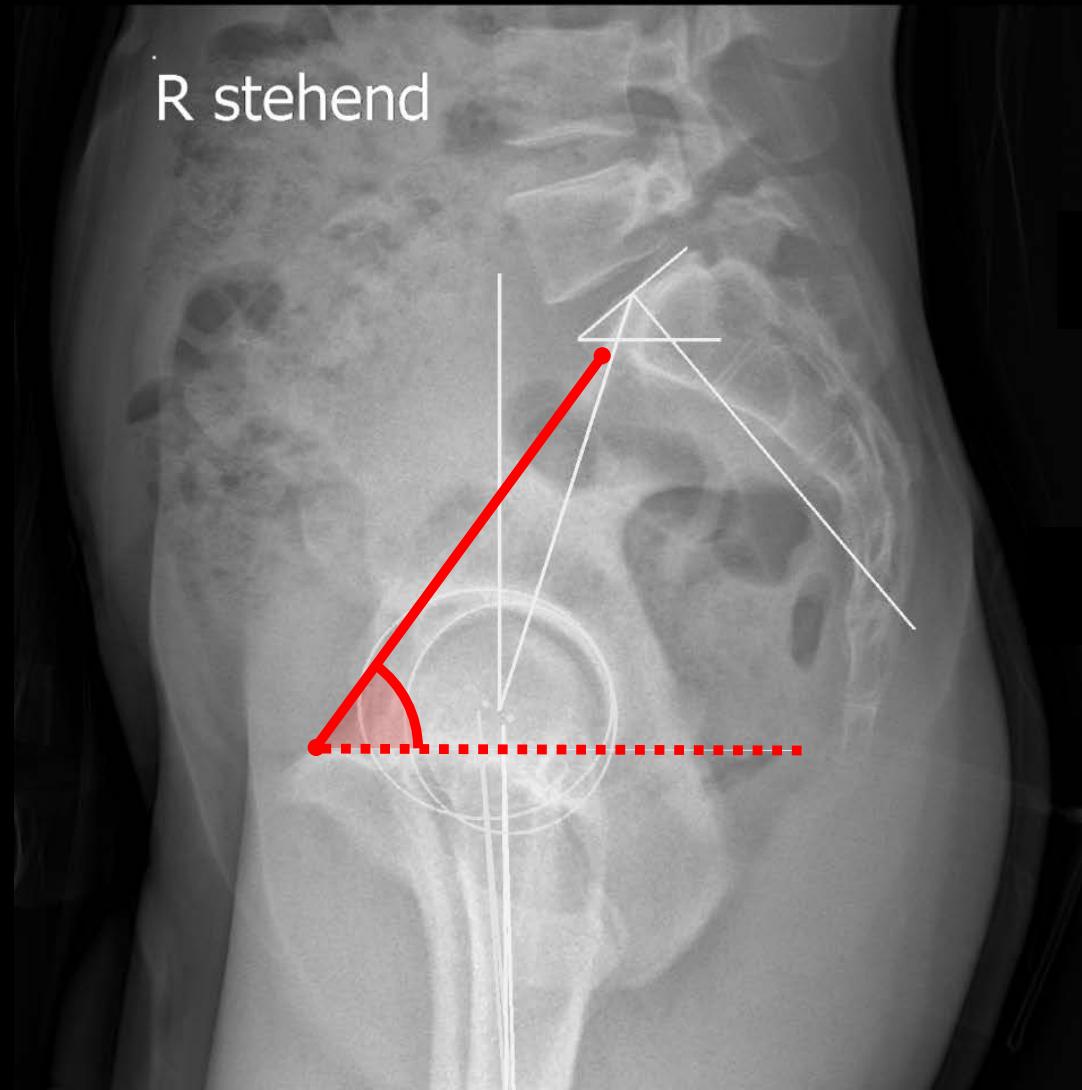
R stehend



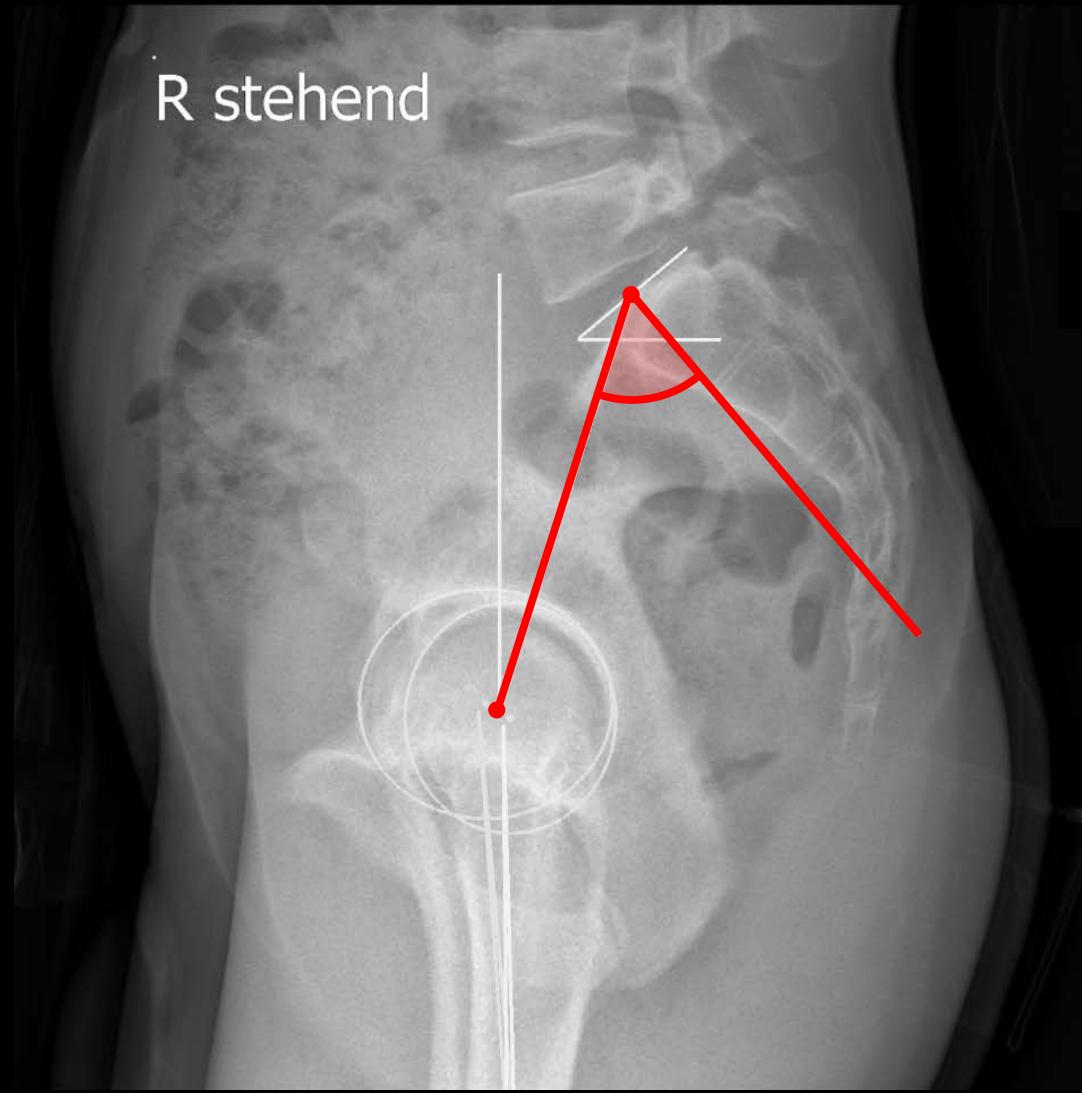
**Pelvic inclination 54°**



R stehend



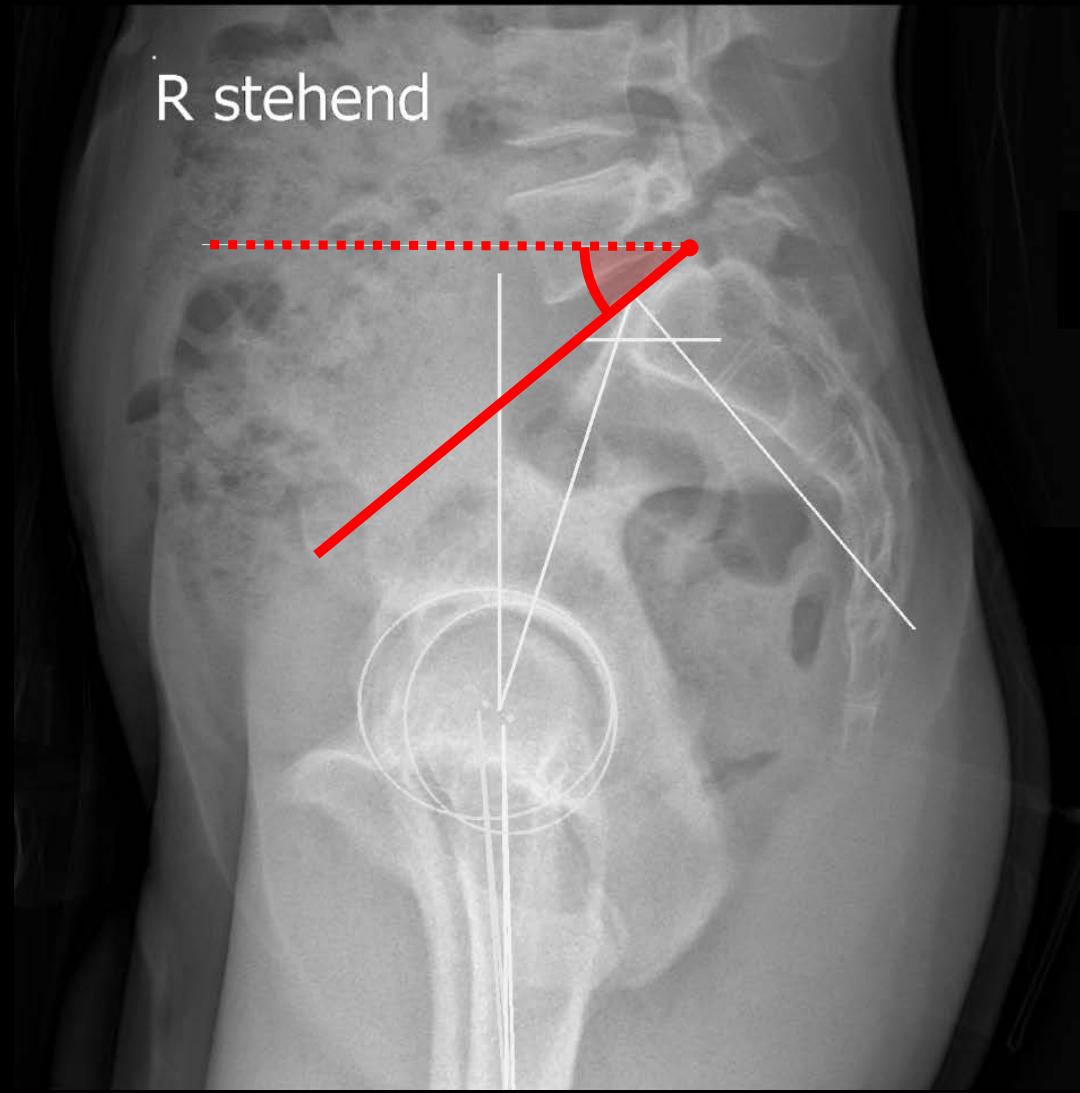
**Pelvic inclination 54°**  
**Pelvic incidence 57°**



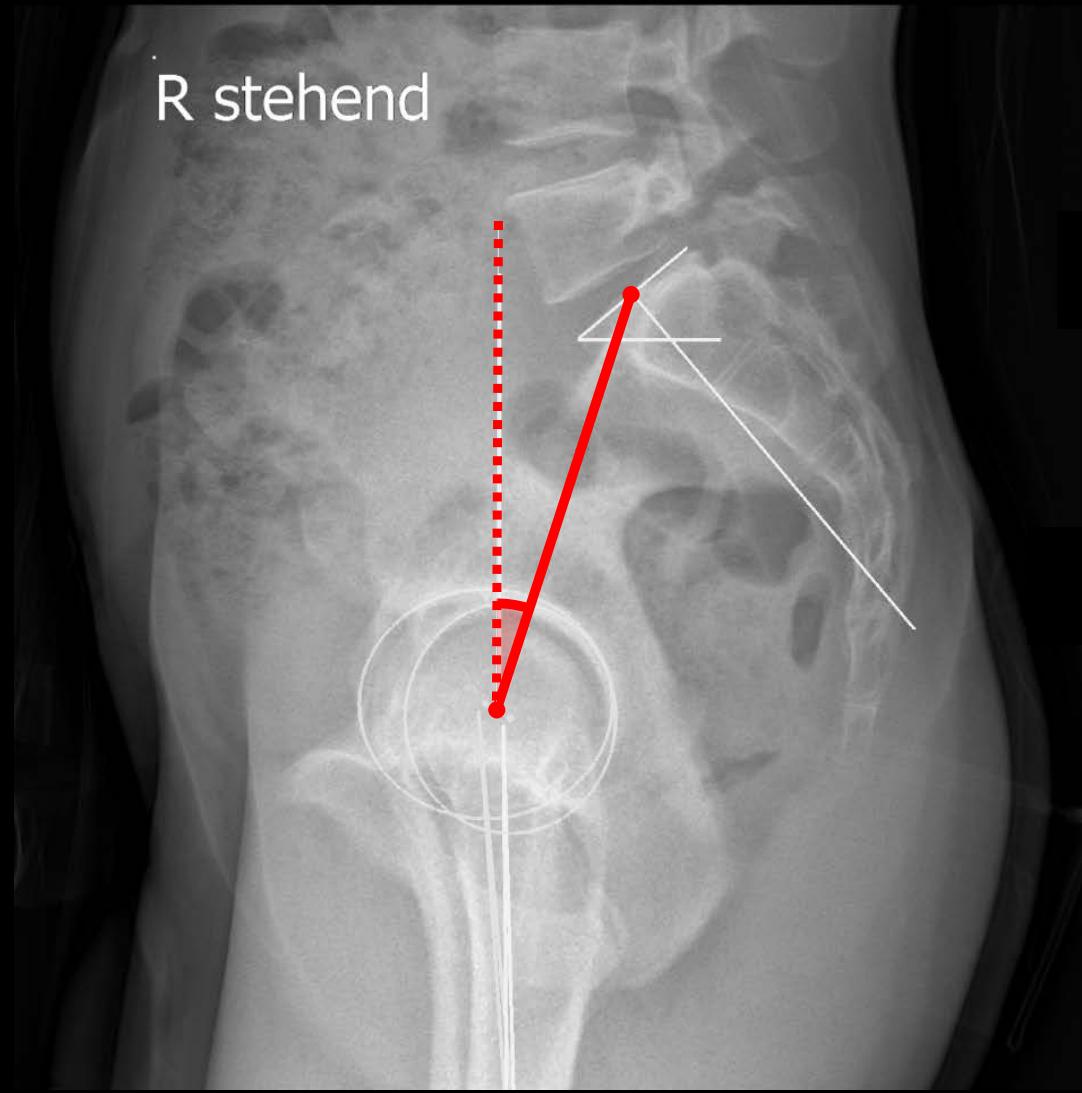
**Pelvic inclination 54°**

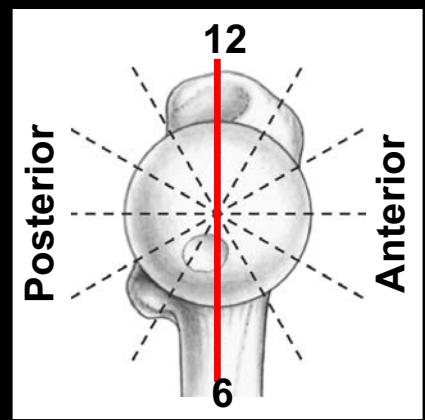
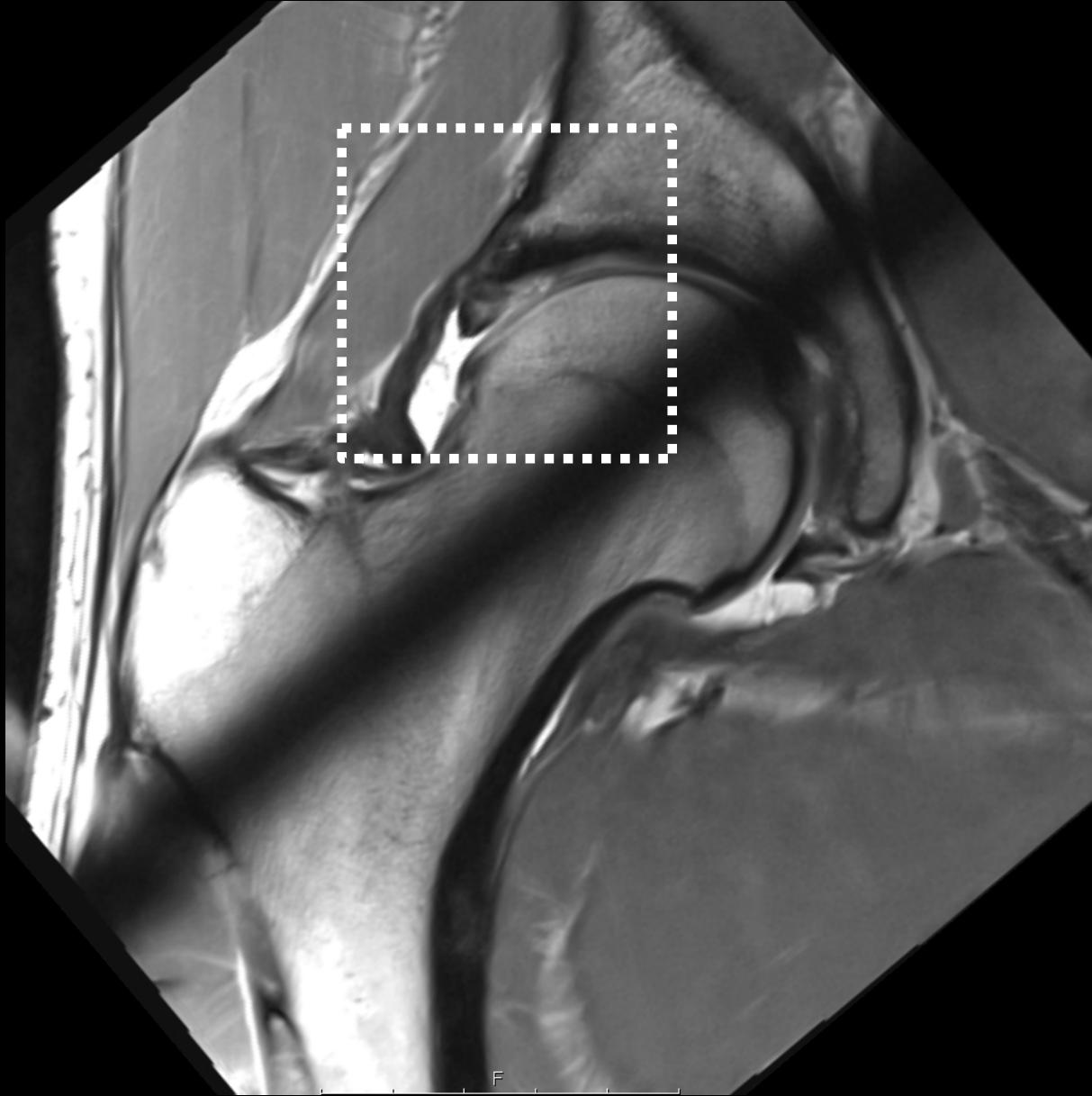
**Pelvic incidence 57°**

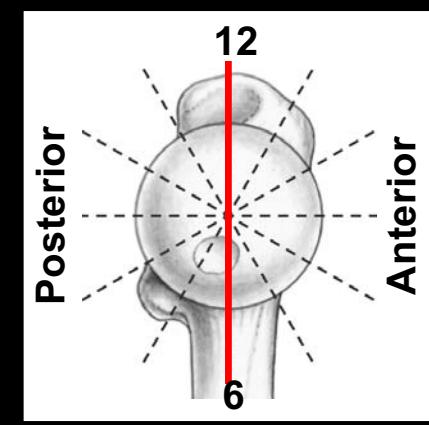
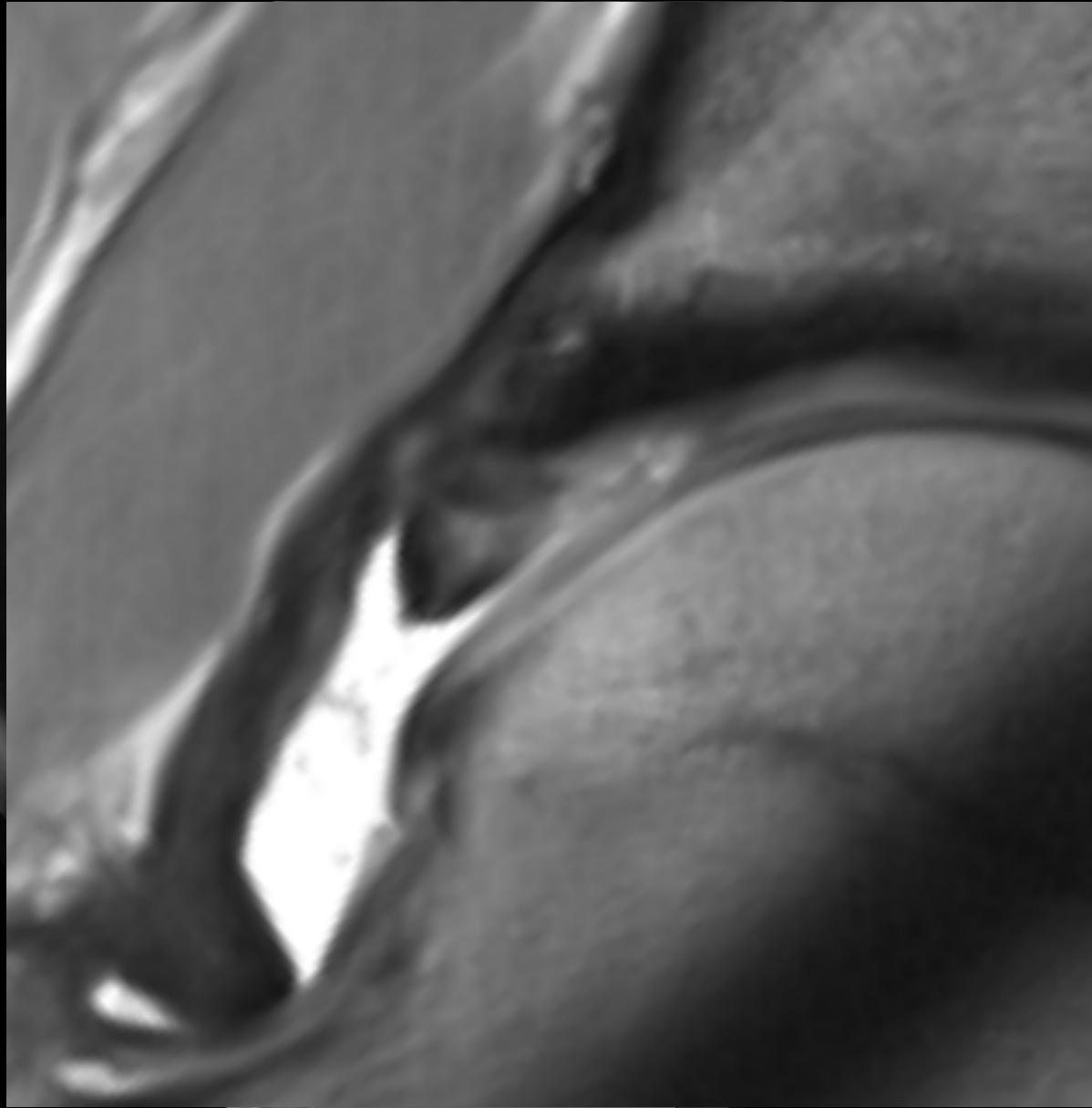
**Sacral slope 39°**

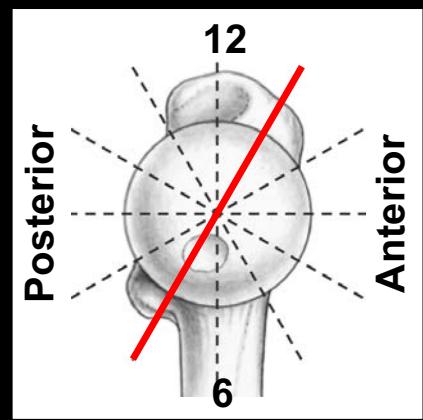
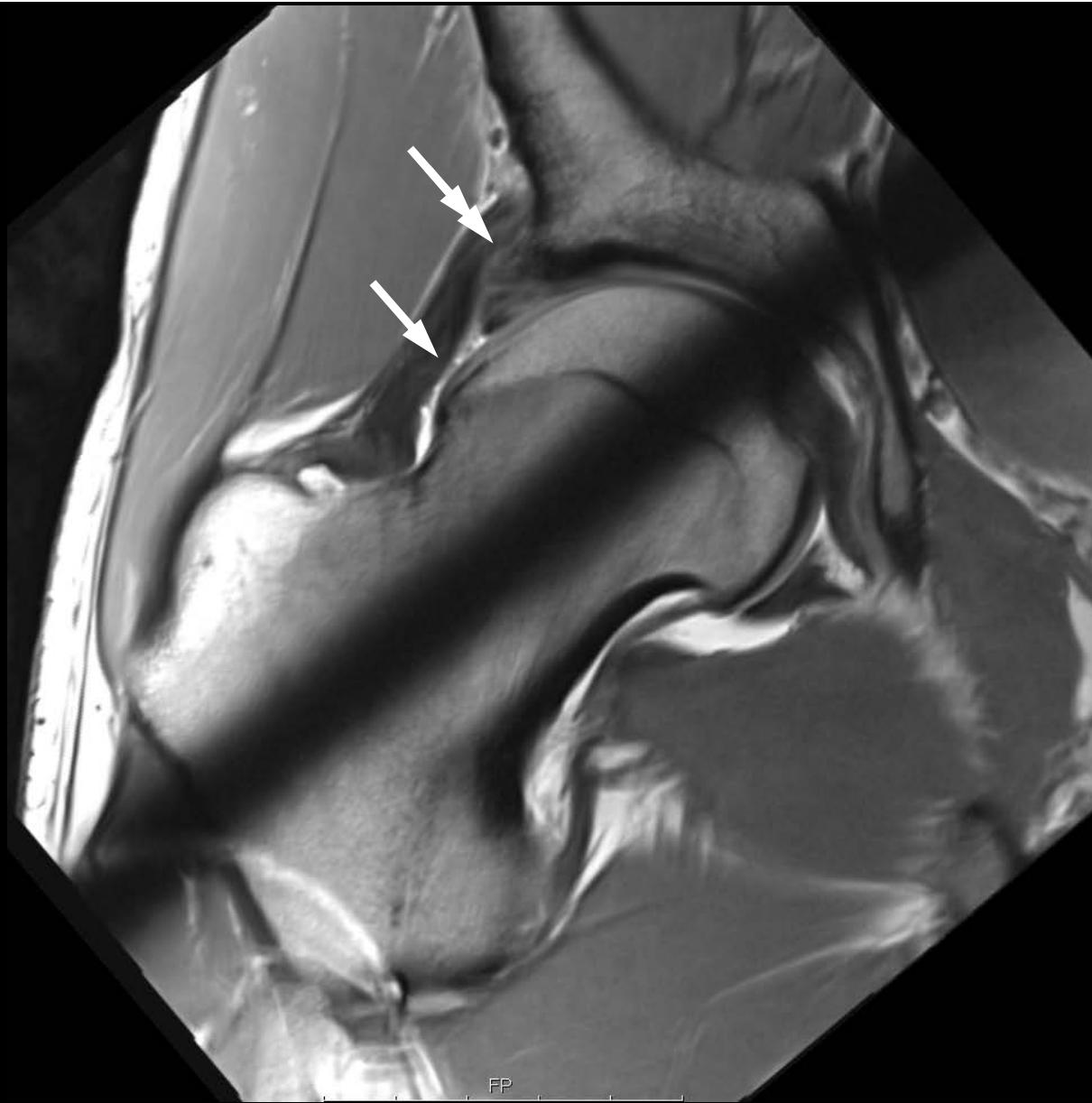


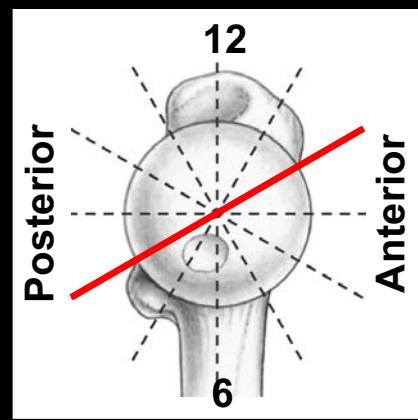
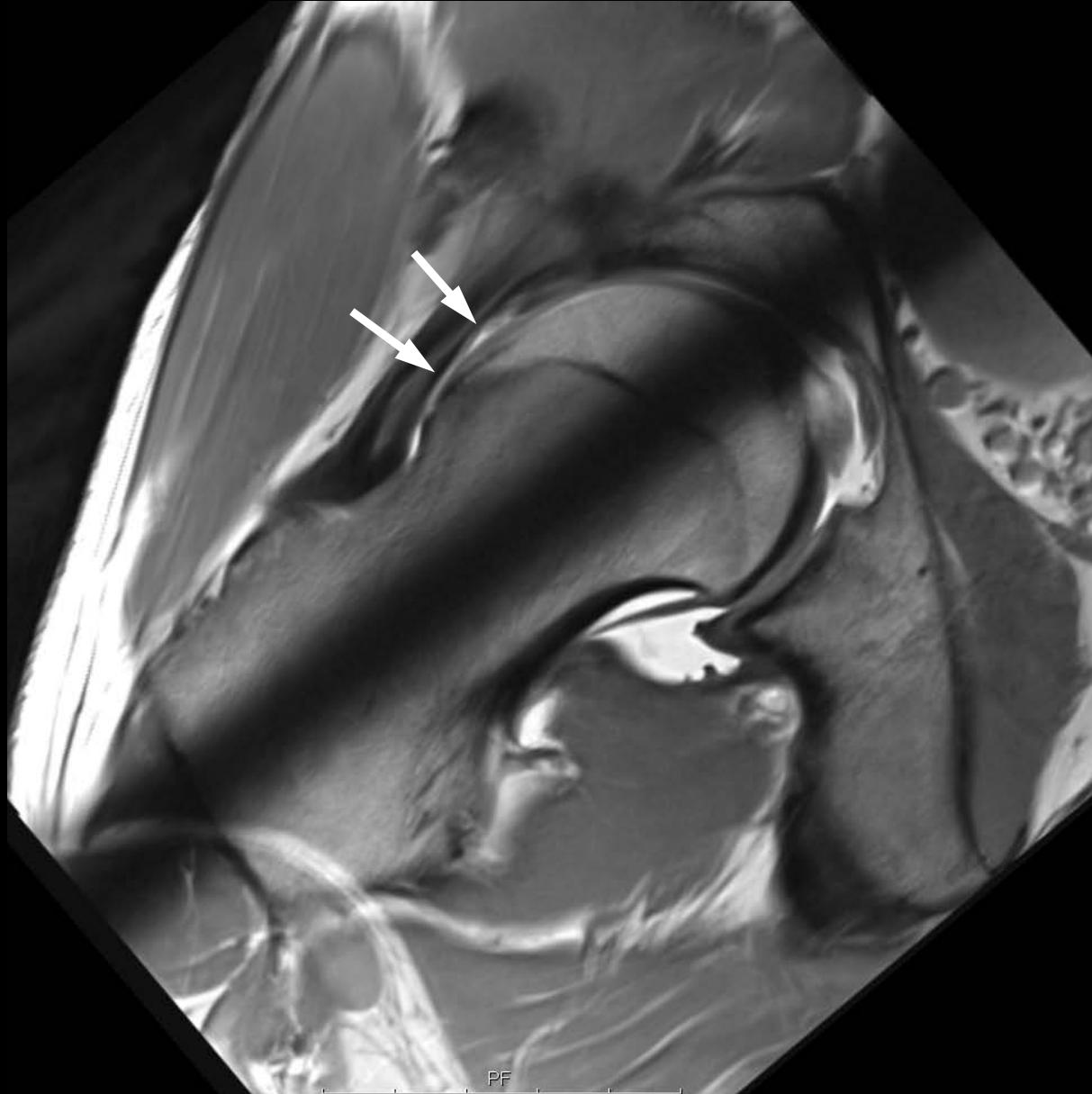
**Pelvic inclination**  $54^\circ$   
**Pelvic incidence**  $57^\circ$   
**Sacral slope**  $39^\circ$   
**Pelvic tilt**  $18^\circ$

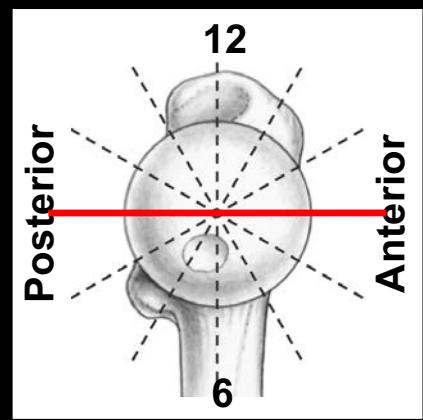
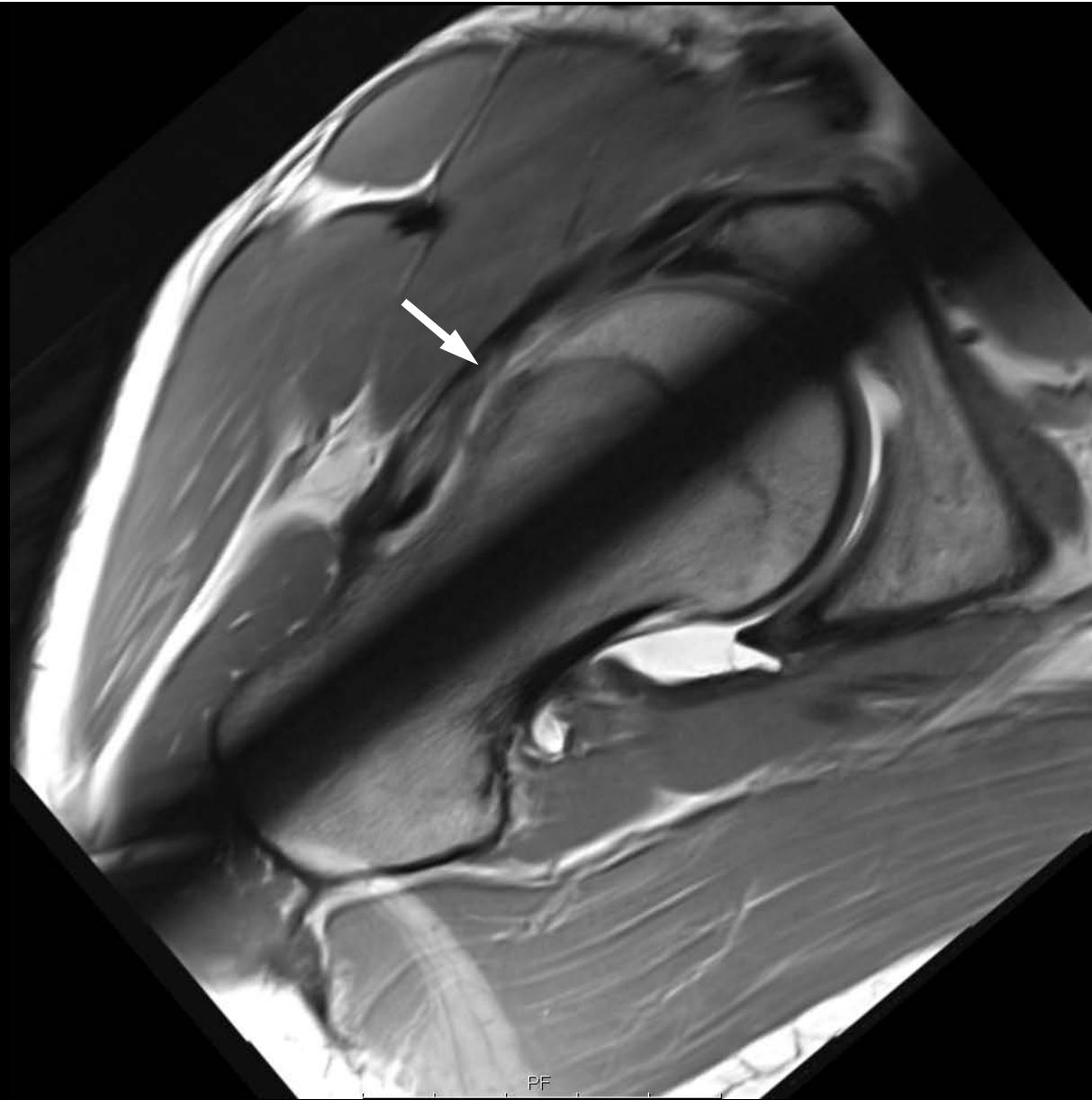


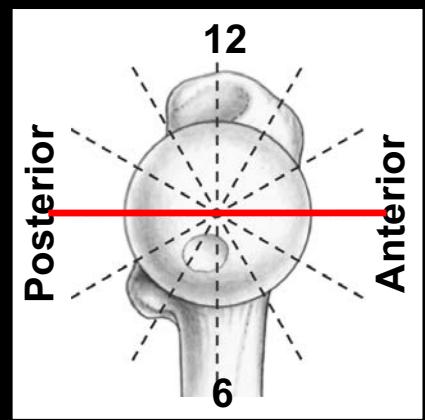
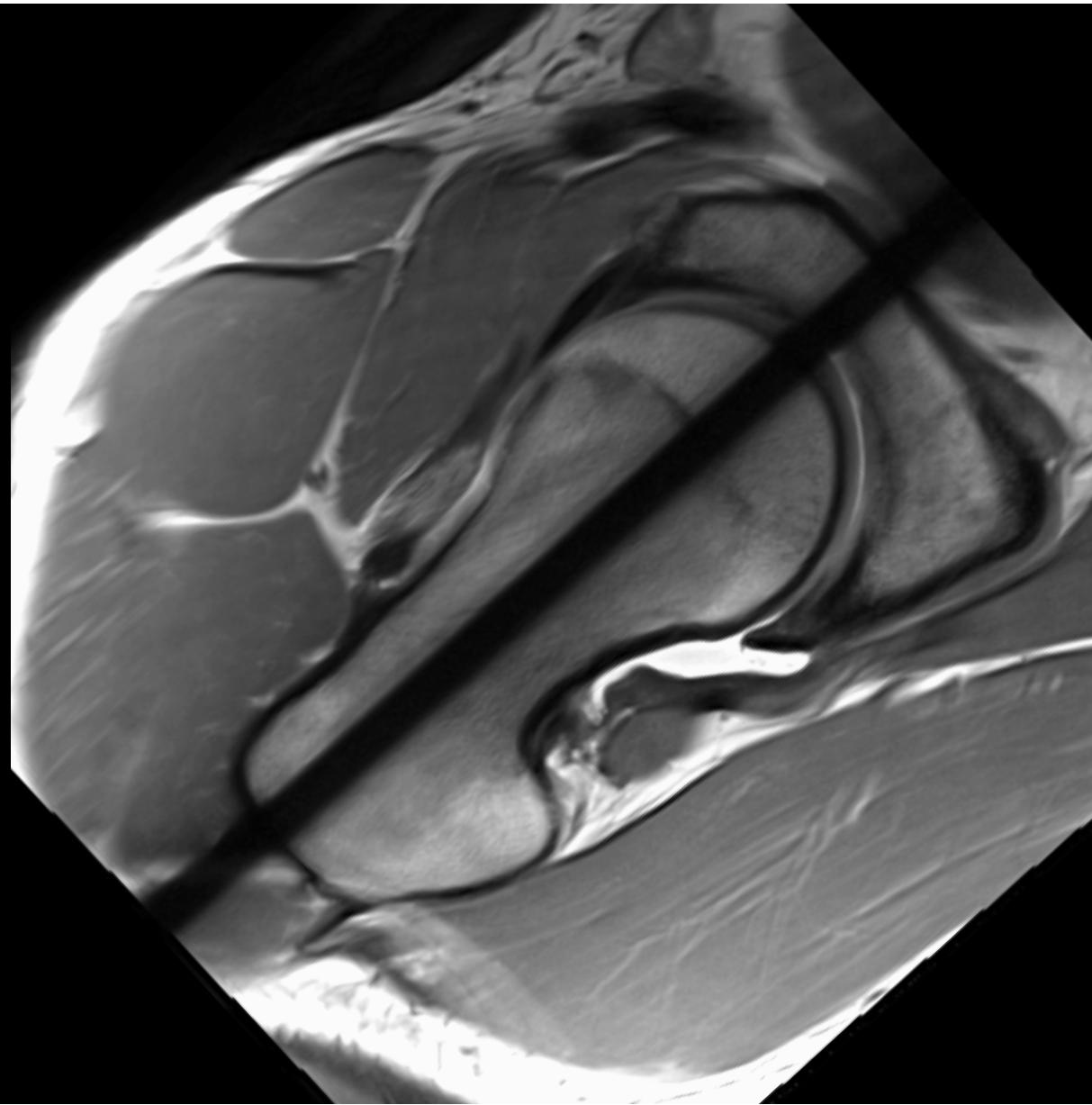


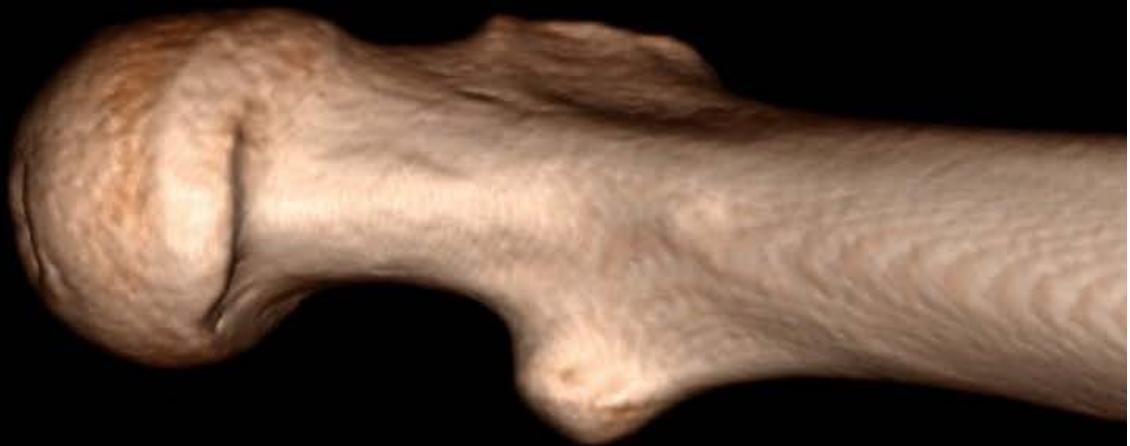






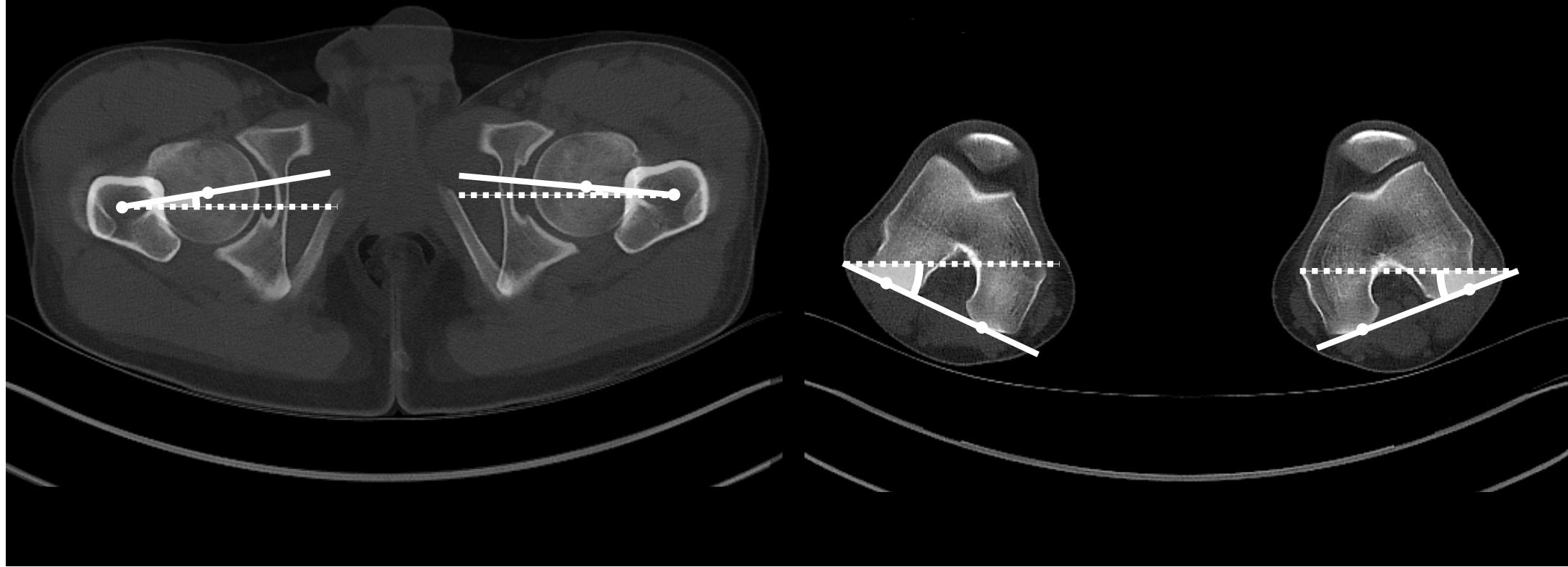






# Femoral Torsion

Right hip 30° Left hip 22°







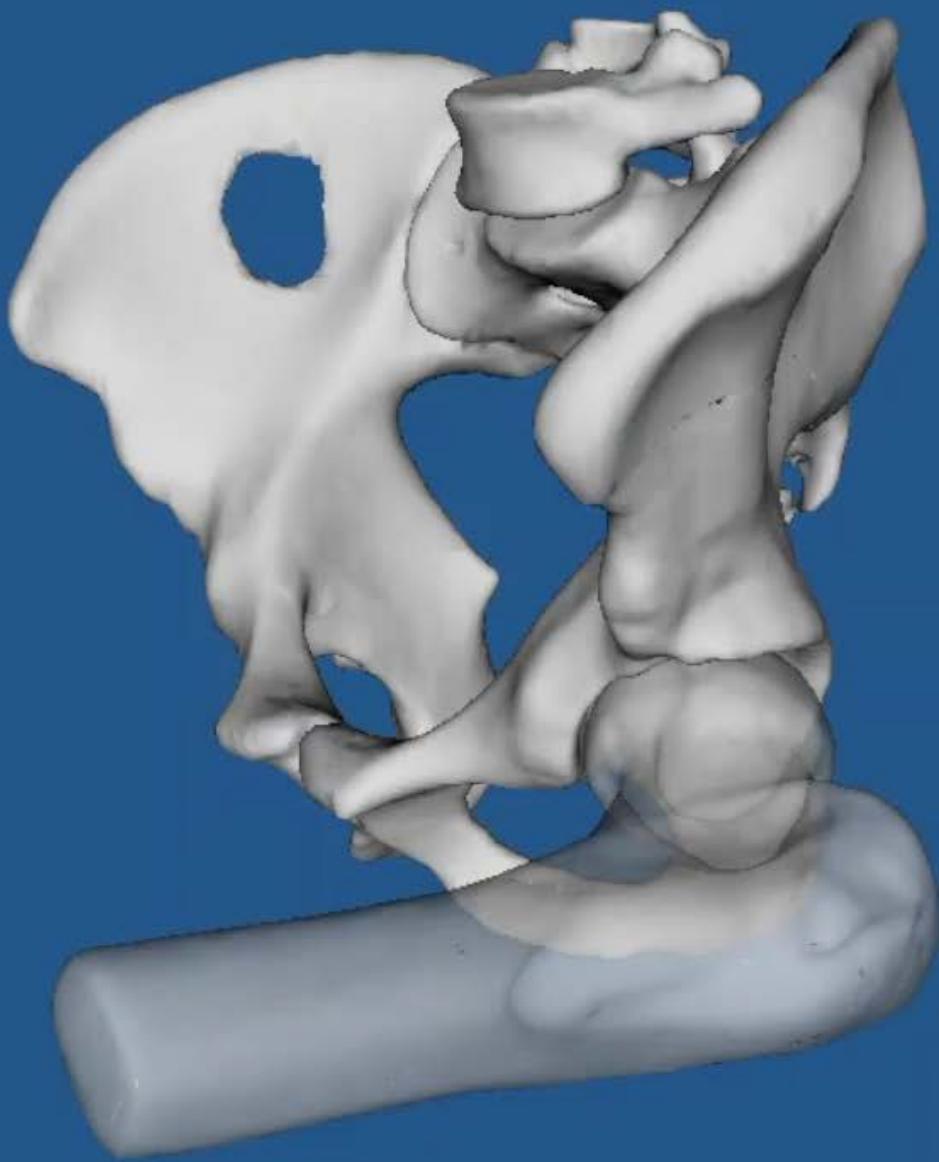




**Torsion  
of 22°**

**Torsion  
of 30°**





## Diagnosis

- > Mixed type of femoroacetabular impingement (FAI) with
  - acetabular retroversion (pincer)
  - anterosuperior cam deformity
  
- > Anterosuperior labrum and cartilage lesion
- > Normal femoral torsion of 22°



## Diagnosis

- > Mixed type of femoroacetabular impingement (FAI) with
  - acetabular retroversion (pincer)
  - anterosuperior cam deformity
  
- > Predictive factors:
  - Tönnis Stage 0
  - No previous surgery



## Aim of the Surgical Treatment

- > Reorientation of the acetabulum in an optimal orientation
- > Resection of anterosuperior cam deformity
- > **Anteverting PAO**
- > **Anterior capsulotomy with offset correction**

# VIDEOS

Click on the desired video from Bern Hip Symposium to play it.

ALL

SYMPOSIUM 2018

SYMPOSIUM 2016

SURGICAL TECHNIQUES

LIVE SURGERY

HISTORY

TV

