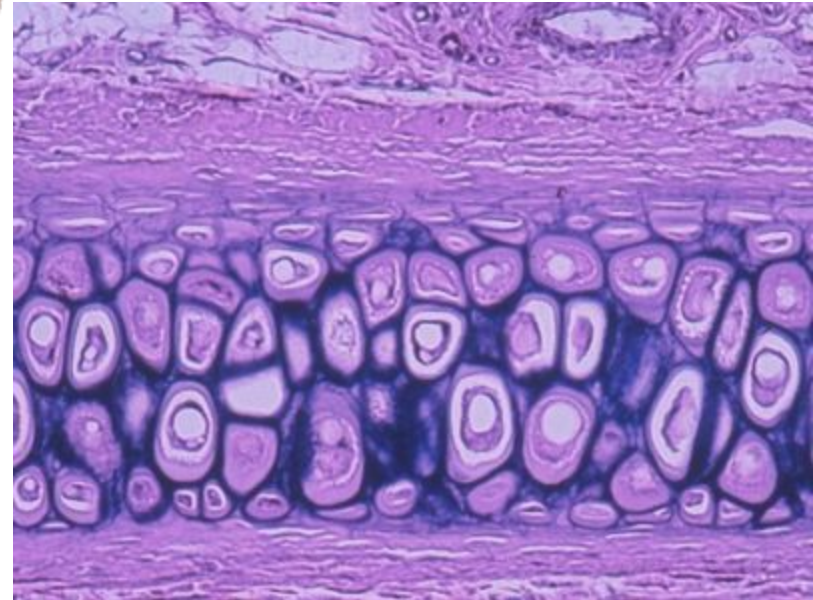


OA

cartilage



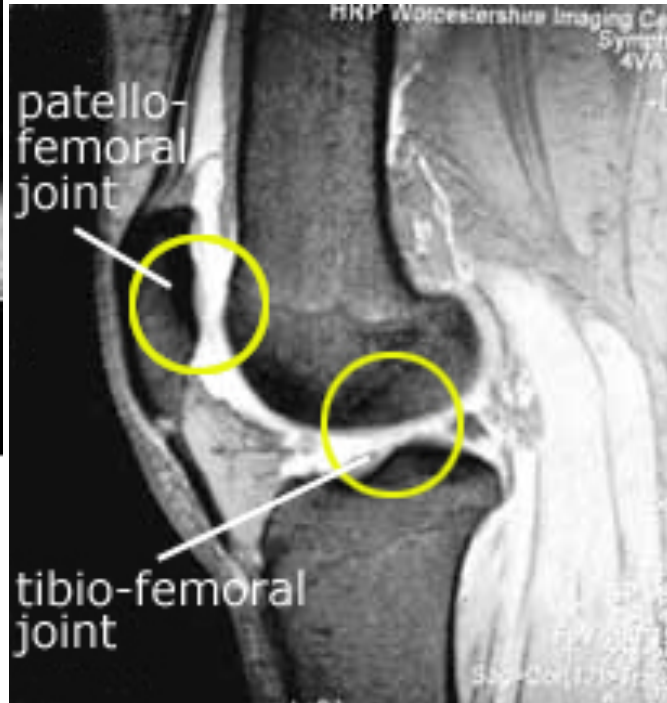
Avascular

Aneural

Alymphatic

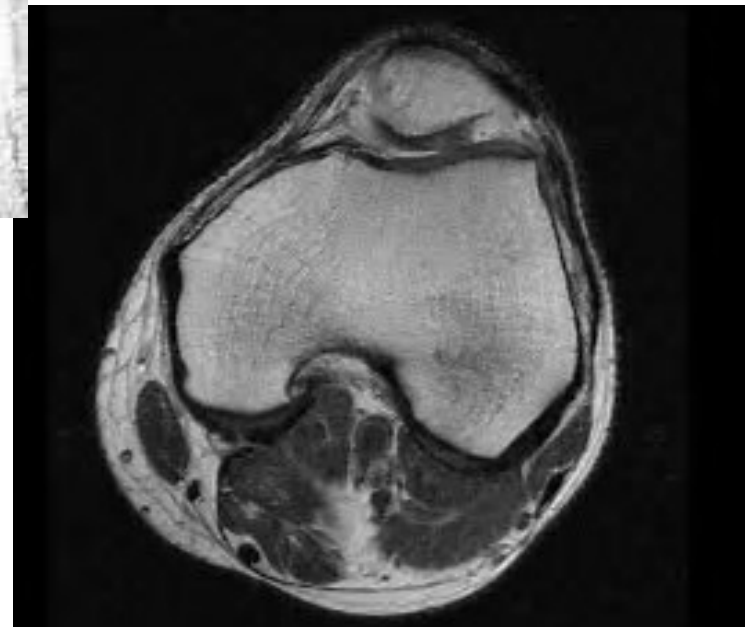


Knee - Normal ACL



patello-femoral joint

tibio-femoral joint



- Deformity.
- Trauma.
- Infection.
- Bleeding
- Inflammation.
- Metabolic.
- Unknown.

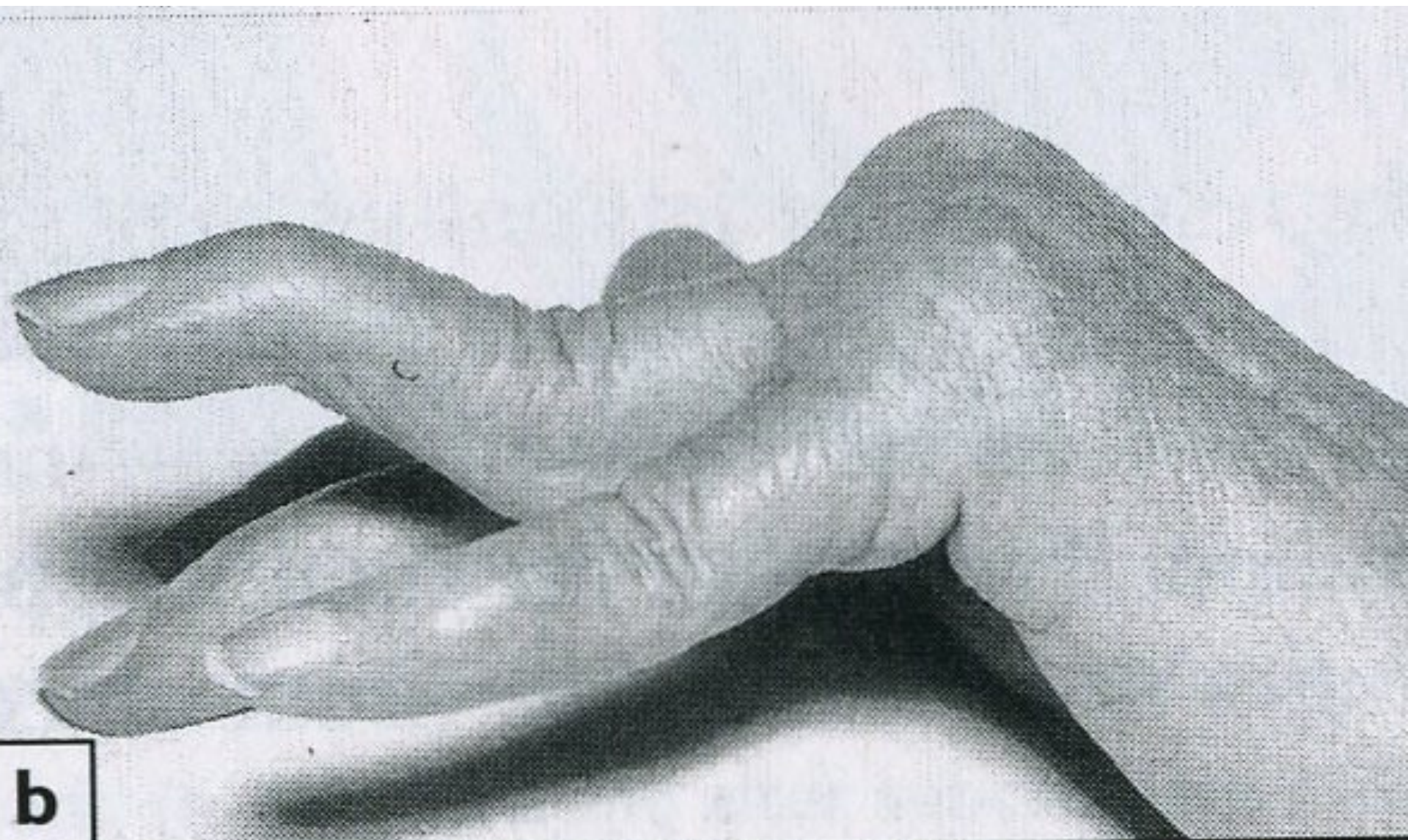
Pain

Deformity

lose of function



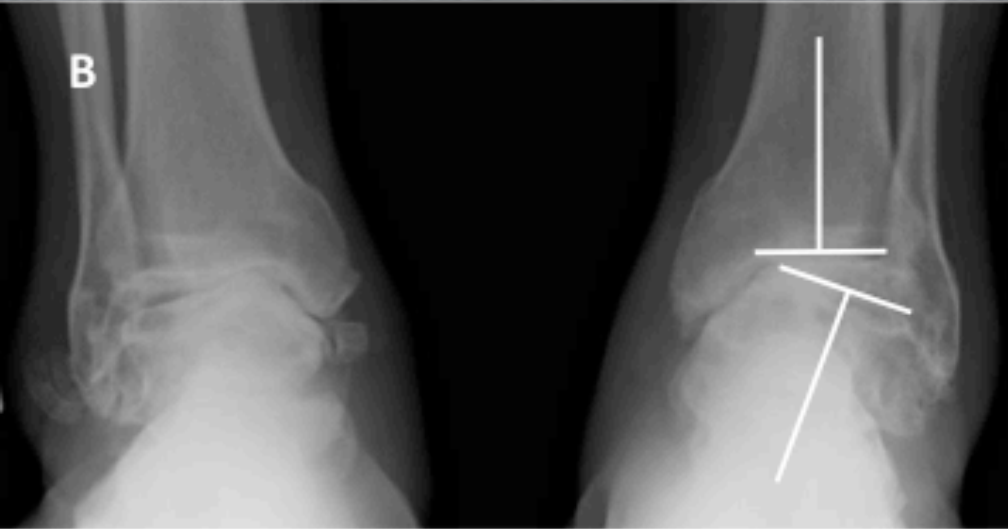
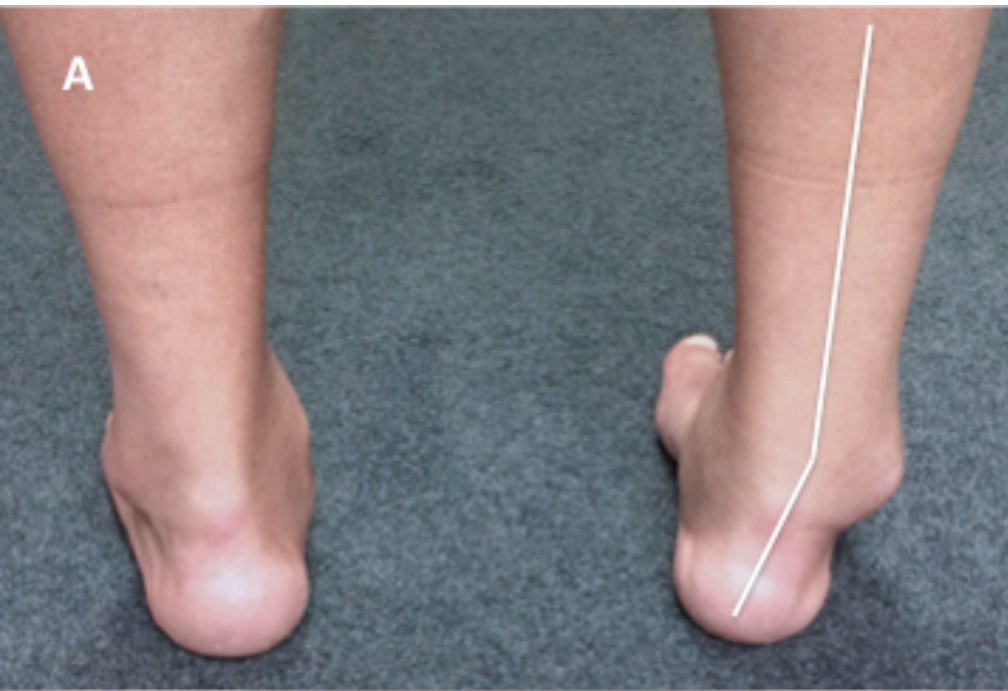
Figure 1 Patient with severe dislocation of both wrists.

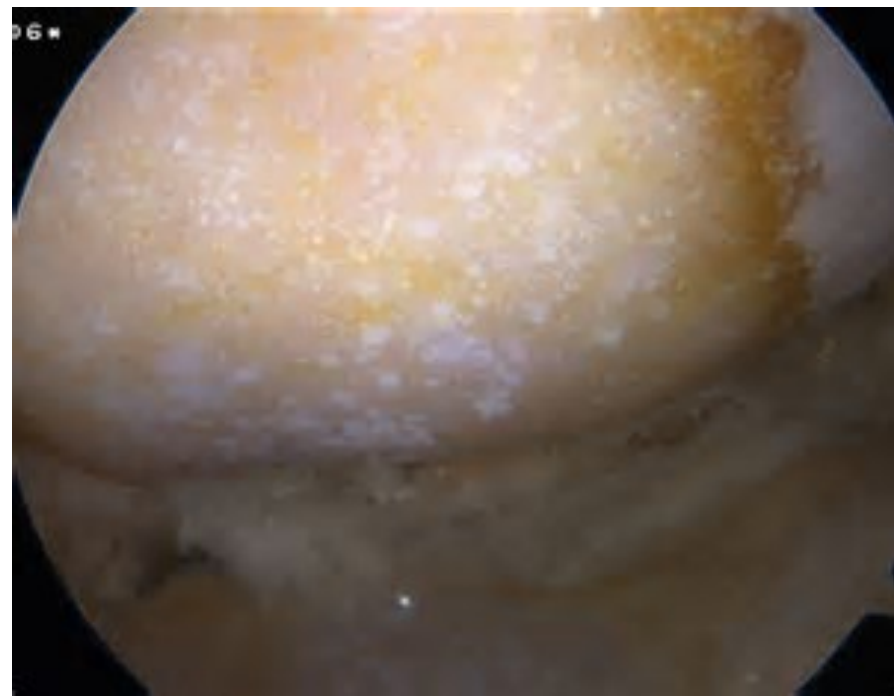
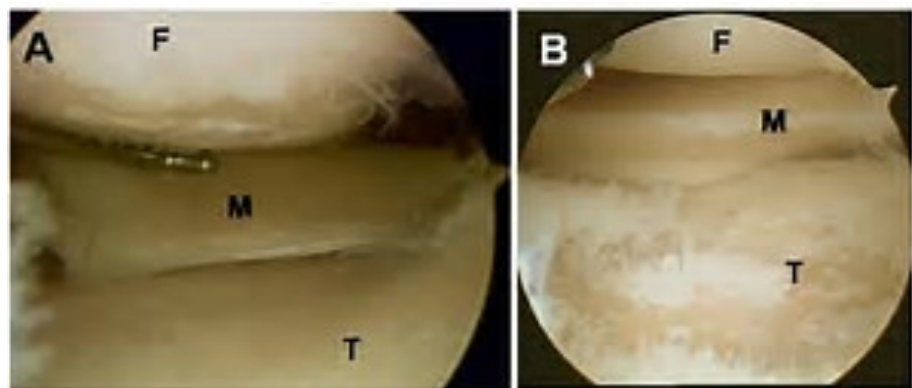
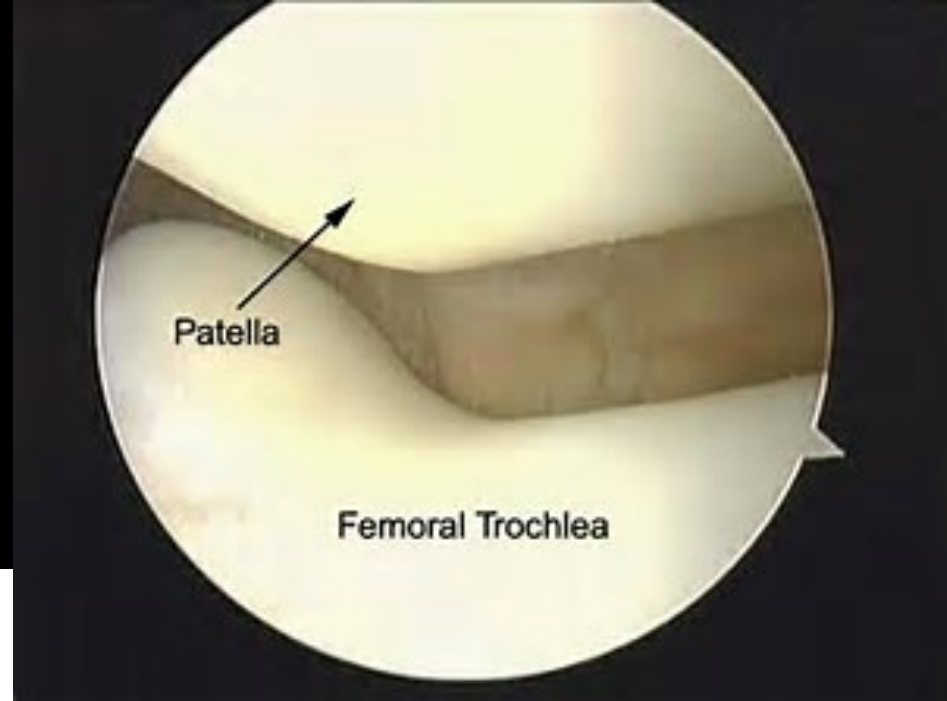


b









X-ray



Figure 1



Figure 2



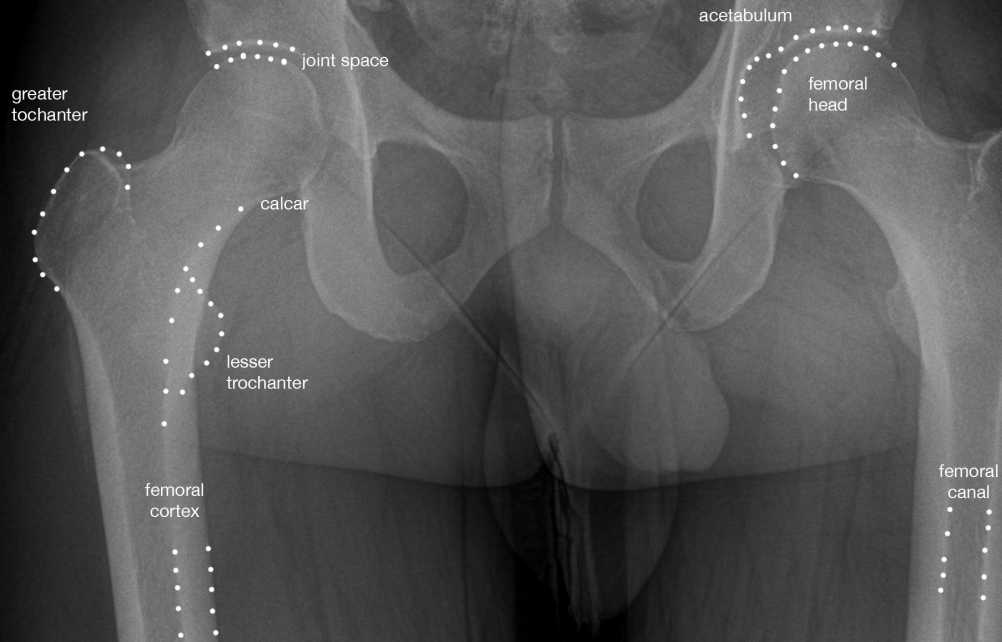
Rheumatoid

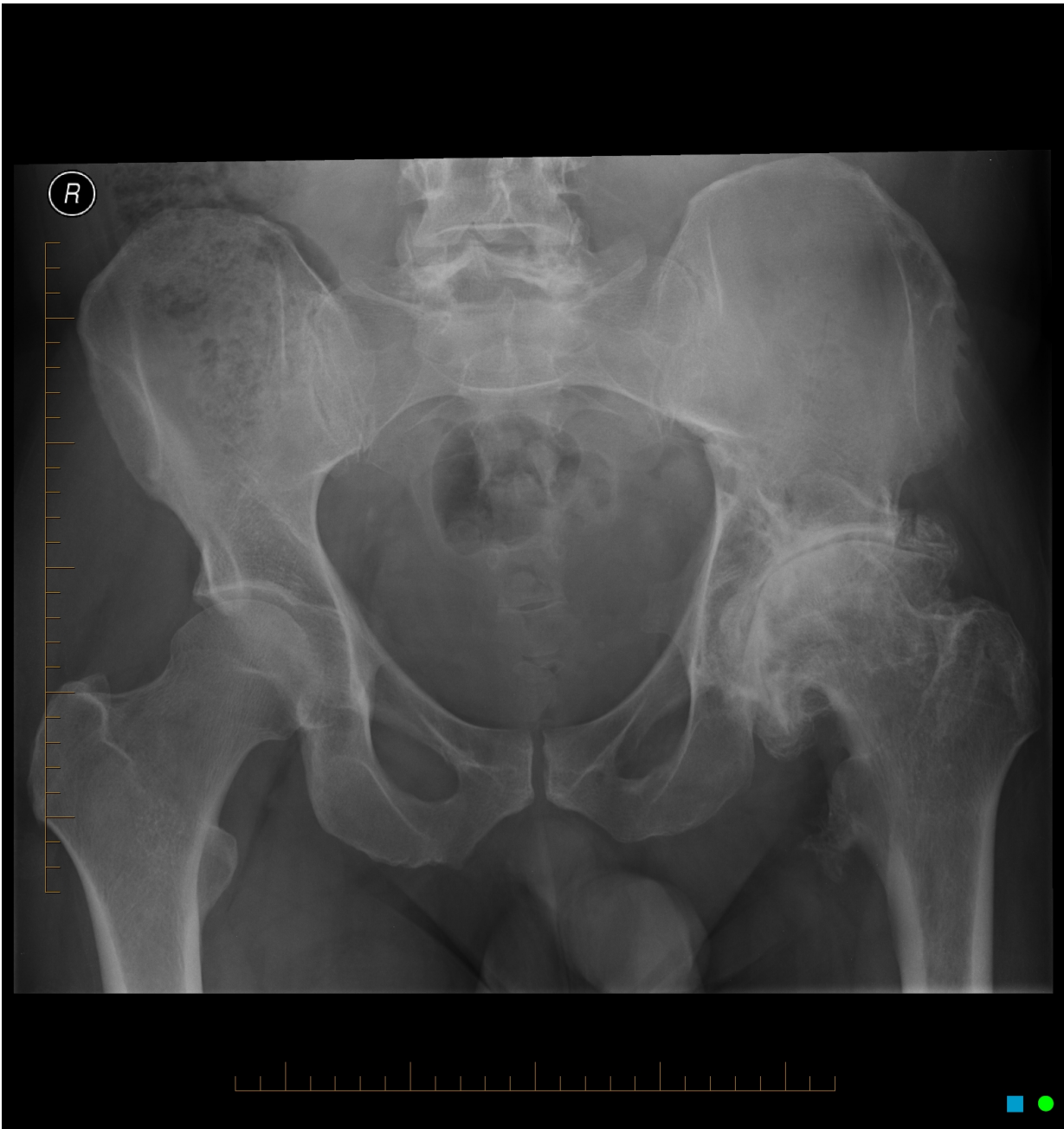






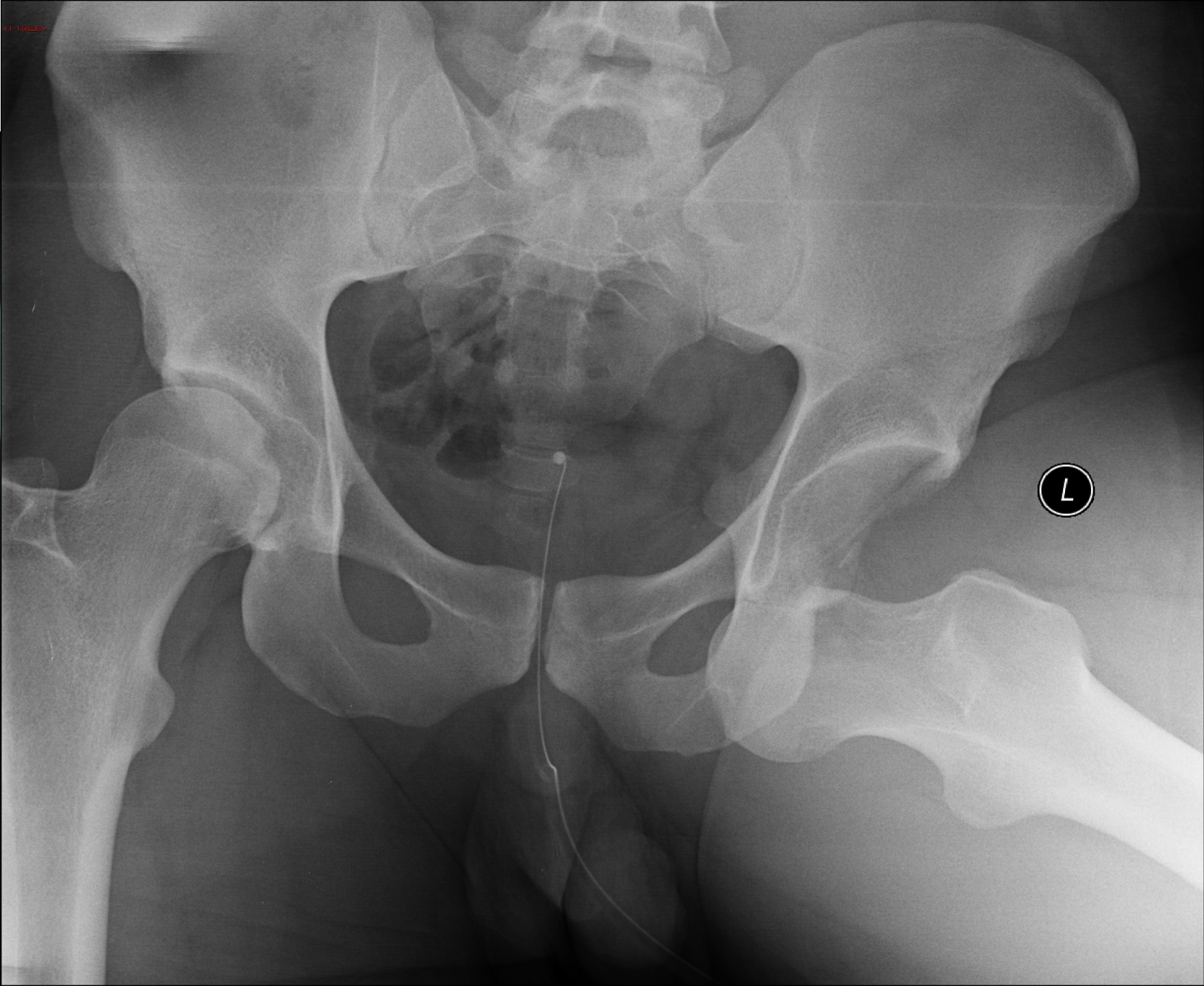
35 year old male with normal pelvis and no arthritis







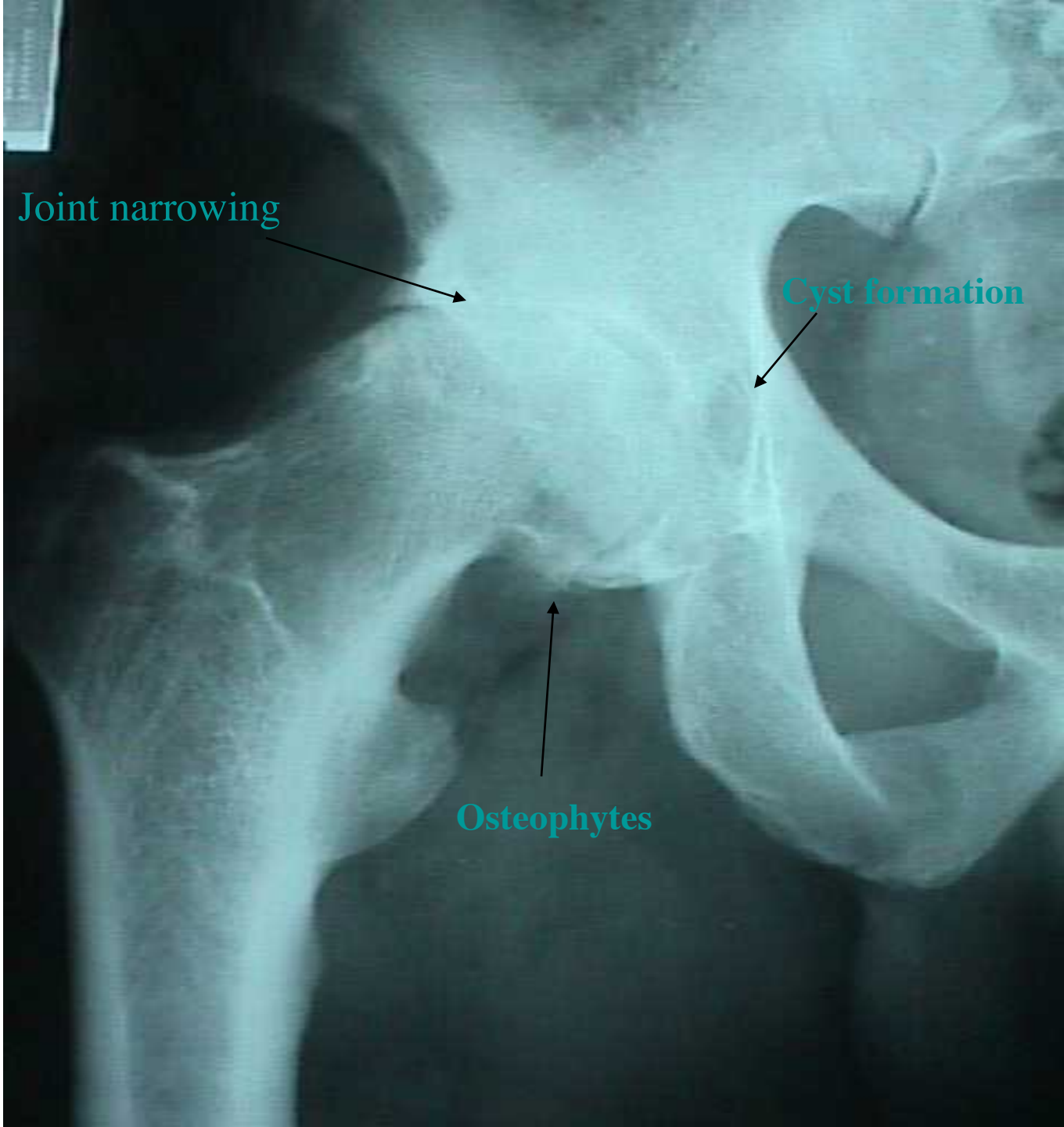
Advanced hip arthritis



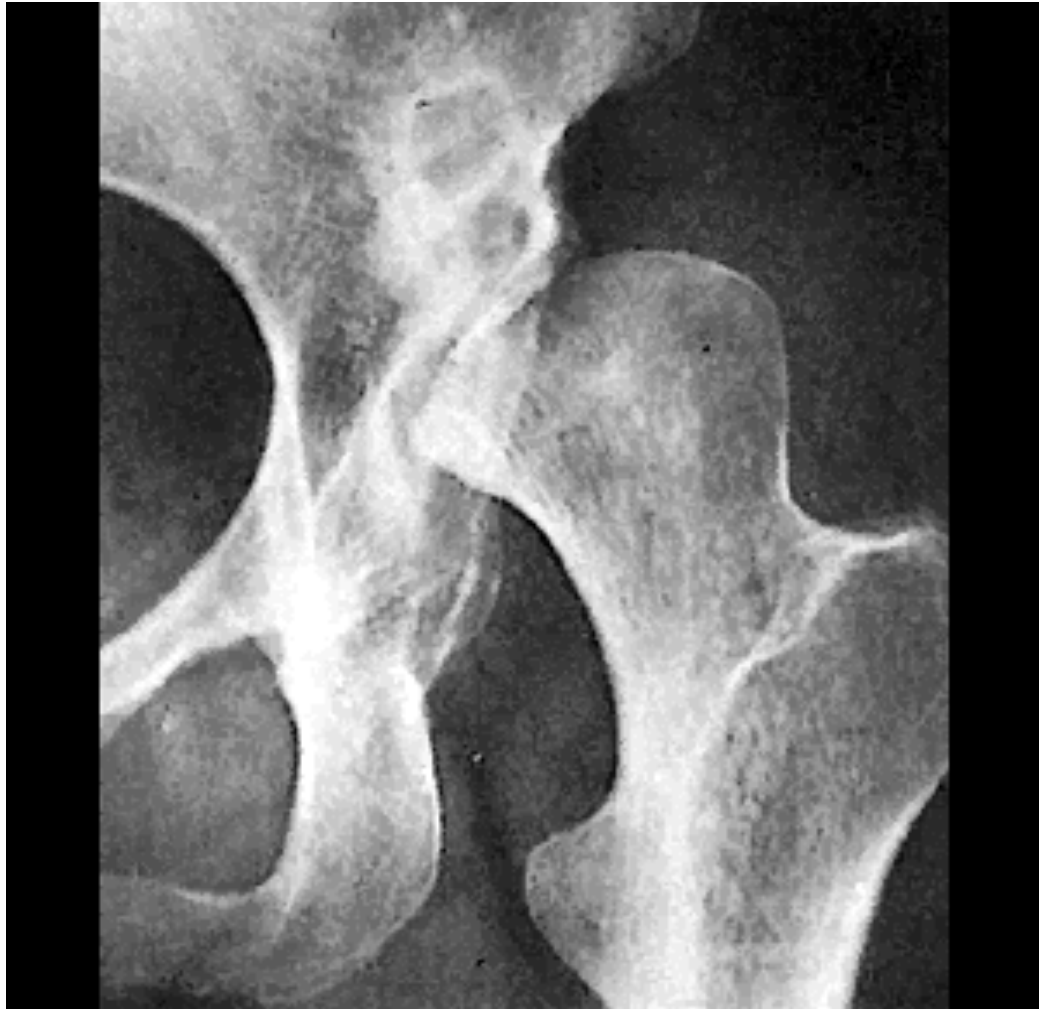
Joint narrowing

Cyst formation

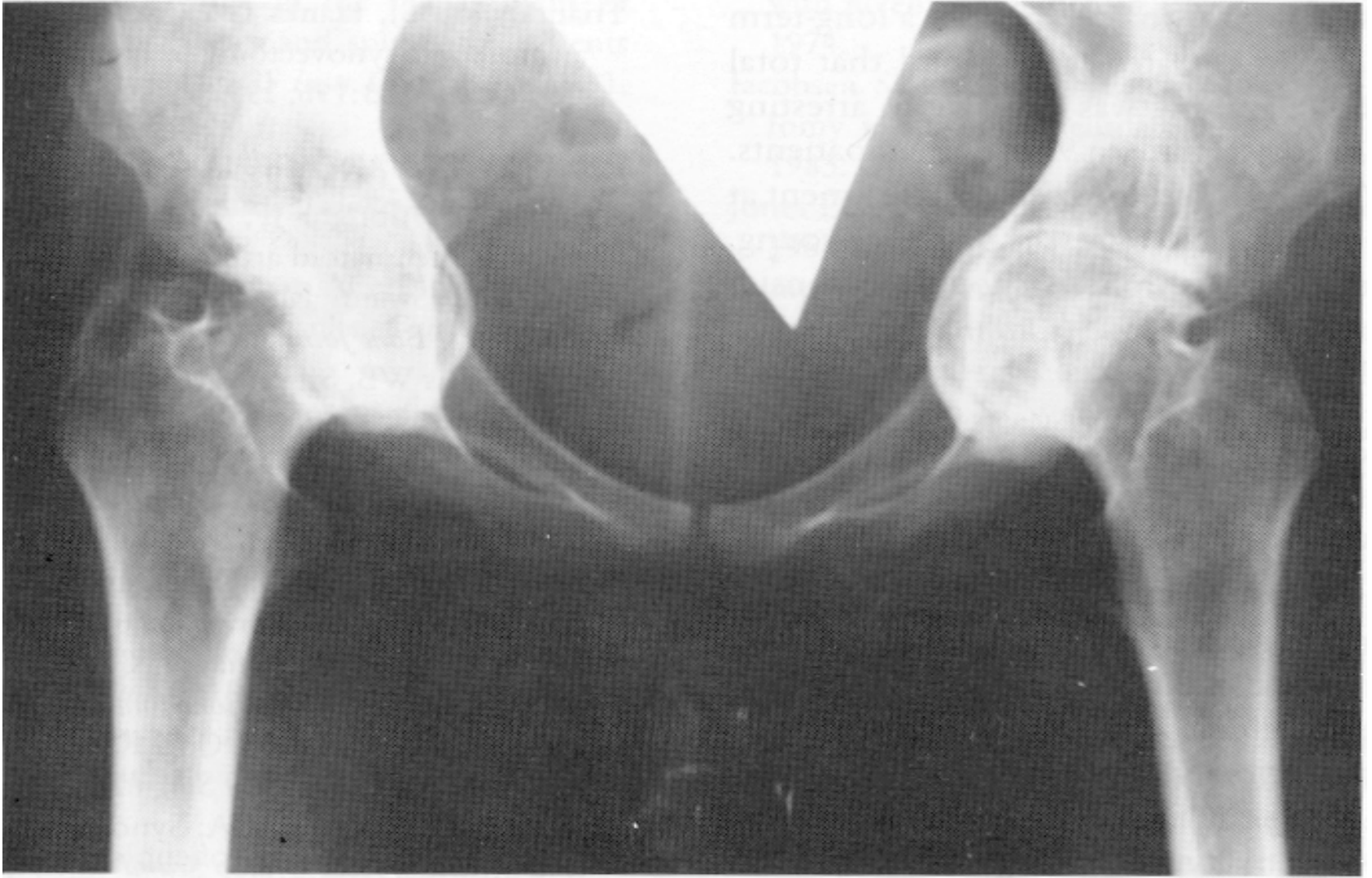
Osteophytes



Dysplasia



Protrusio



Treatment:

Conservative.

Surgical.

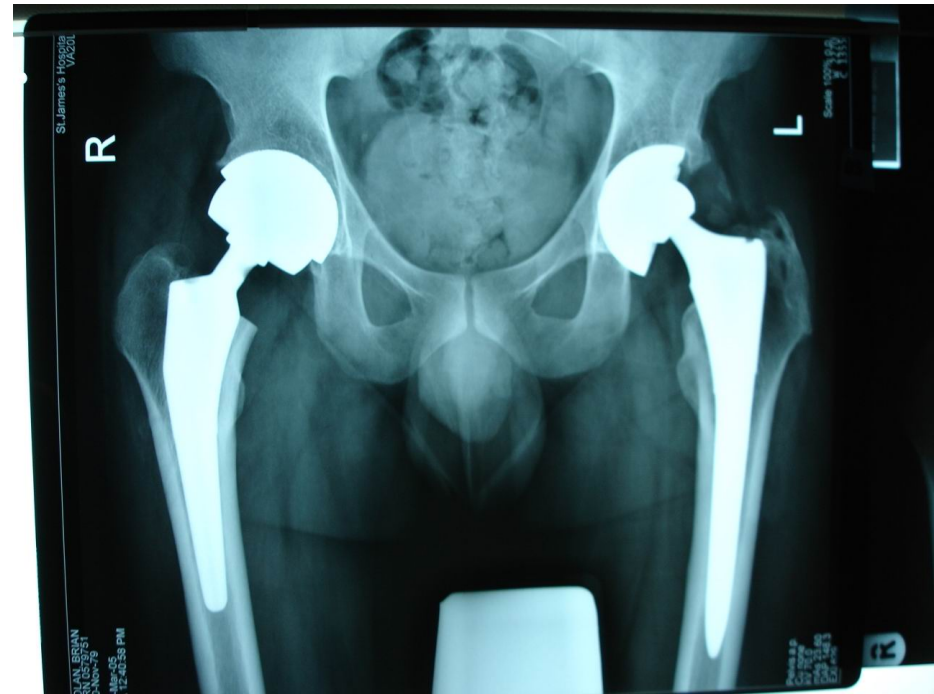
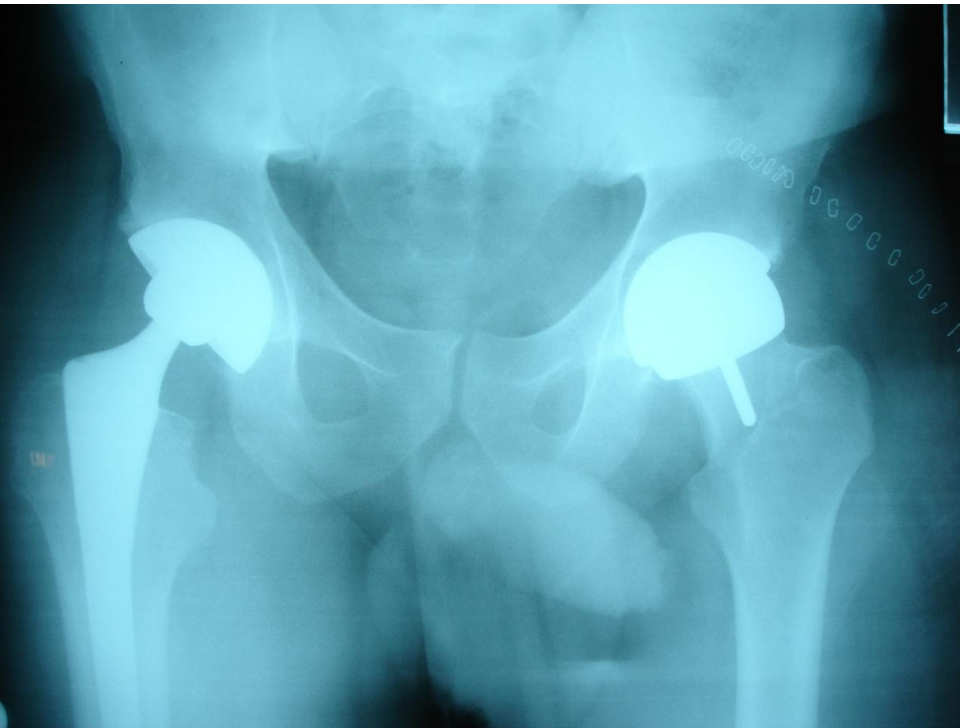
Conservative.

- Weight.
- Exercise.
- Physiotherapy.
- Walking aid.
- Analgesia.

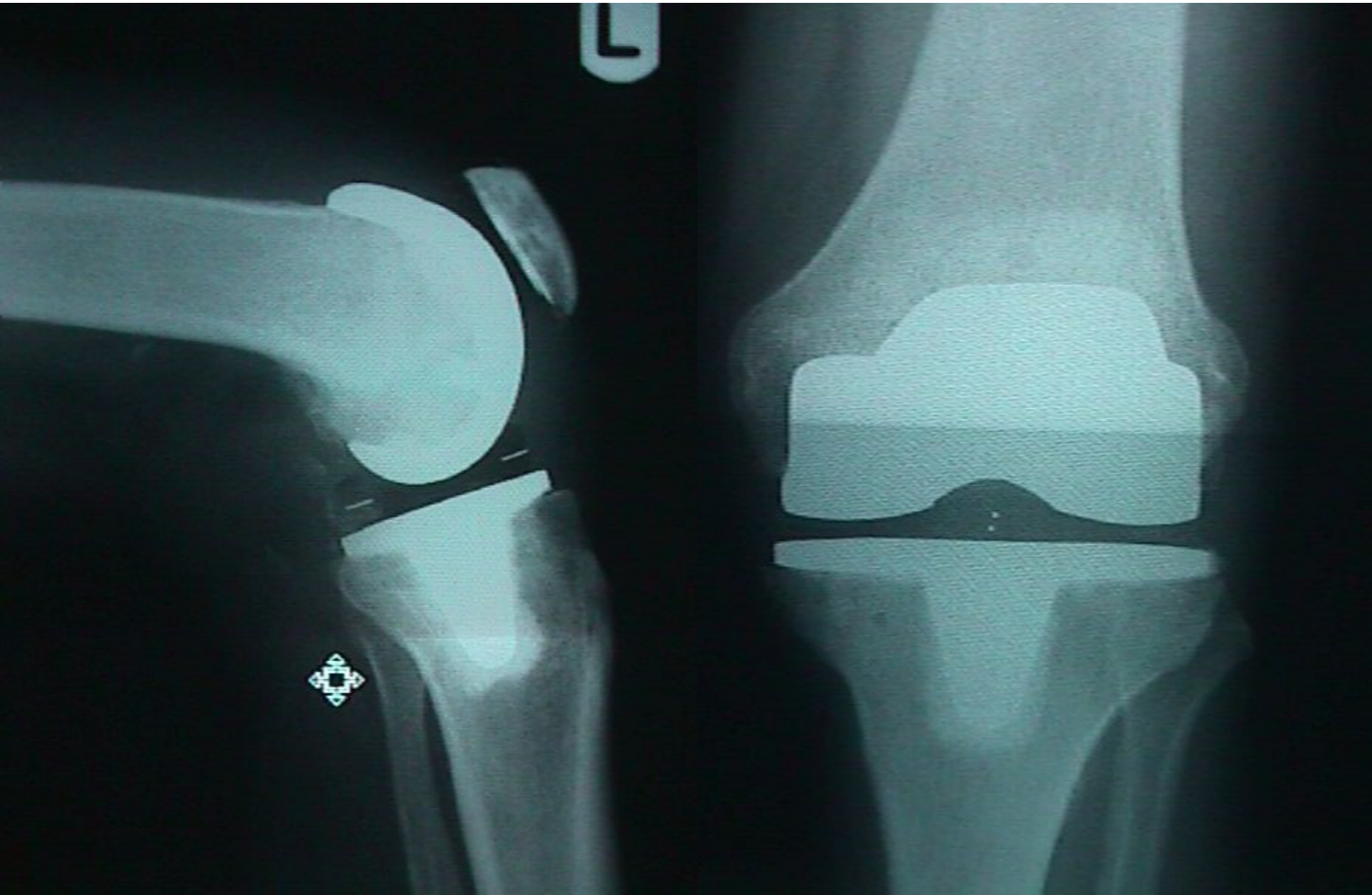
Conservative.

- Supplements.
- Injections.
- Arthroscopy.
- Guidelines.

Surgical:



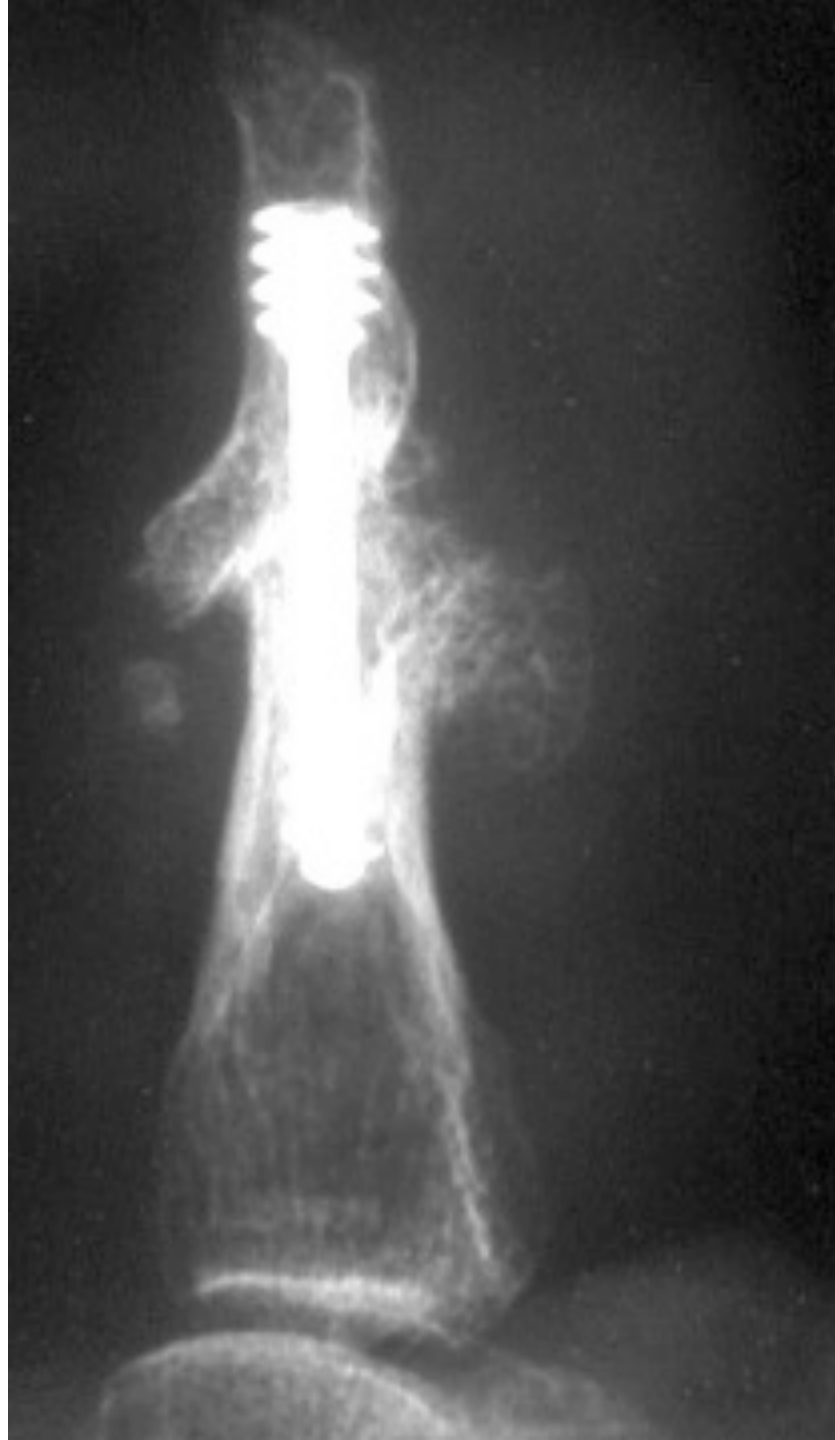
LCS TKR (DePuy)

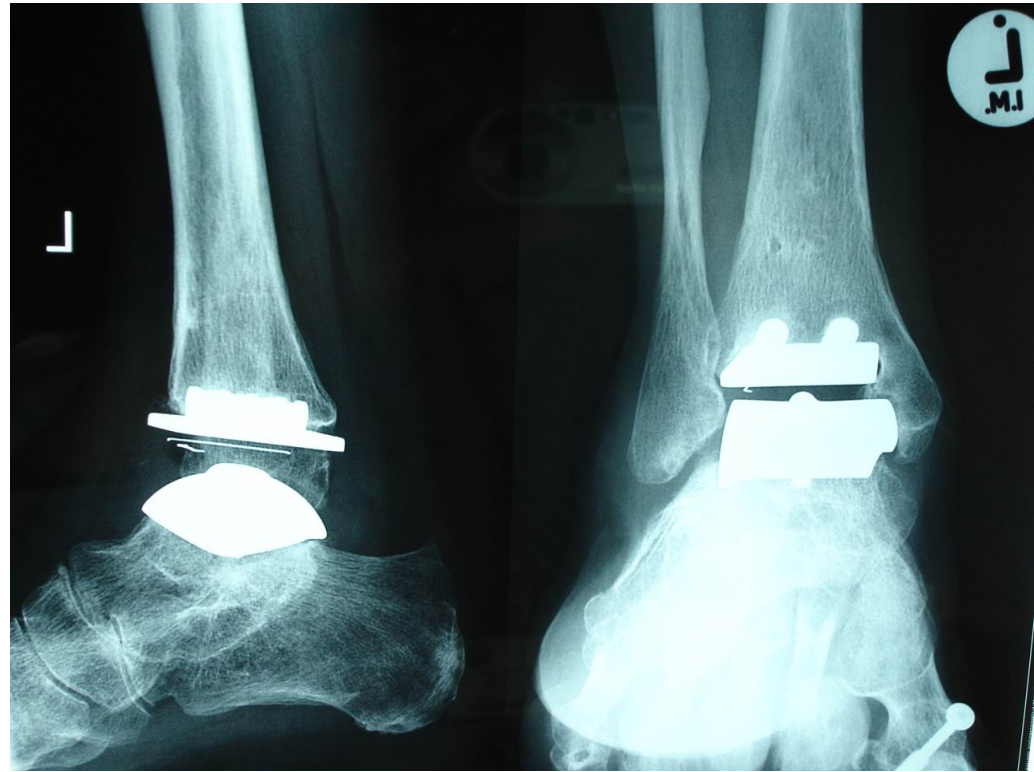




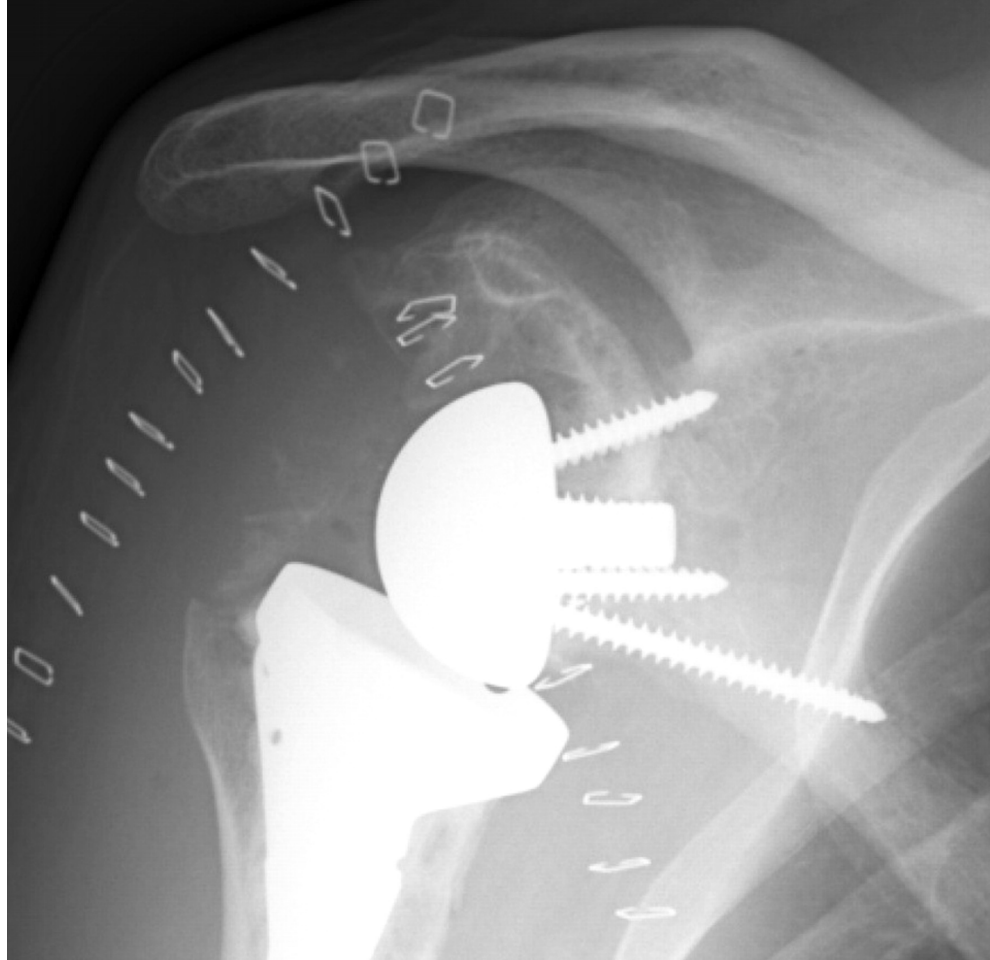












Complications:

- **Early:**
 - Infection.
 - Thrombo-embolic.
 - Dislocation.
 - Nerve injury.
- **Late:**
 - infection.
 - Loosening.
 - Wear.