

Clinical Anatomy

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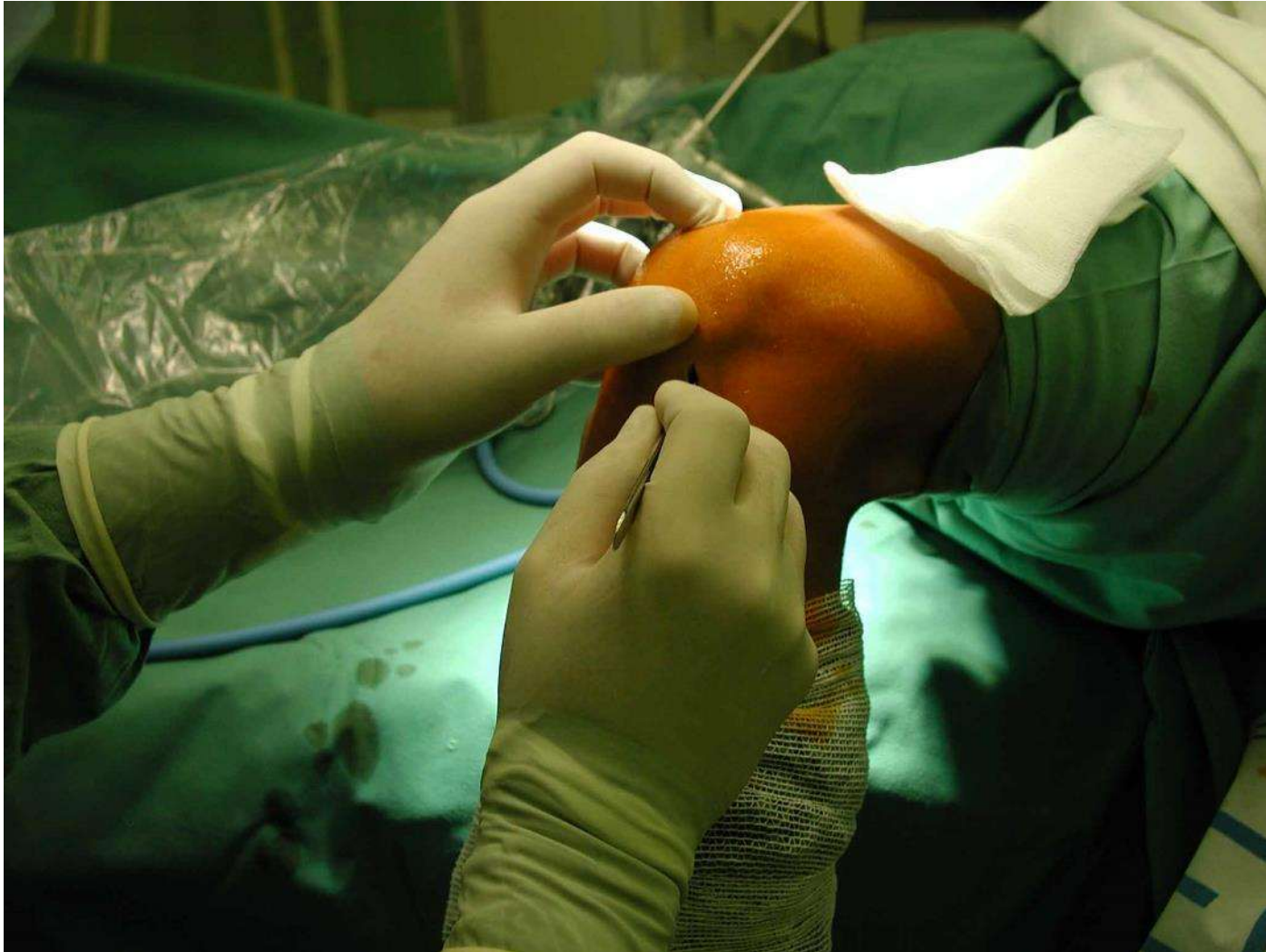
¹Ortopedická klinika dětí a dospělých 2.LF-UK a FN Motol

²Anatomický ústav 1. LF-UK

Clinical Anatomy of knee

- » palpable structures
- » bones
- » retinacula
- » ligaments
- » muscles
- » arthroscopy anatomy
- » treatment possibilities
- » clinical examination

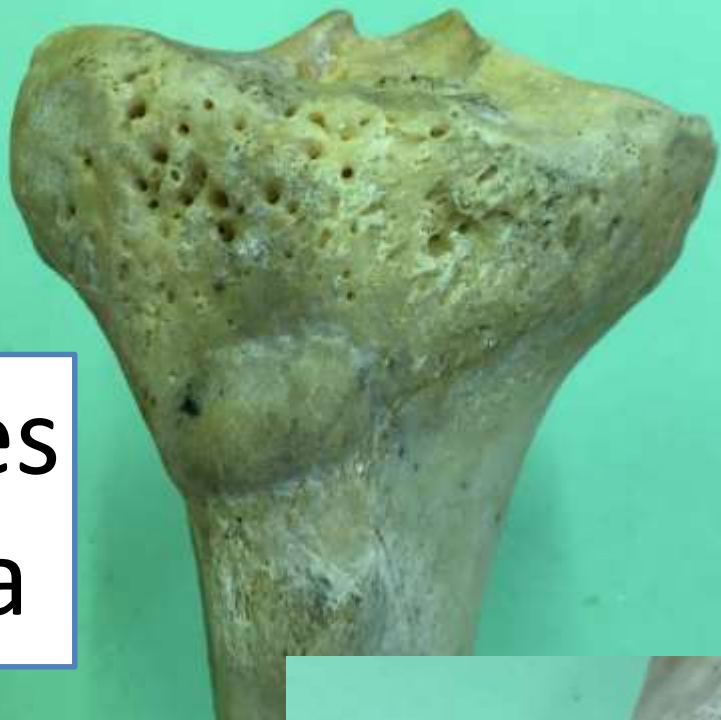
Palpable structures



Bones Femur



Bones
Tibia



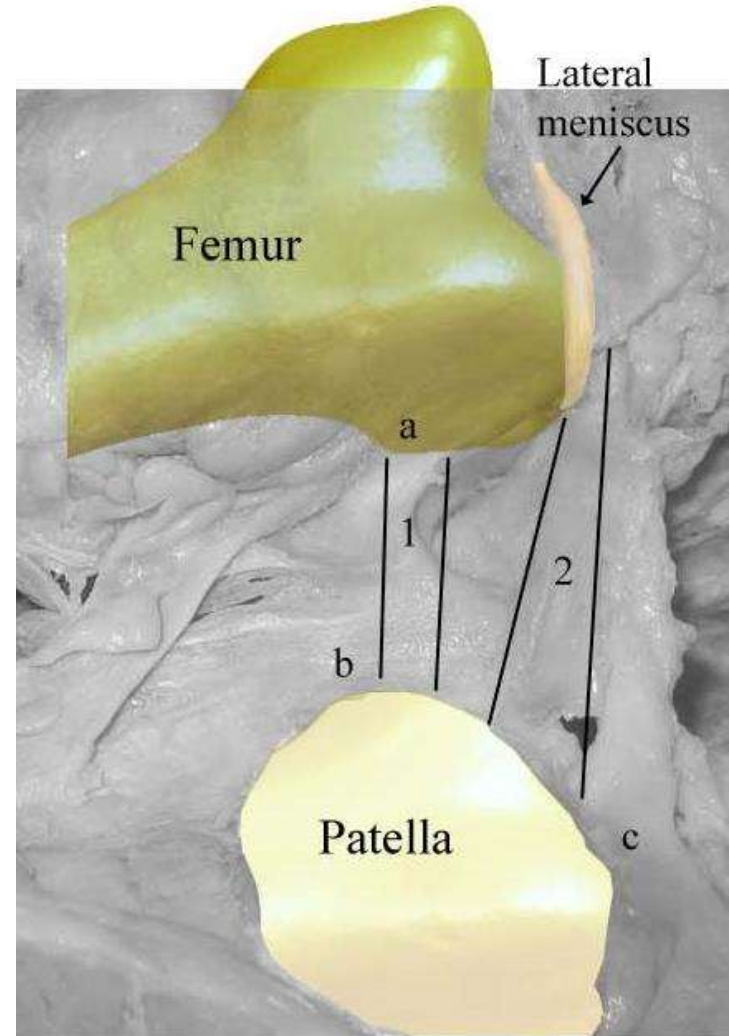
Bones patella



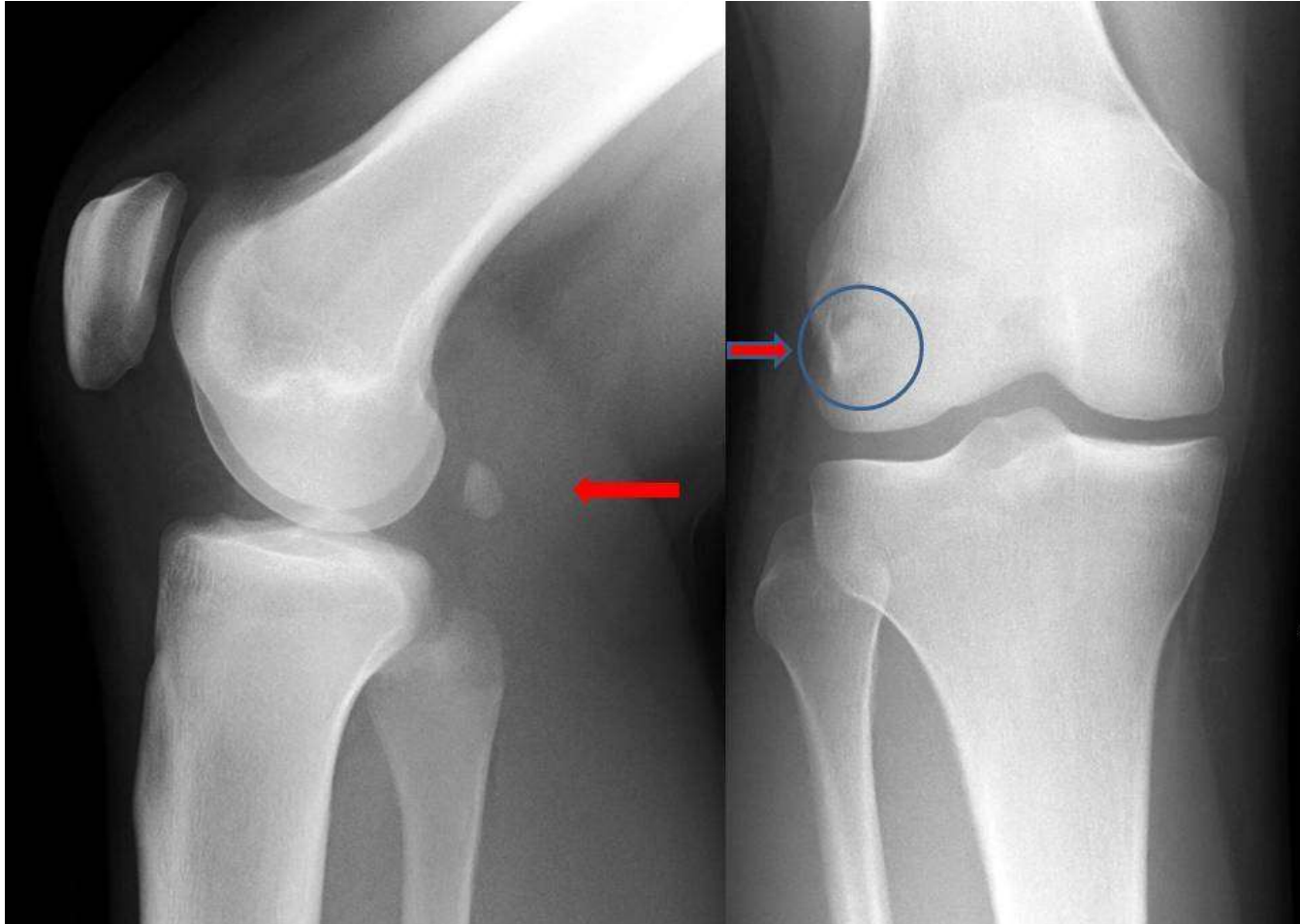
Retinacula



Retinacula



Patella x fabella



knee x patellar dislocation



Avulsion of intercondylar eminence



Anterior lateral collateral ligament x Segonds



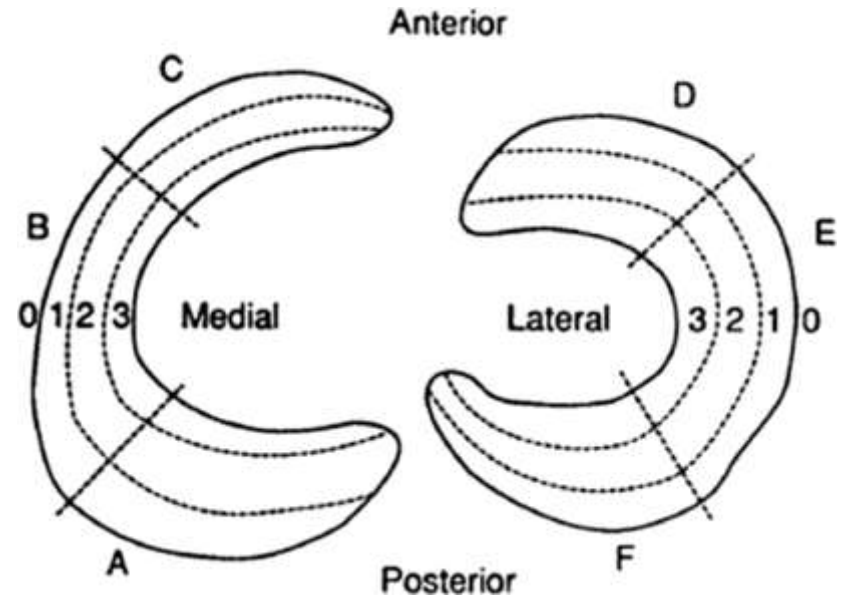
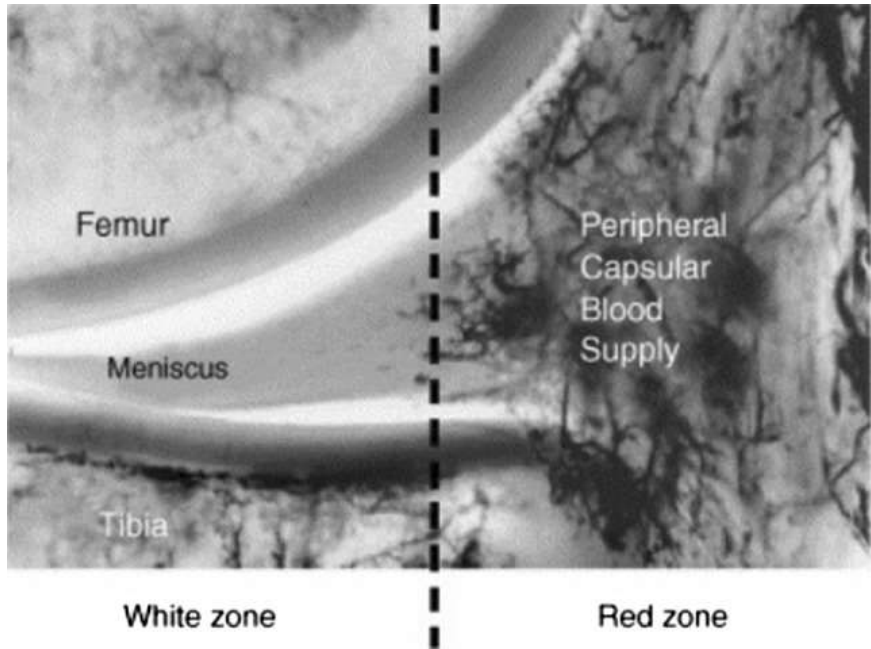
Knee ASC



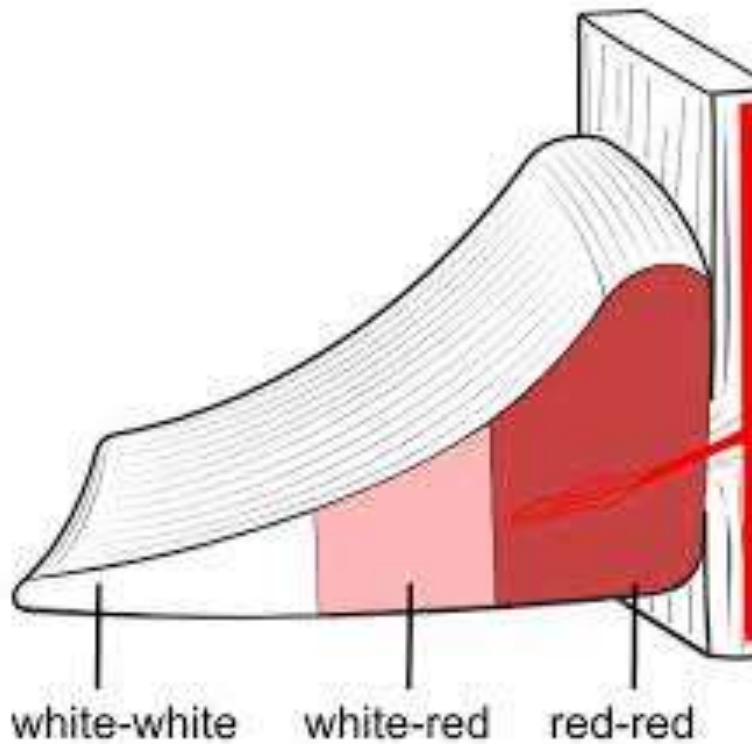
MP Plica



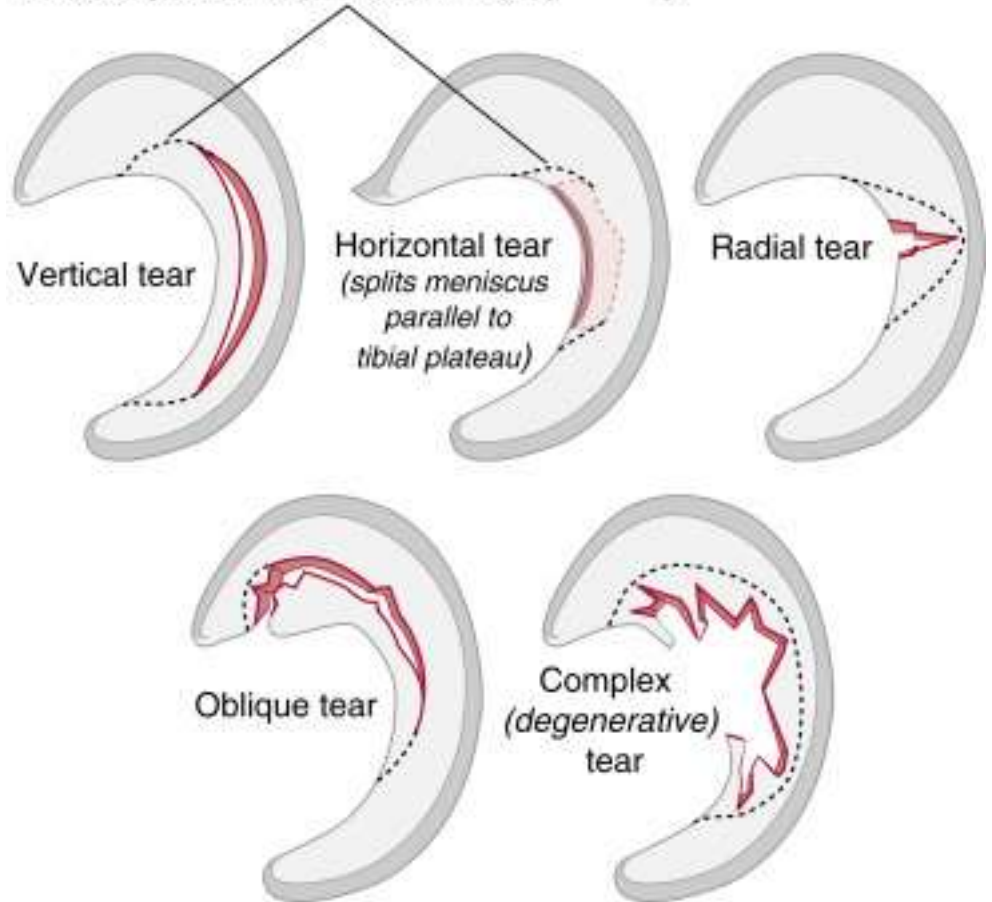
blood supply of meniscus



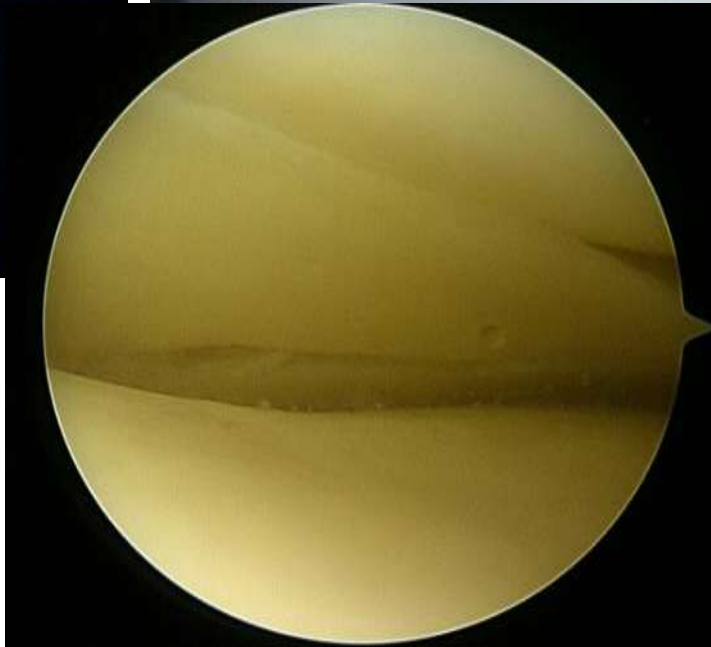
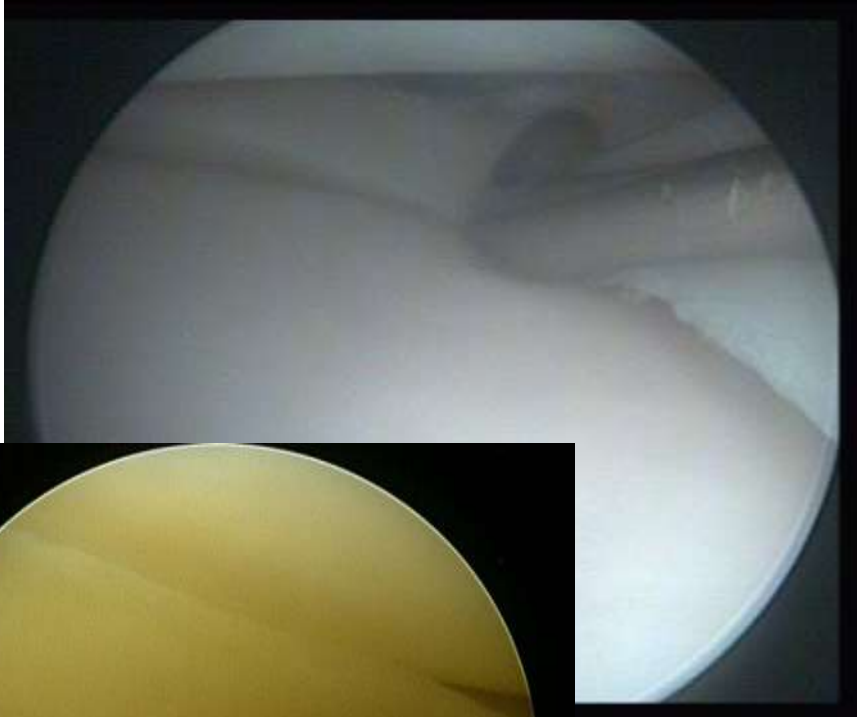
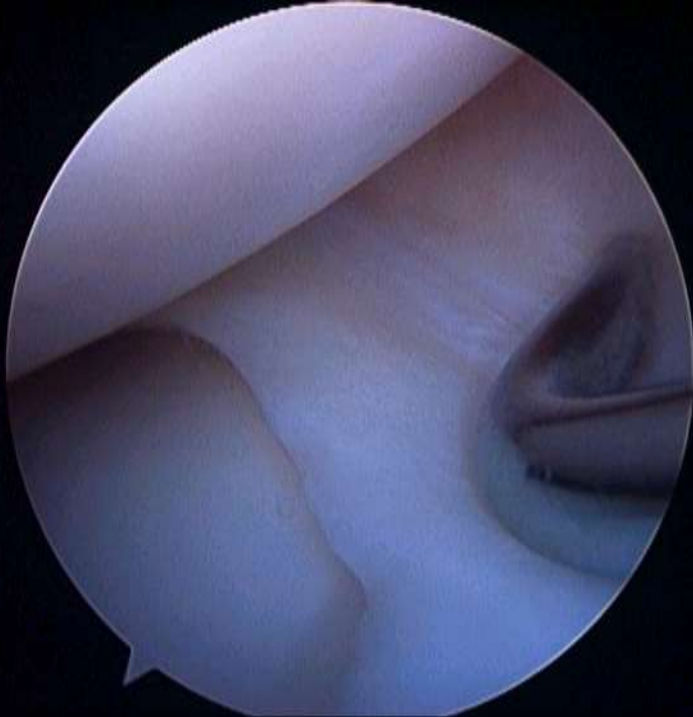
Meniscal tears



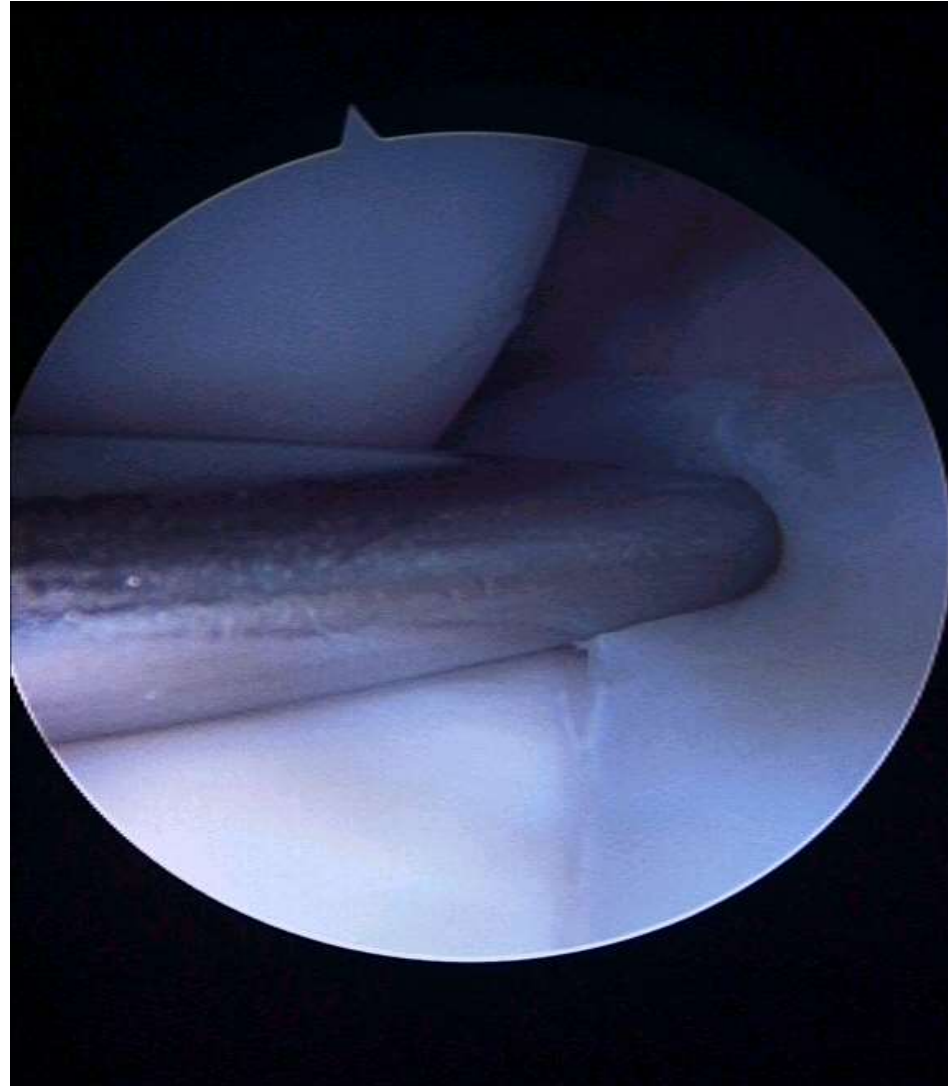
Arthroscopic meniscal incision lines (-----)

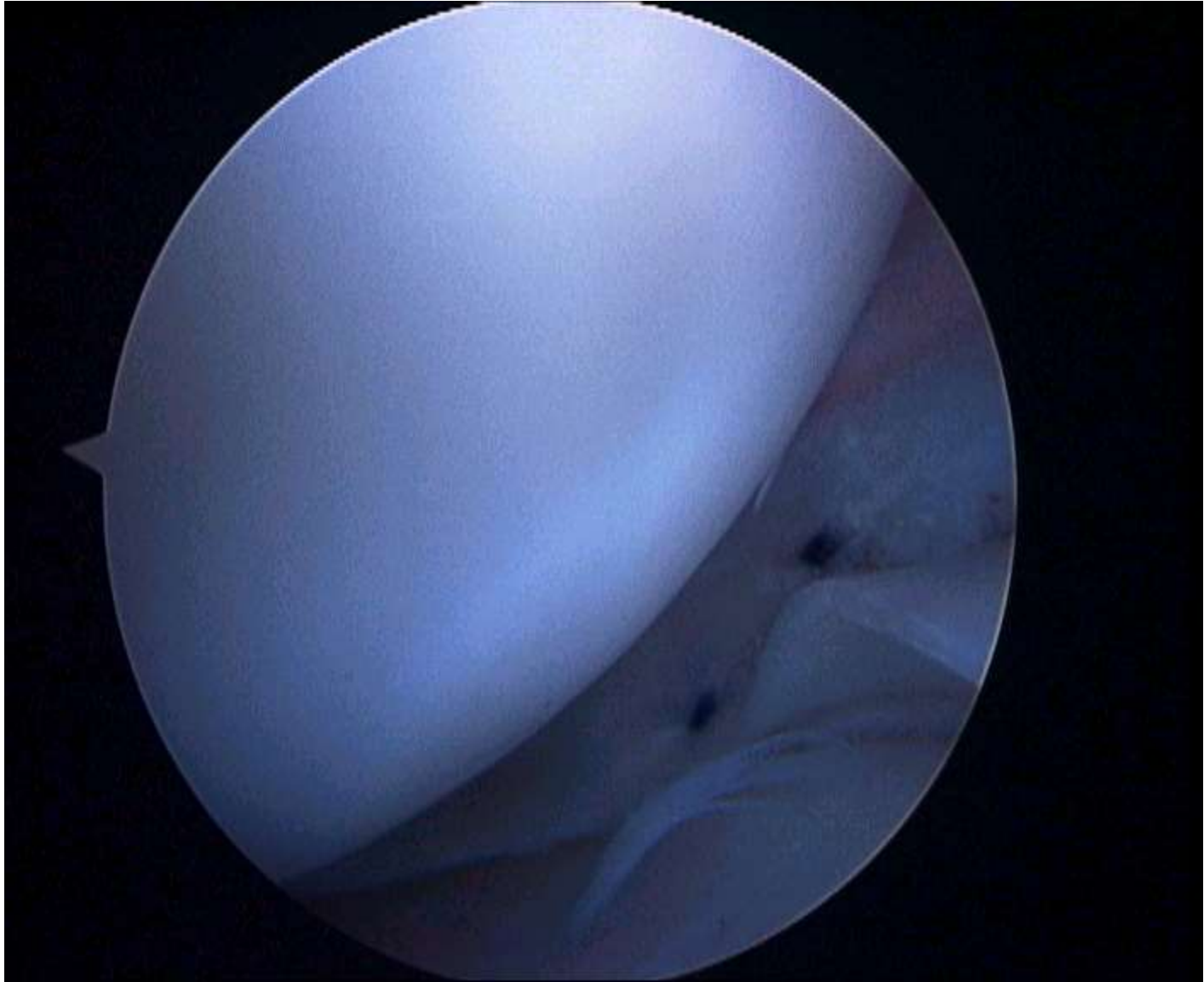


Meniscus lesion

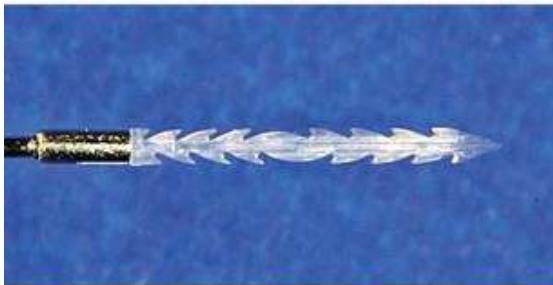


Inside outside





All inside suture



FasT-Fix (Smith & Nephew)

Max Fire (Biomet)

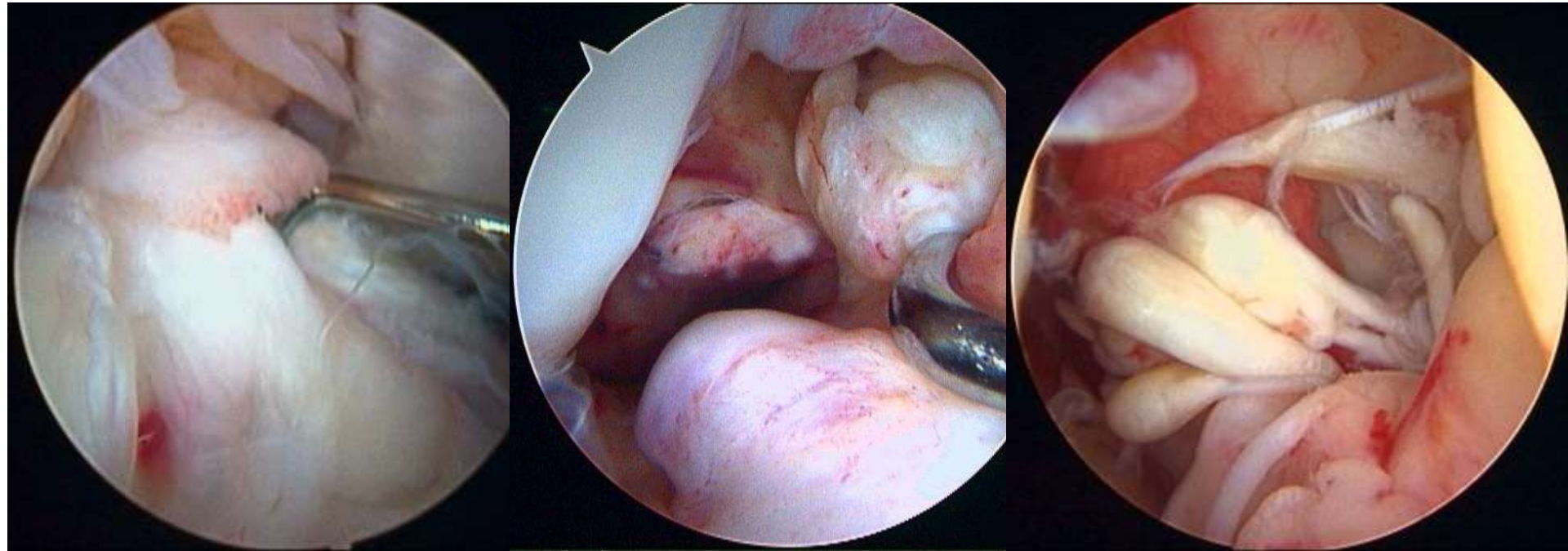
Meniscal Cinch (Arthrex)

Rapid Loc (DePuy Mitek)

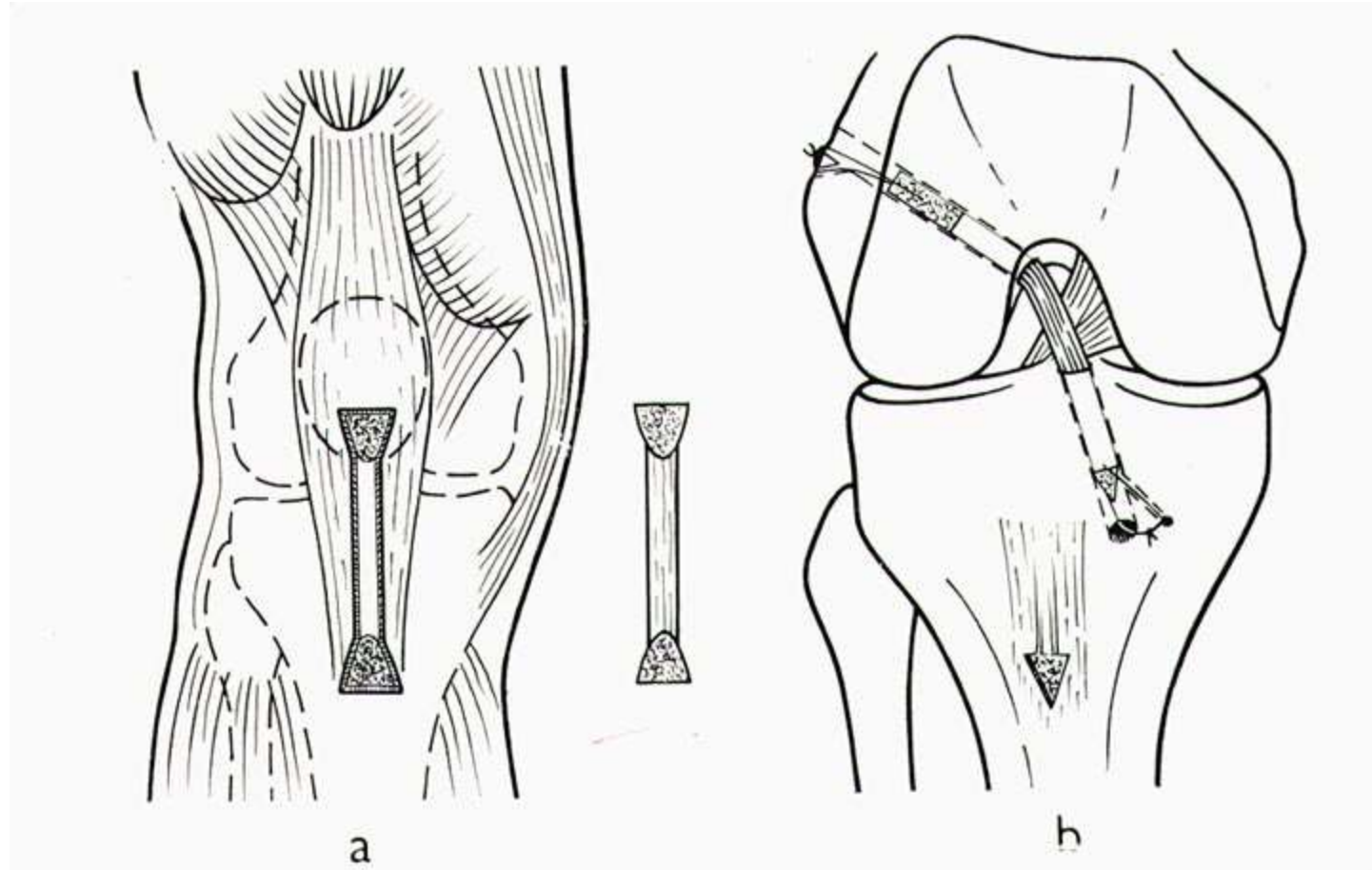
All inside suture



Laesio LCA

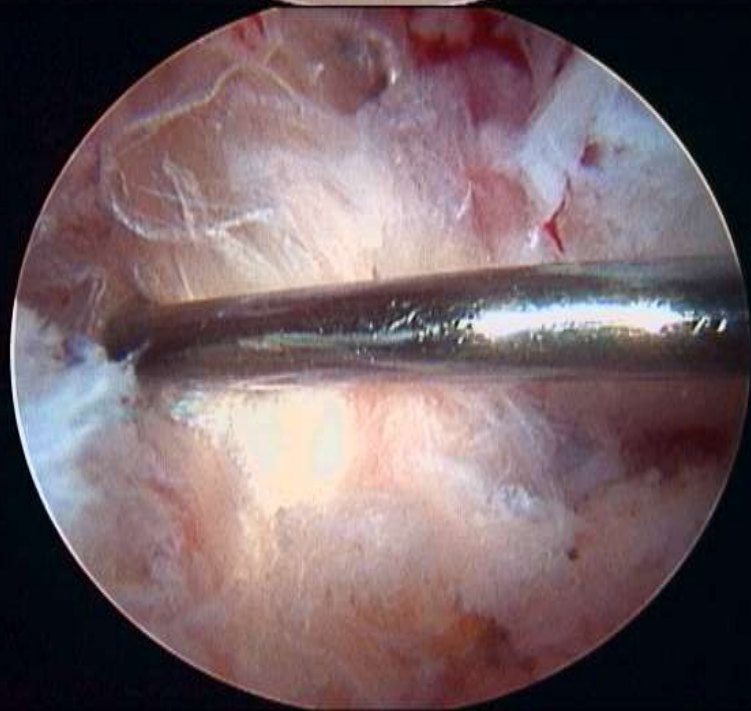
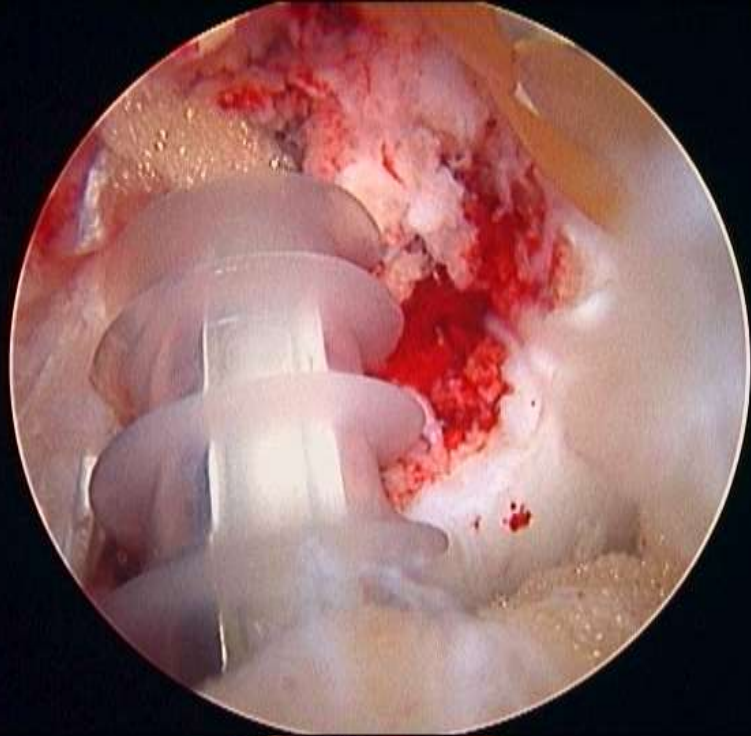


Bruekner 1972

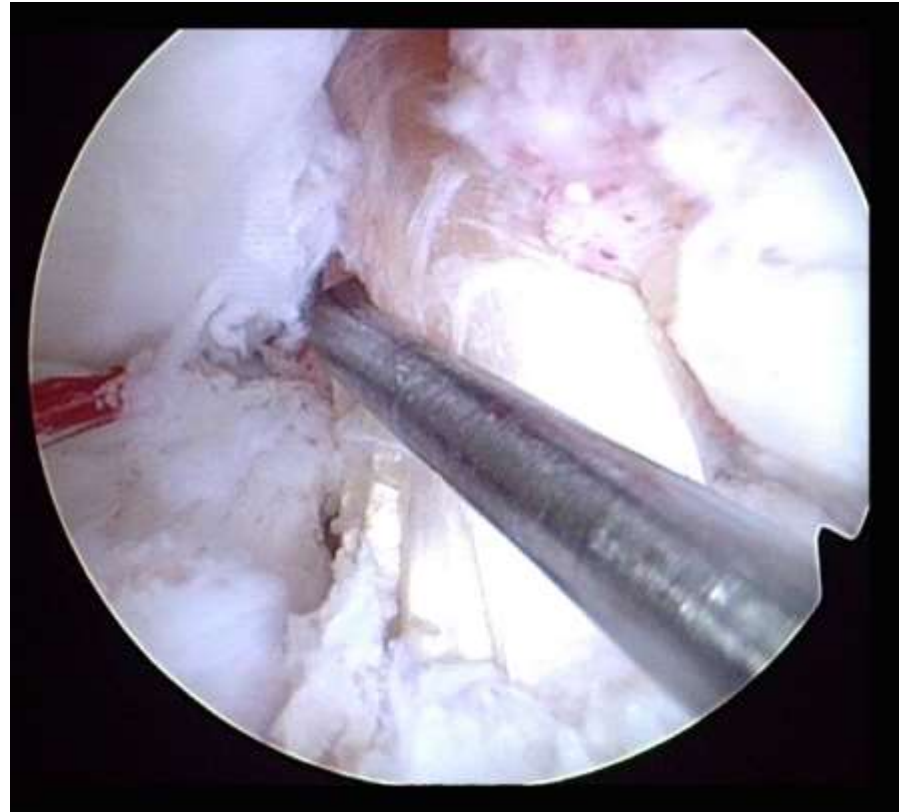
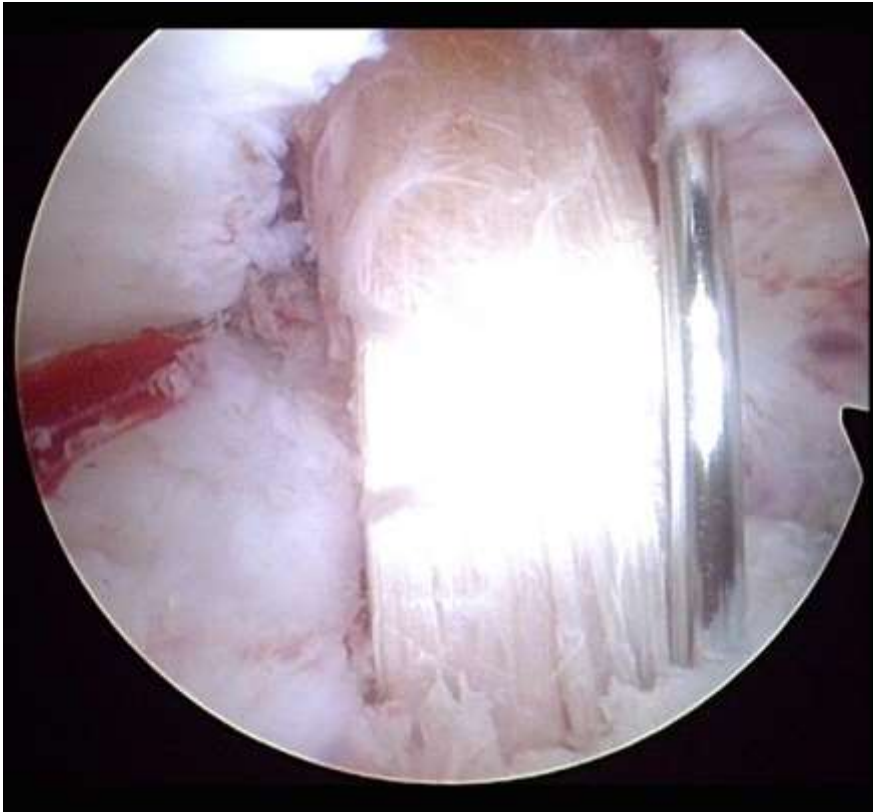


B-T-B LCA replacement





Plastica HS LCA



Chondral defect



Osteochondritis dissecans x M. Ahlbäck

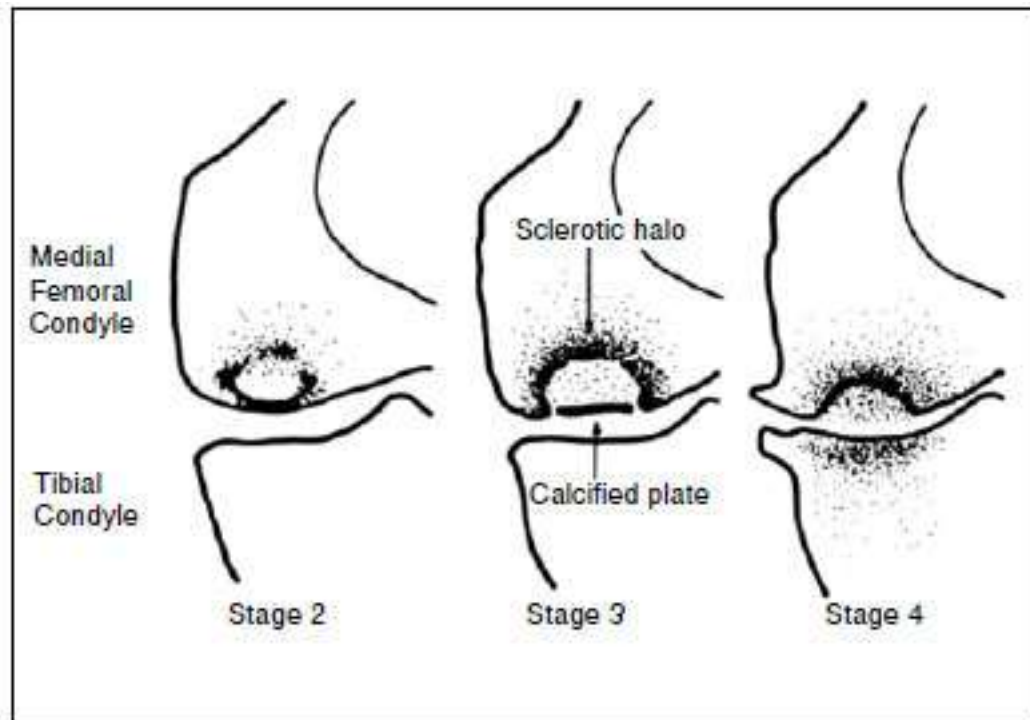
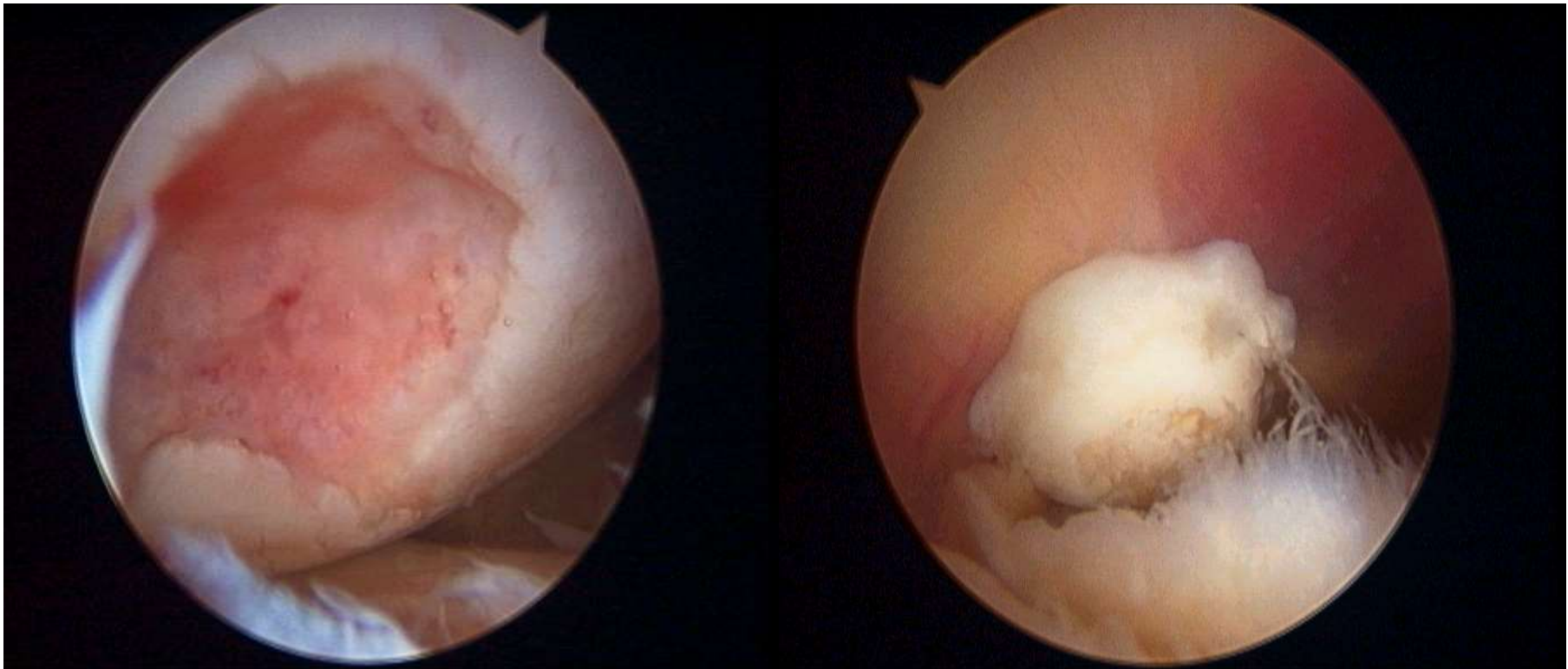


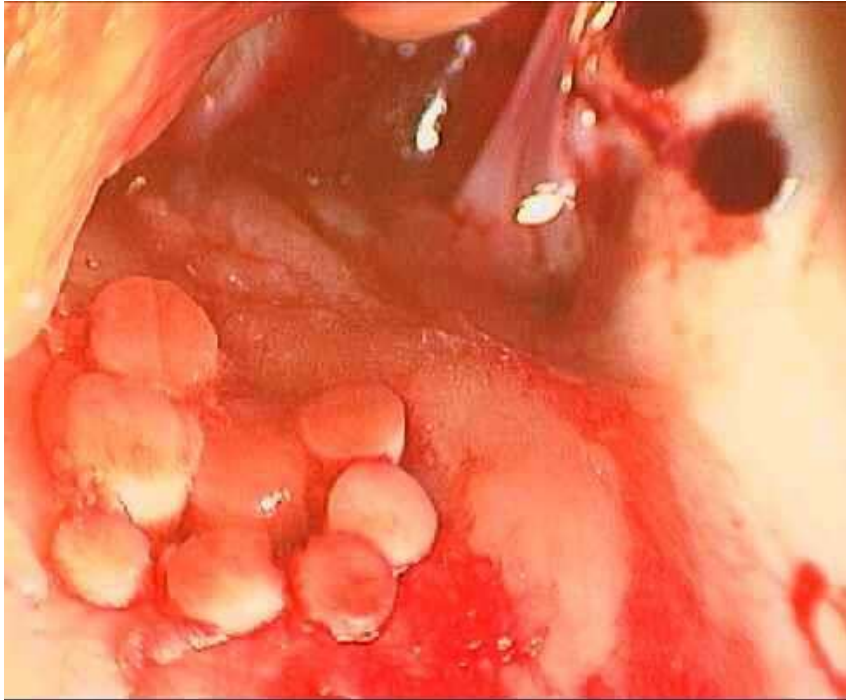
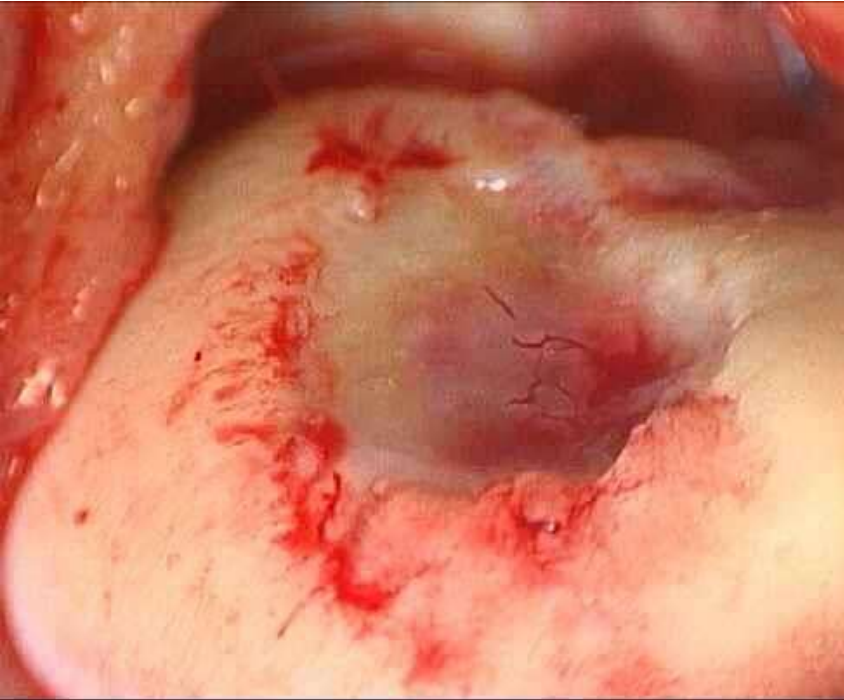
Figure 1 – Koshino classification.

Source: Koshino T. The Treatment of Spontaneous Osteonecrosis of the Knee by High Tibial Osteotomy With and Without Bone-Grafting or Drilling of the Lesion. *J Bone Joint Surg Am.* 1982;64:47-58(8).

Osteochondritis dissecans

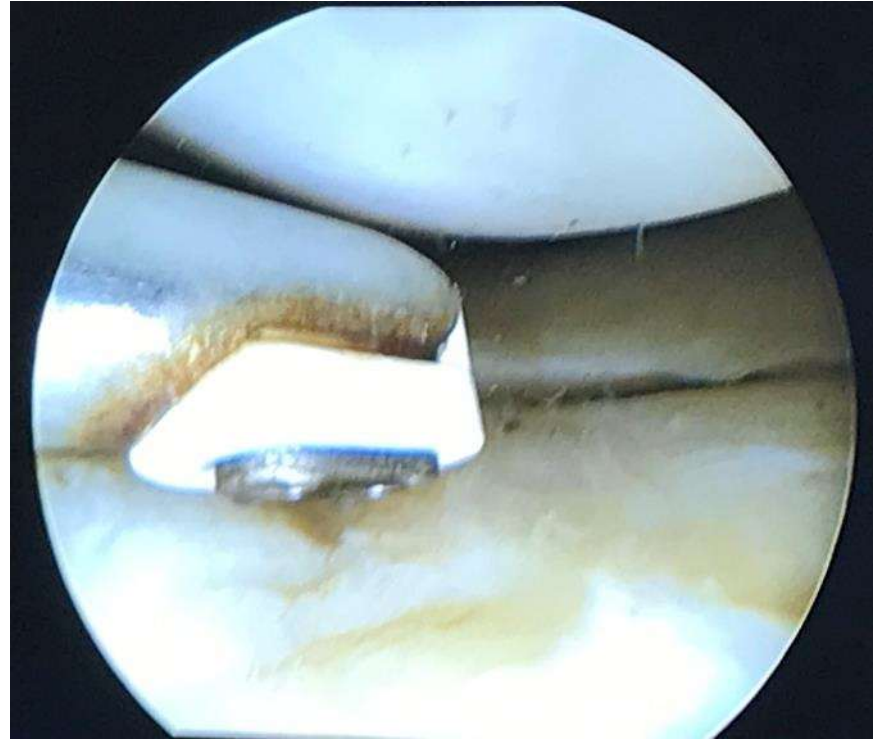


Osteochondritis dissecans, osteochondral

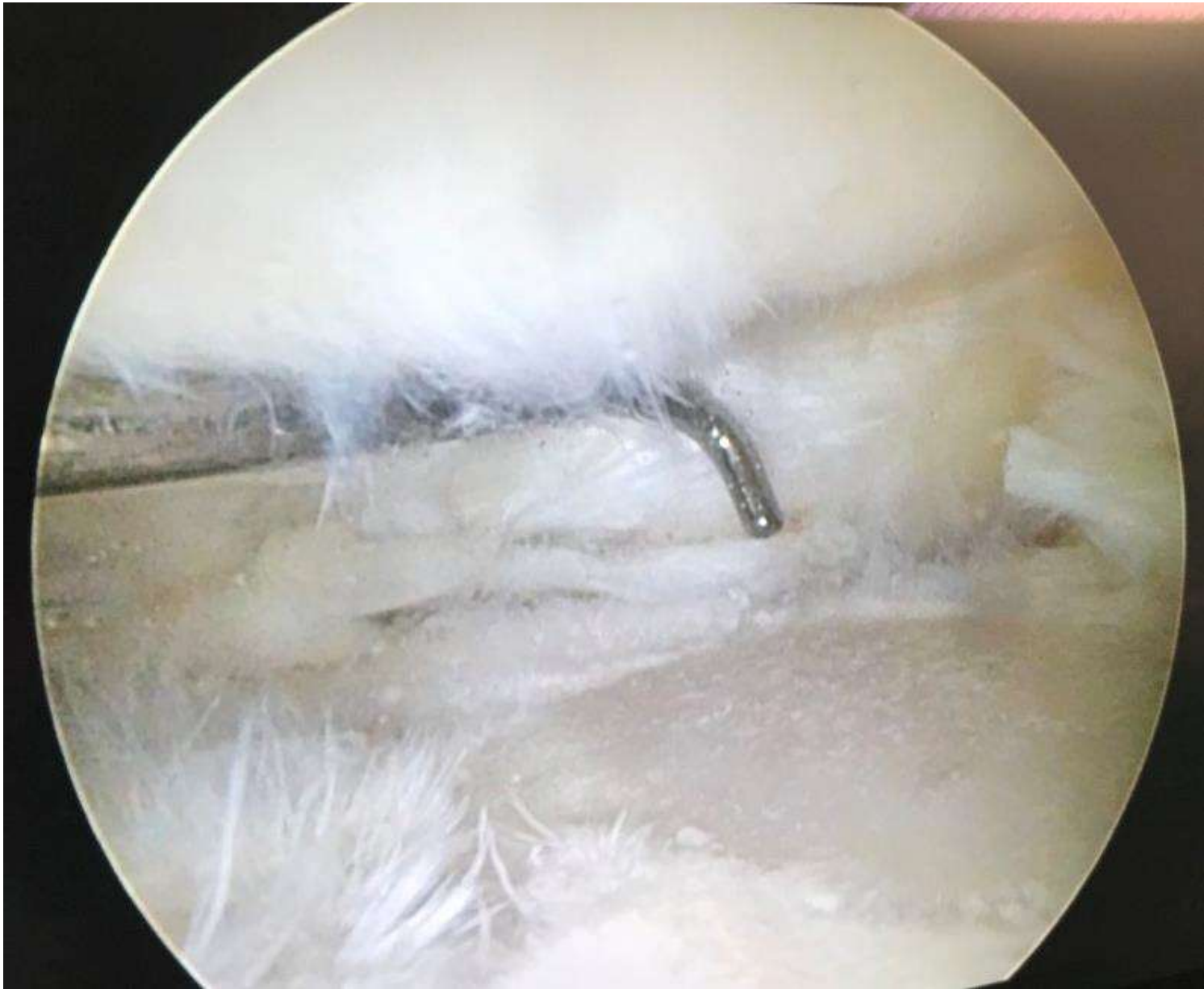


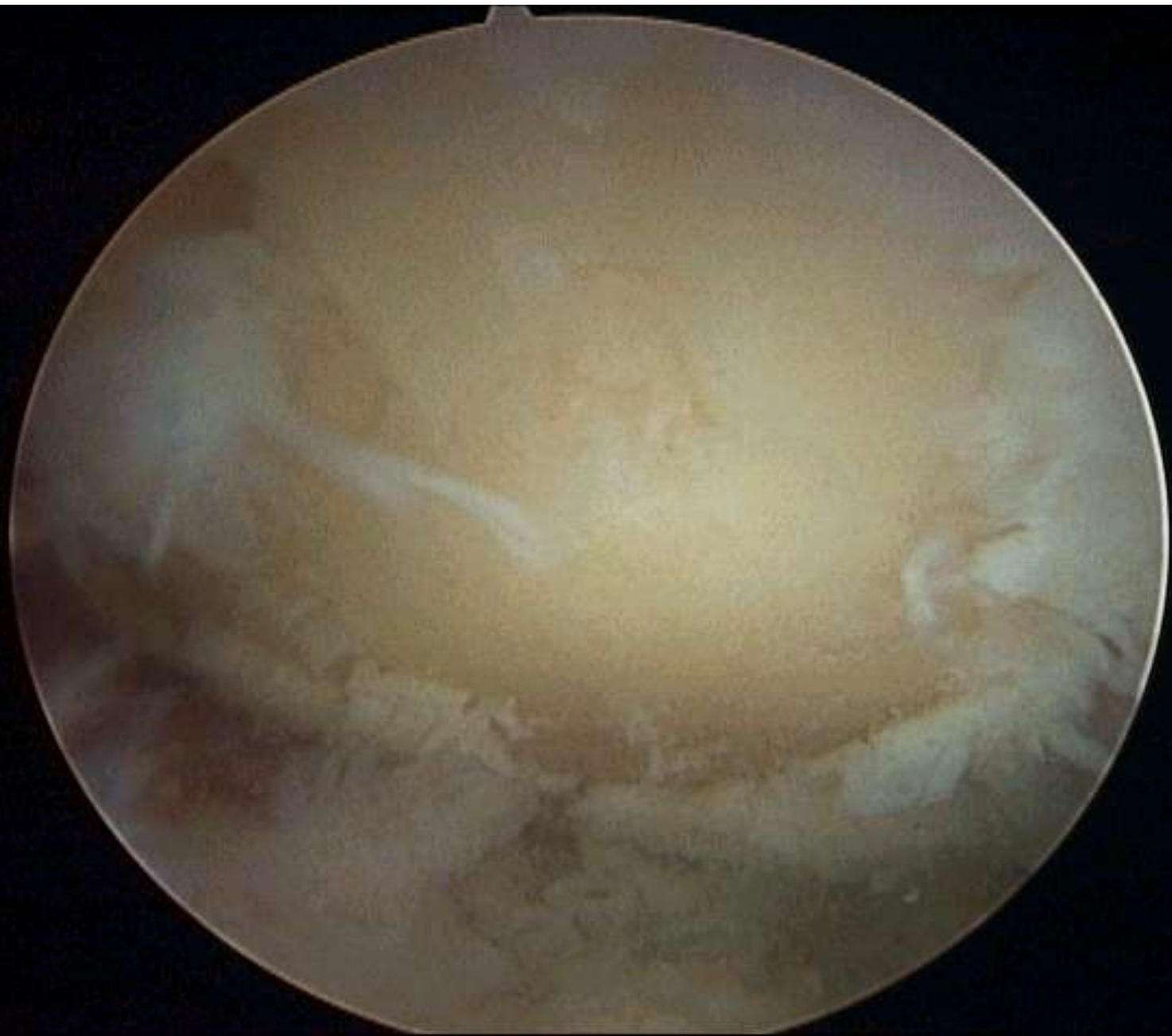
osteoarthritis









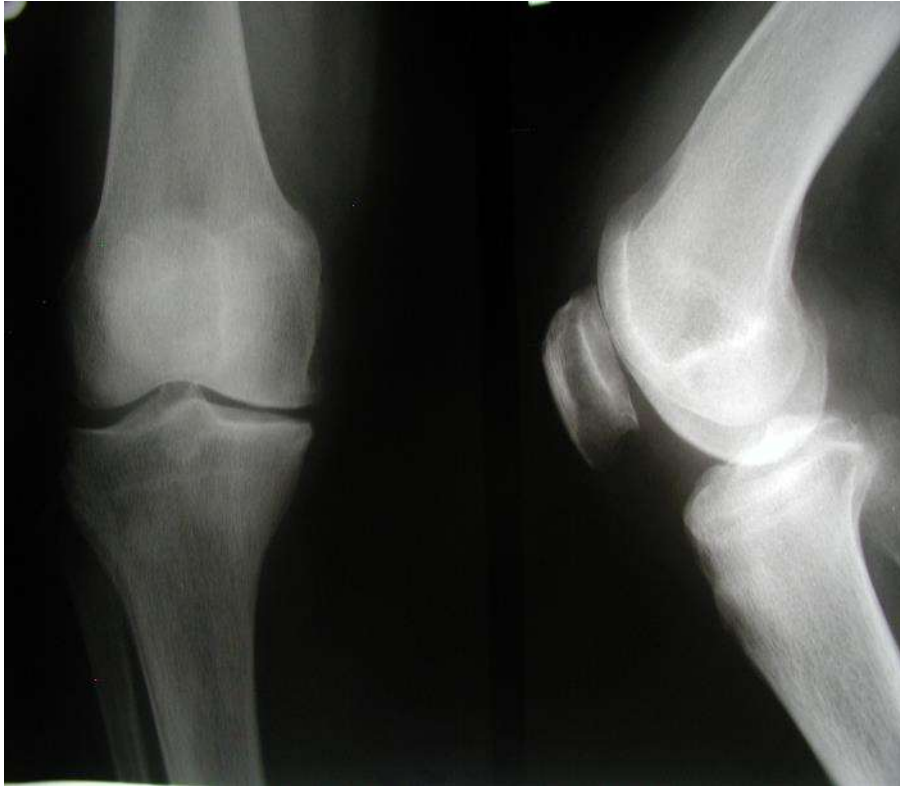


Augmented sutures and cartilage stimulation

- Fibrin
- MSC
- PRP
- FGF-18 (Sprifermin)



Hemiarthroplasty Oxford Phase 3





Conclusion

- » anatomy,
- » arthroscopic anatomy
- » diagnosis
- » understanding
- » treatment management
- » longterm results

Thank You for Your attention

