

- 62 active male
- St.p. 2 scopes
 partial ME 6 years
- Progressive pain daily pain killers
- Conservative failed
- High demanding & sporting active
- Works as lawyer





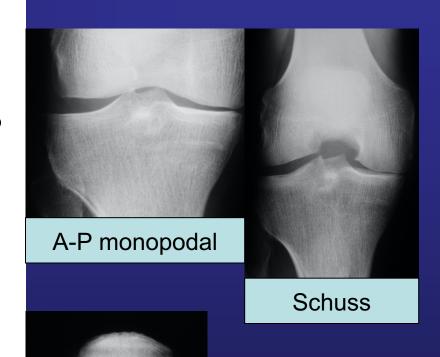
2 standard radiographs

Clinical Exam

- Varus alignment
- Pain at the joint line
- No inflammatory history
- ROM almost normal
- Normal ligament testing
- Reducibility of deformity
- Over 65 years old
- No obesity



- Monocompartmental?
- Partial or completeFemoro-tibial narrowing ?
- Uninvolved contralateral and patello-femoral compartment?



Axial view

Good reducibility ?

- Complete but...
- No overcorrection



Stress X-Rays



• No Laxity in the

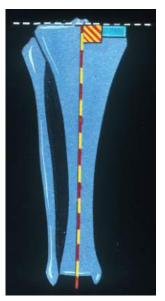


- A-P plane



Lateral monopodal X-Rays

Extra-articular deformity< 5 degrees ?





Patient selection guidelines

Anatomical conditions

- Stage of Osteoarthritis
- Deformity analysis and its reducibility
- Ligamentous status
- Range of motion



1. Stage of OA

- Osteonecrosis
- Osteoarthritis (IKDC)

Grade A or B

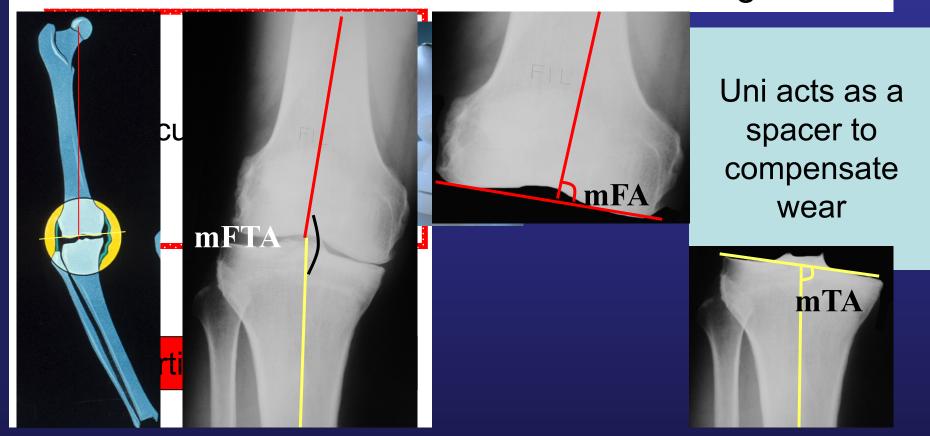
Grade C or D

Severe OA with cupula



2.Deformity Analysis and its reducibility

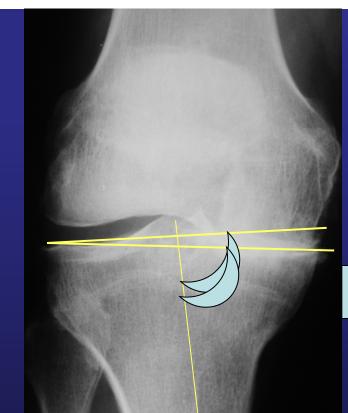
• HKA film: mechanical Femoro-Tibial Angle



2. Deformity Analysis and its reducibility

• HKA film mechanical *Tibial* Angle

measurement

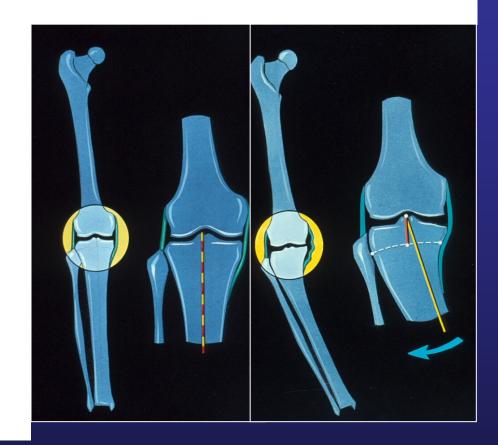


mTA

2.Deformity Analysis and its reducibility

Stress HKA film:

Reducibility



3. Ligamentous status

Integrity of the ACL
Deschamps G. RCO, 1987 (87): 544
Goodfellow J. JBJS [Br], 1988 (70): 333

- Anterior tibial translation >10 mm
- Posterior cupula
- Hooked spines



4. Range of Motion

No fixed flexion deformity
 No release post capsule
 Do not increase post slope

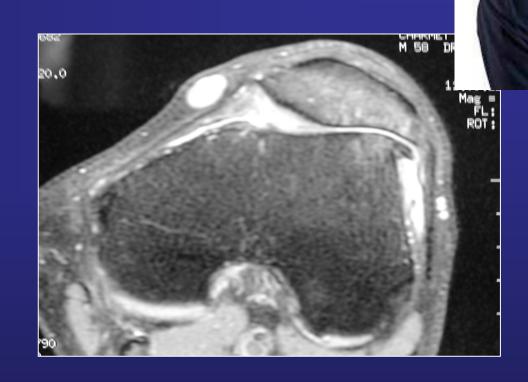


Knee flexion
 allows ROM preservation
 the best "high flexed knee".



Do we need an MRI?

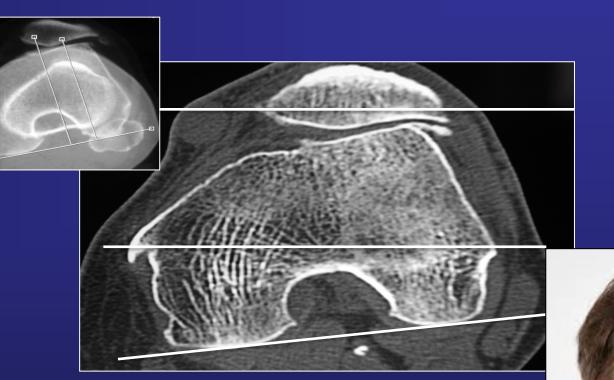
- Other compartment?
- ACL
- Meniscus
- Oedema?



Do we need a CT Scan / Arthro CT Scan?

TT TG (but PF OA)

Preop planning (rotation / PFA / TKA). Robot +++



Arthroscopy?





Take Home Message

Clinical exam +++

 Xrays are sufficient most of the time (stress Xrays and LL films)

MRI or Arthro CT Scan : occasionally