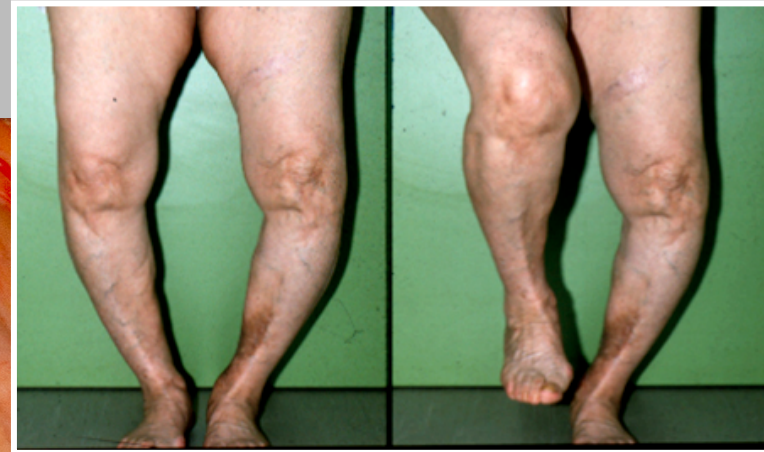
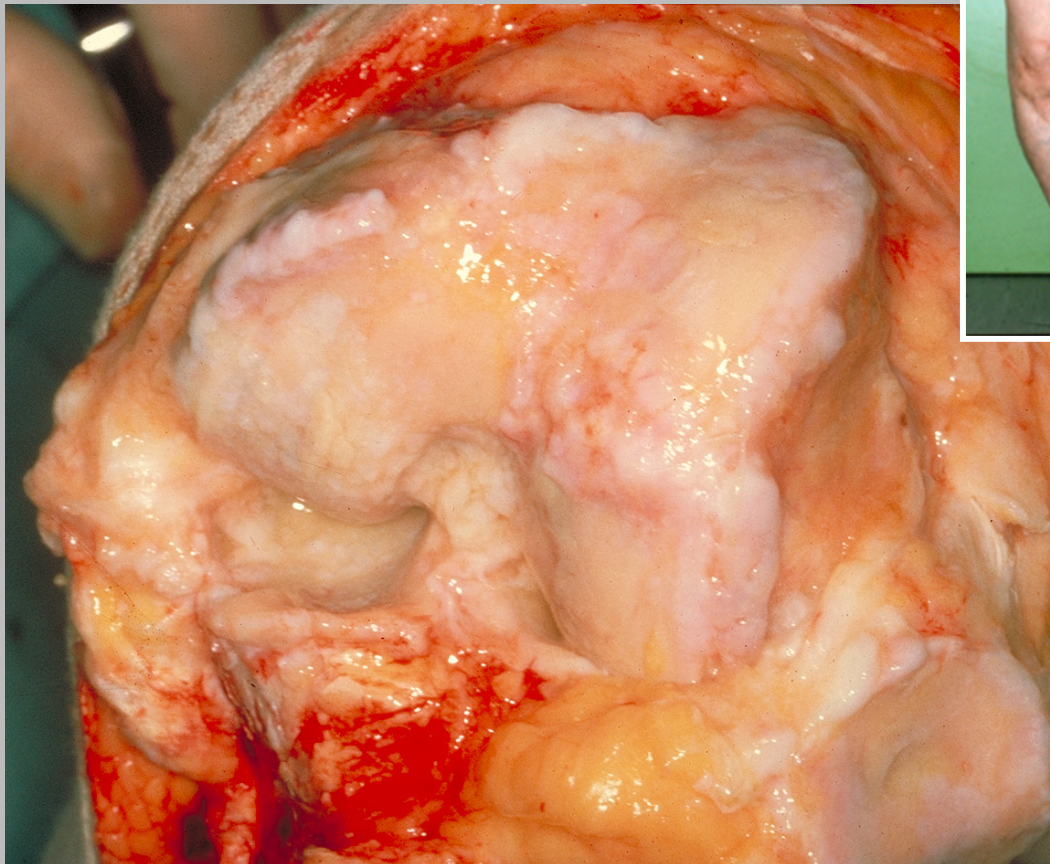


TKA technical aspects



P.-Y. Zambelli

18.12.2015

Knee arthritis Patient Complains

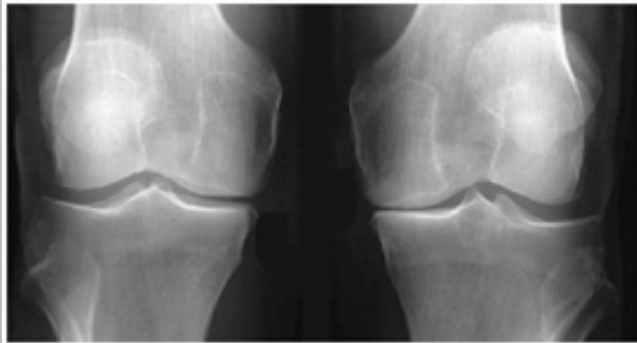
- Pain topography
- Stairs difficulties
- Morning or end of the day pains
- Muscular insertions

Knee arthritis Signs

- Articular Cracks
- Swollen
- Dim. ROM
- Deformity



X-ray



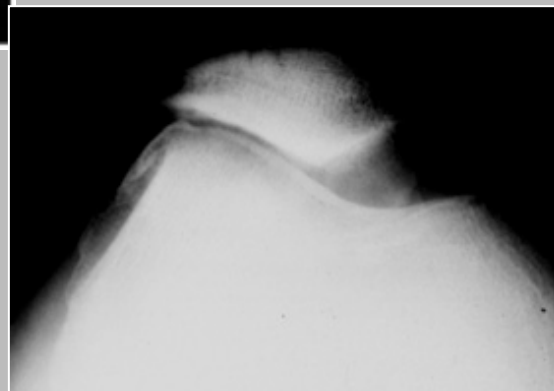
Frontal



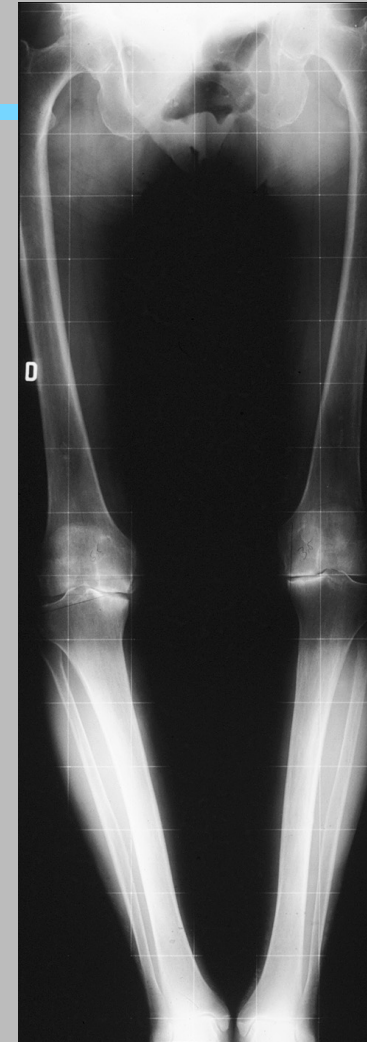
Schuss



Lateral



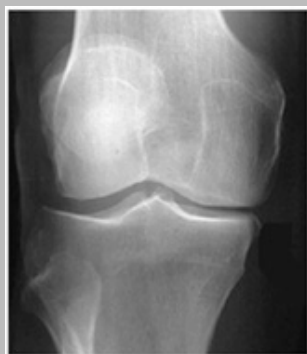
Patella



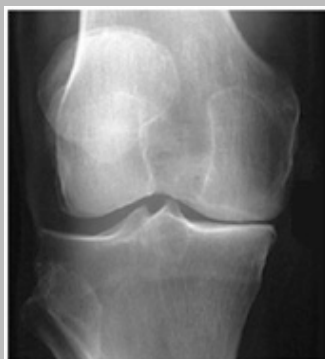
Full legs

Natural Evolution

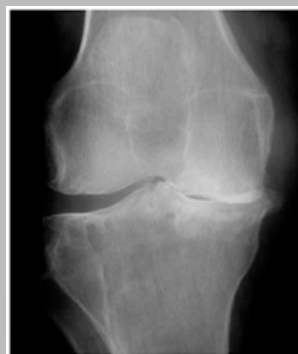
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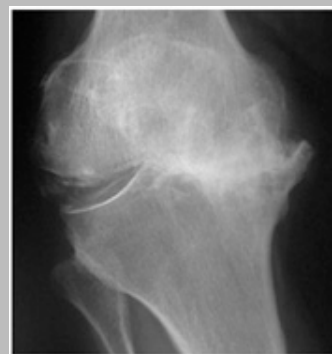
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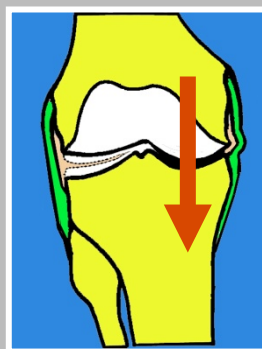
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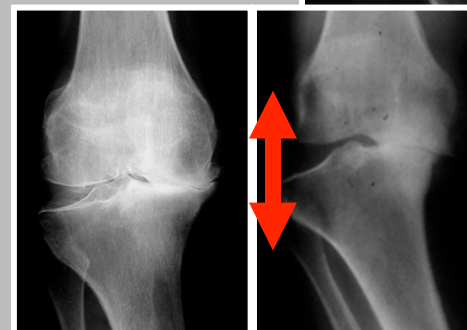
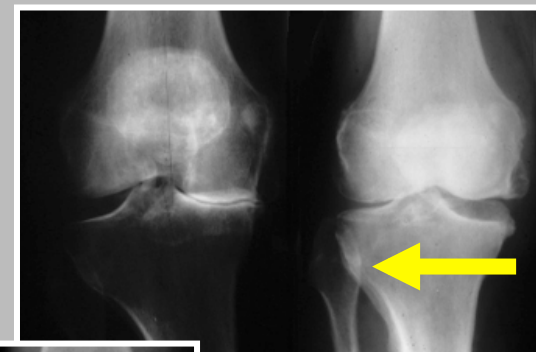
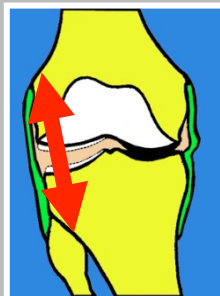
4



«destructive laxity »
« pseudo-laxity »



Distention laxity



TKA indications



Old patient more than 70
Low fonctionnal requirement



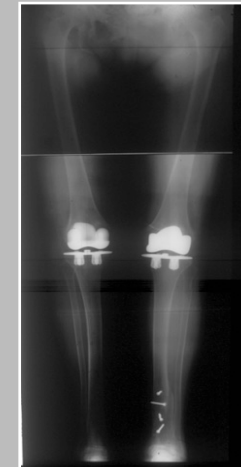
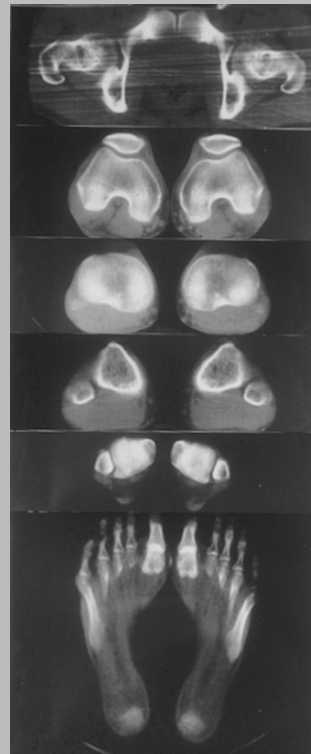
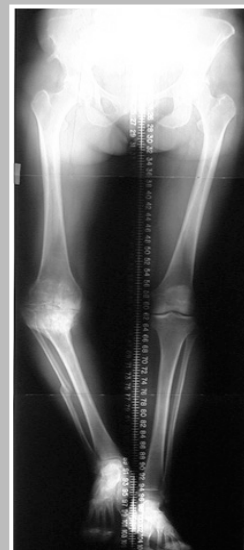
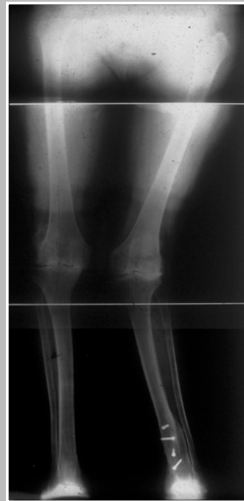
Outcomes function of:

1) Patient selection (indication)

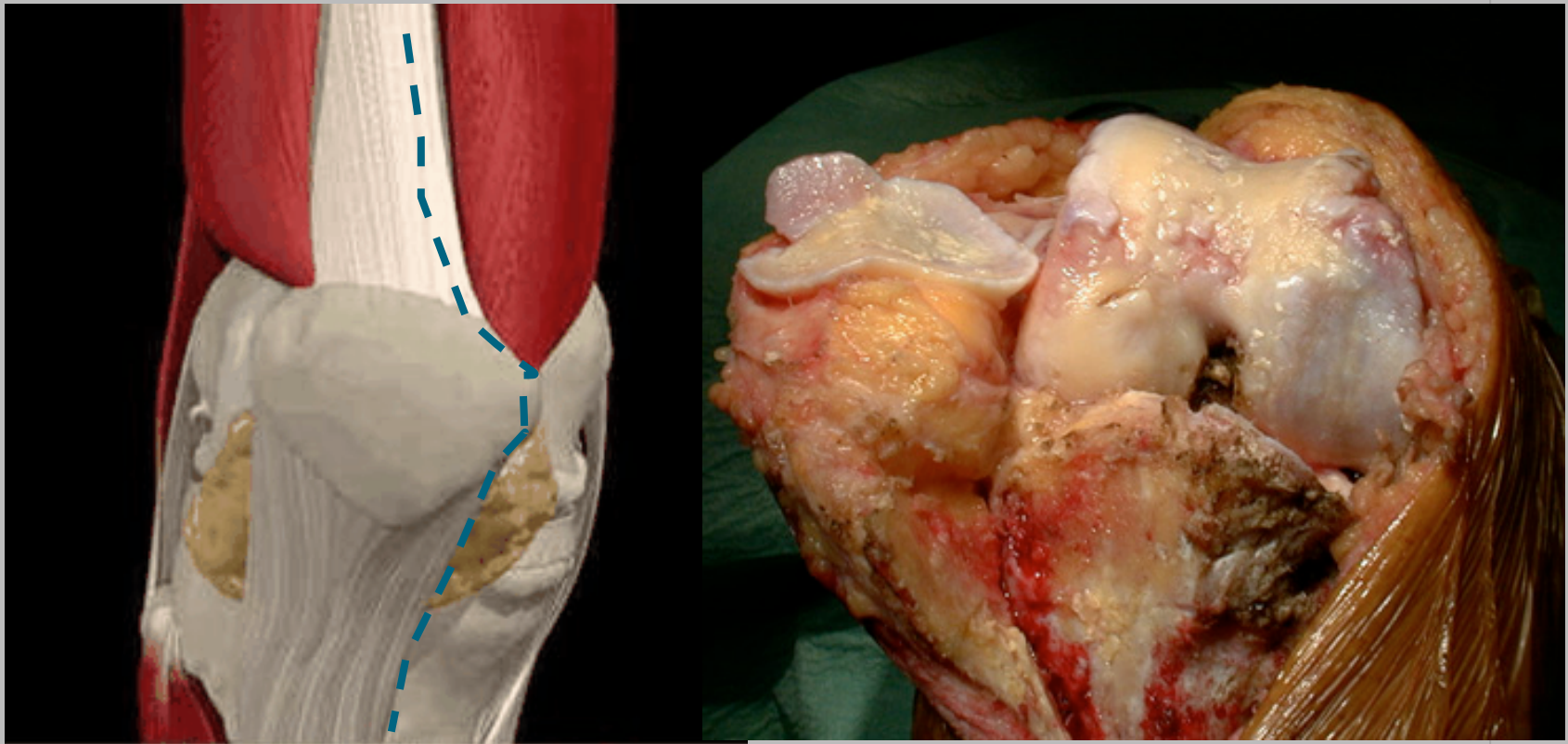
2) Surgical technique

3) Implants

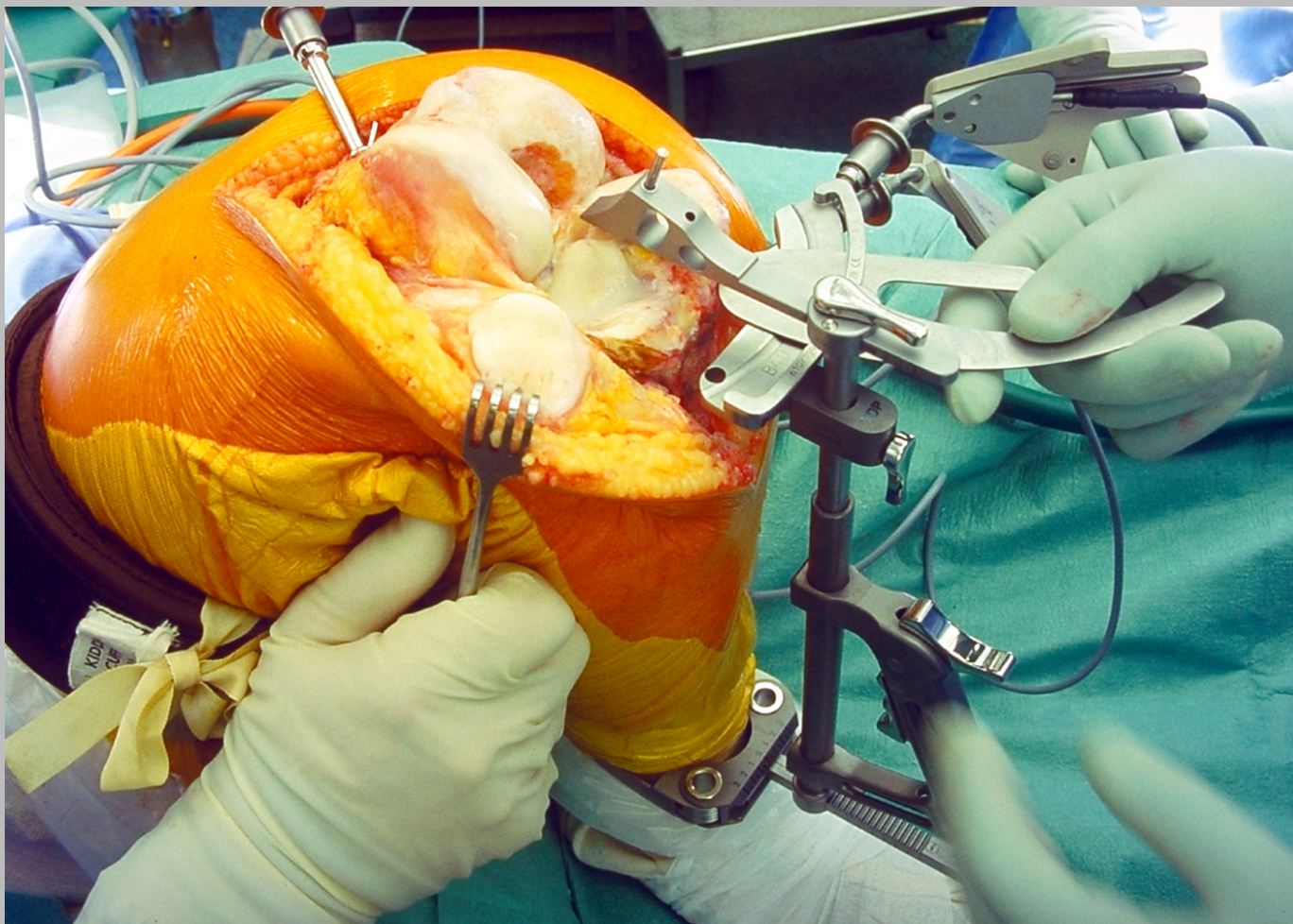
- Objective 1: **Axis normalisation**
- Objective 2: **Implants position**
- Objective 3: **ligaments equilibrium**



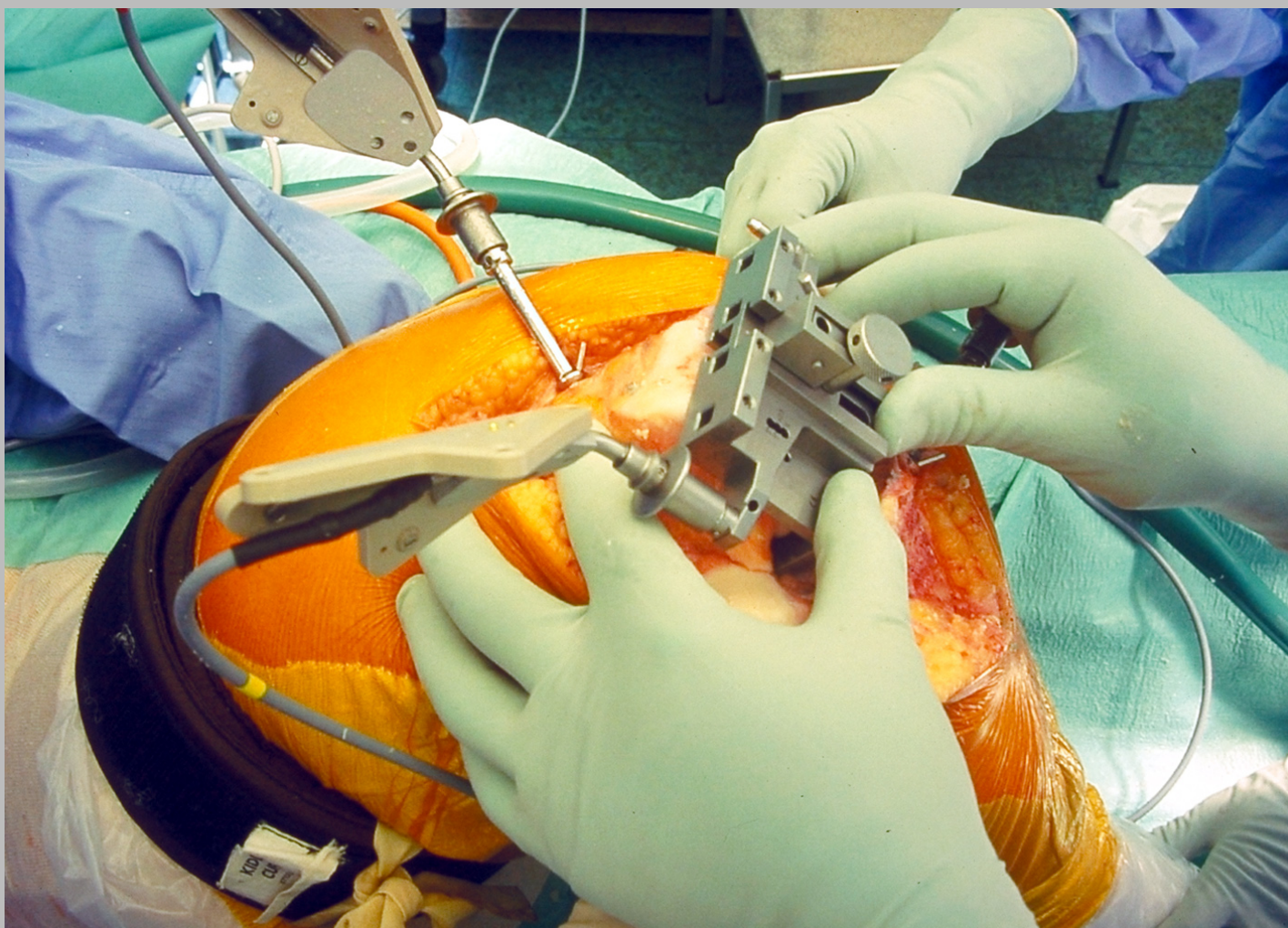
Surgical approach



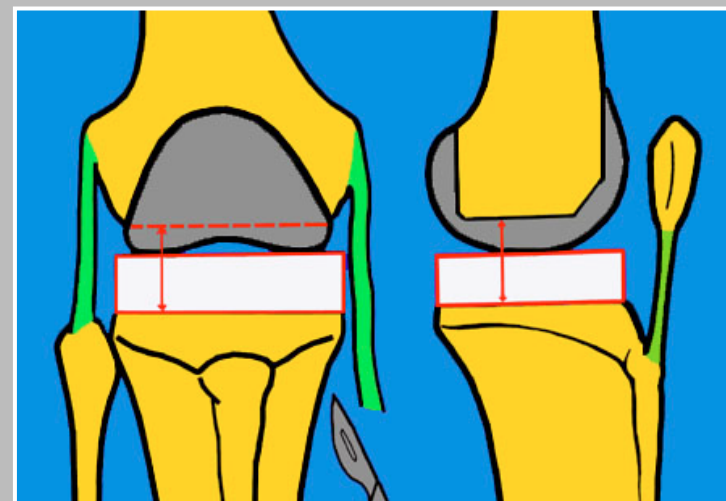
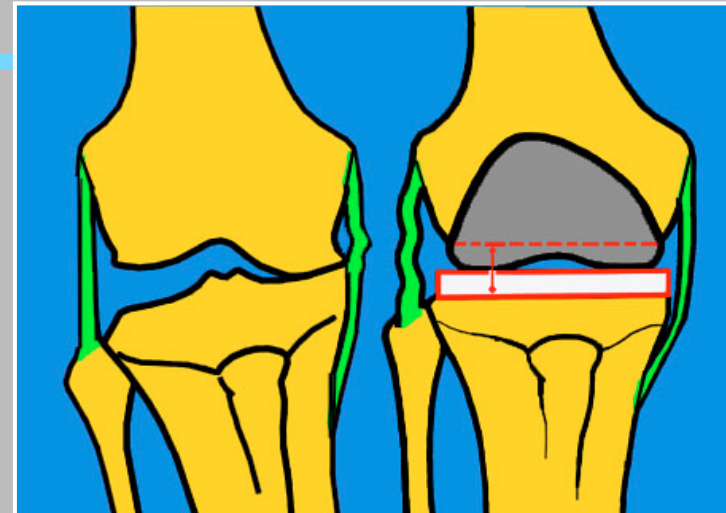
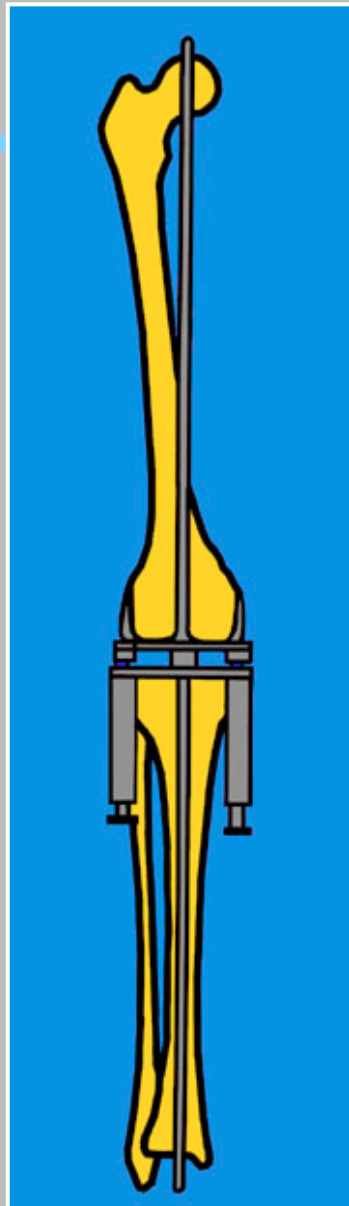
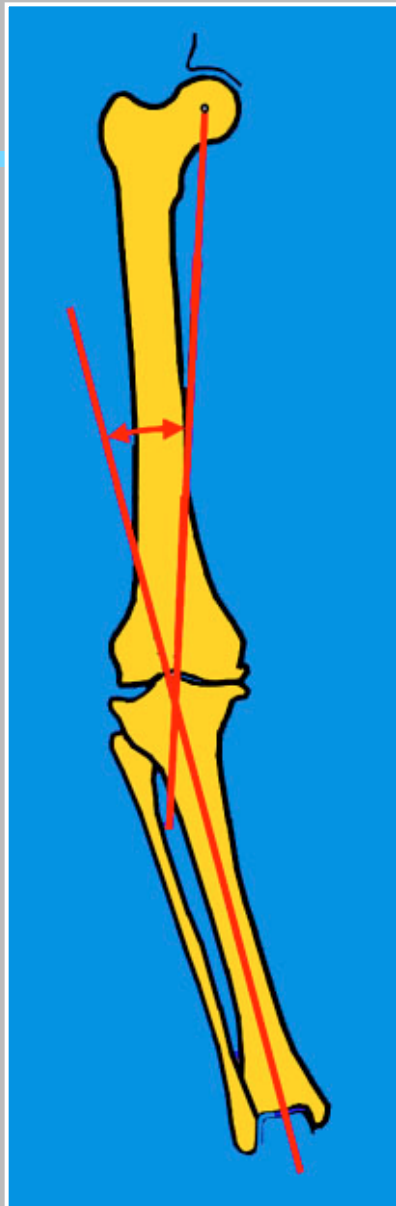
Accuracy 1- 2 mm. TIBIA



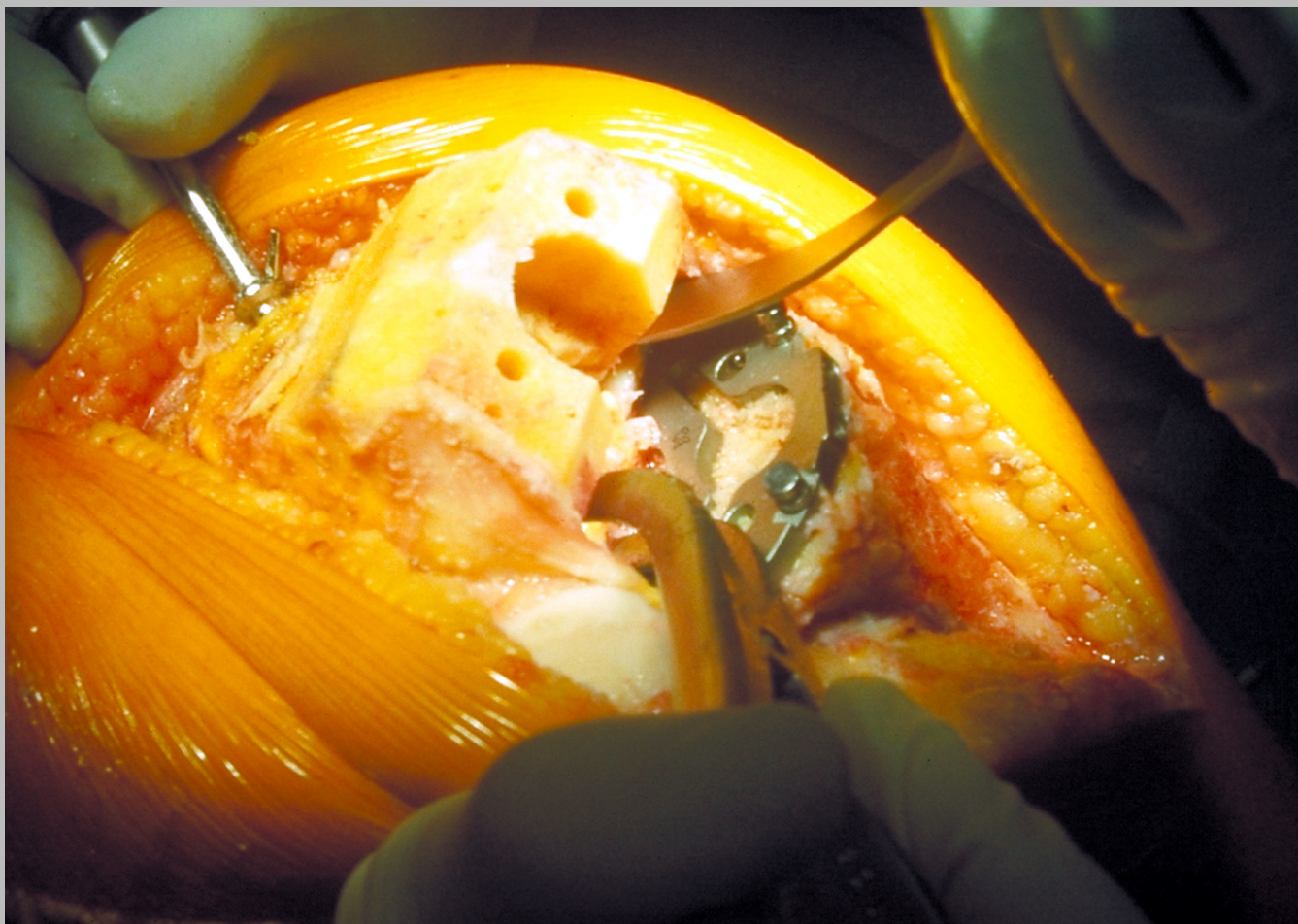
Accuracy 1- 2 mm. FEMUR



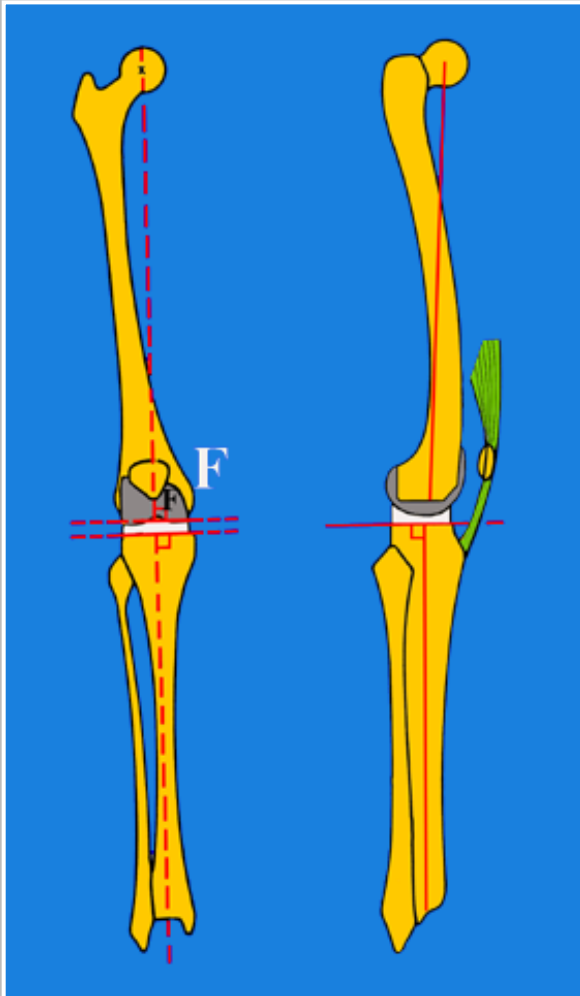
Ligaments equilibrium



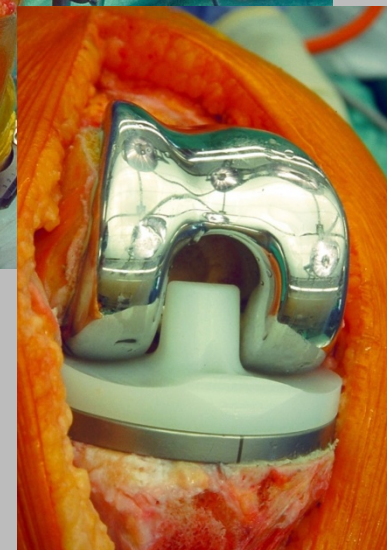
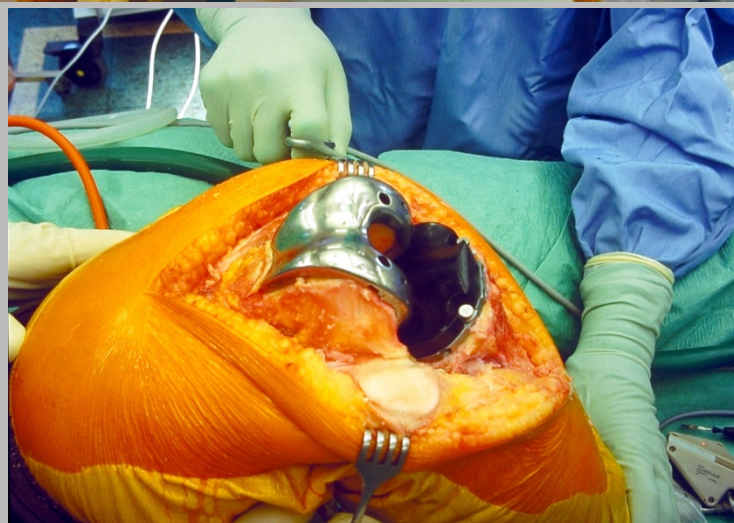
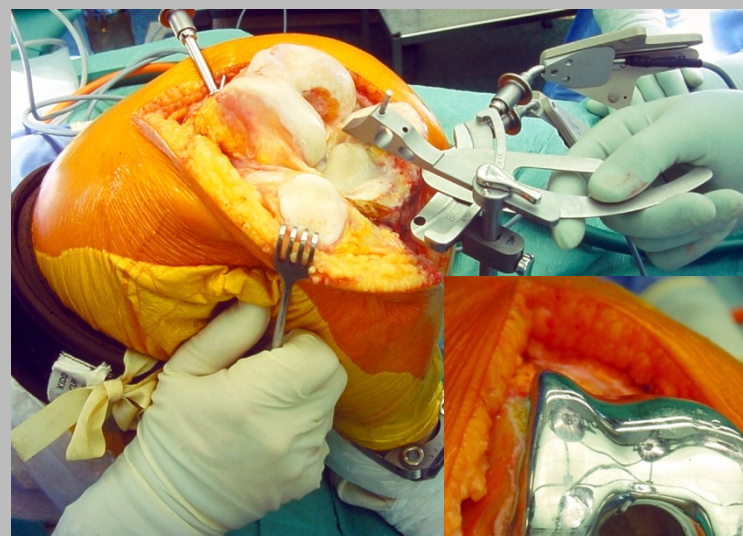
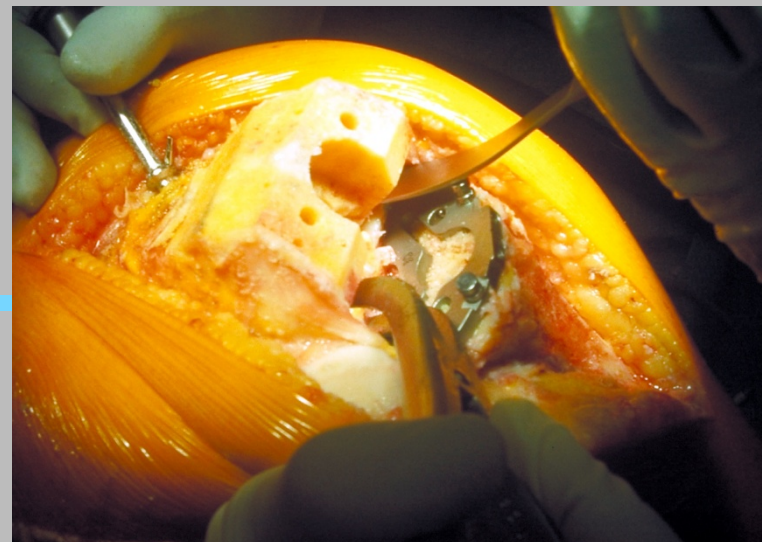
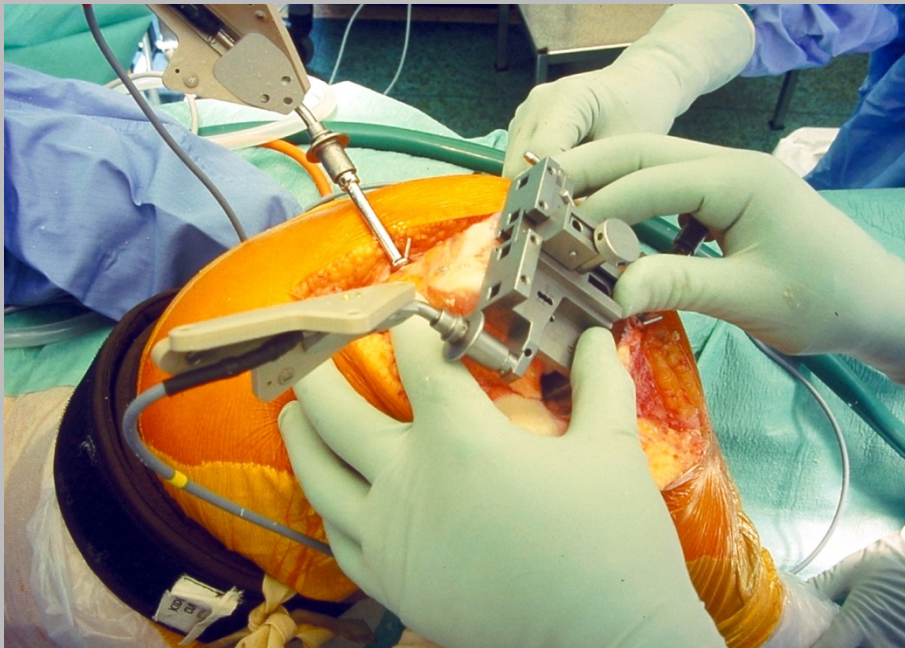
Ligaments liberation



The Ideal



Time... 60'



Ideal ROM

- Stand-up require Full extension
- City Walking : 60 °
- Stair Climbing 85 °
- Chair 90°
- Bicycle : 110°