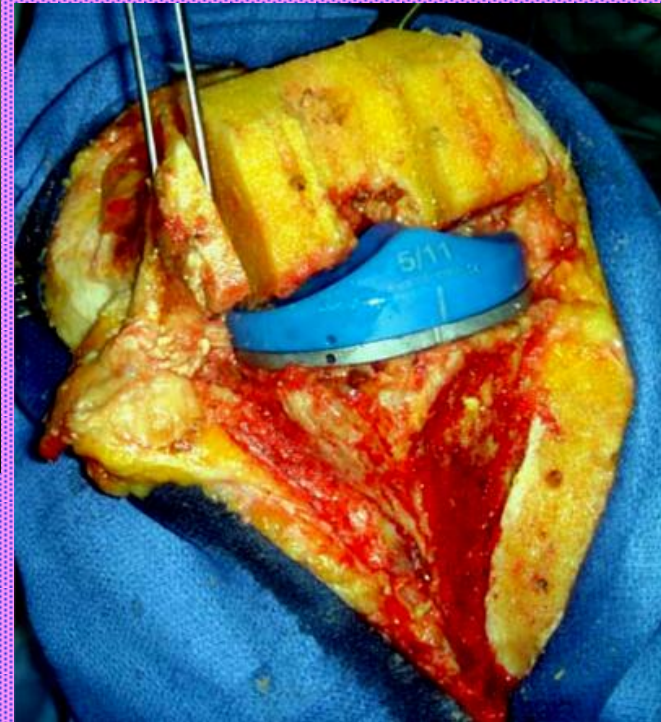


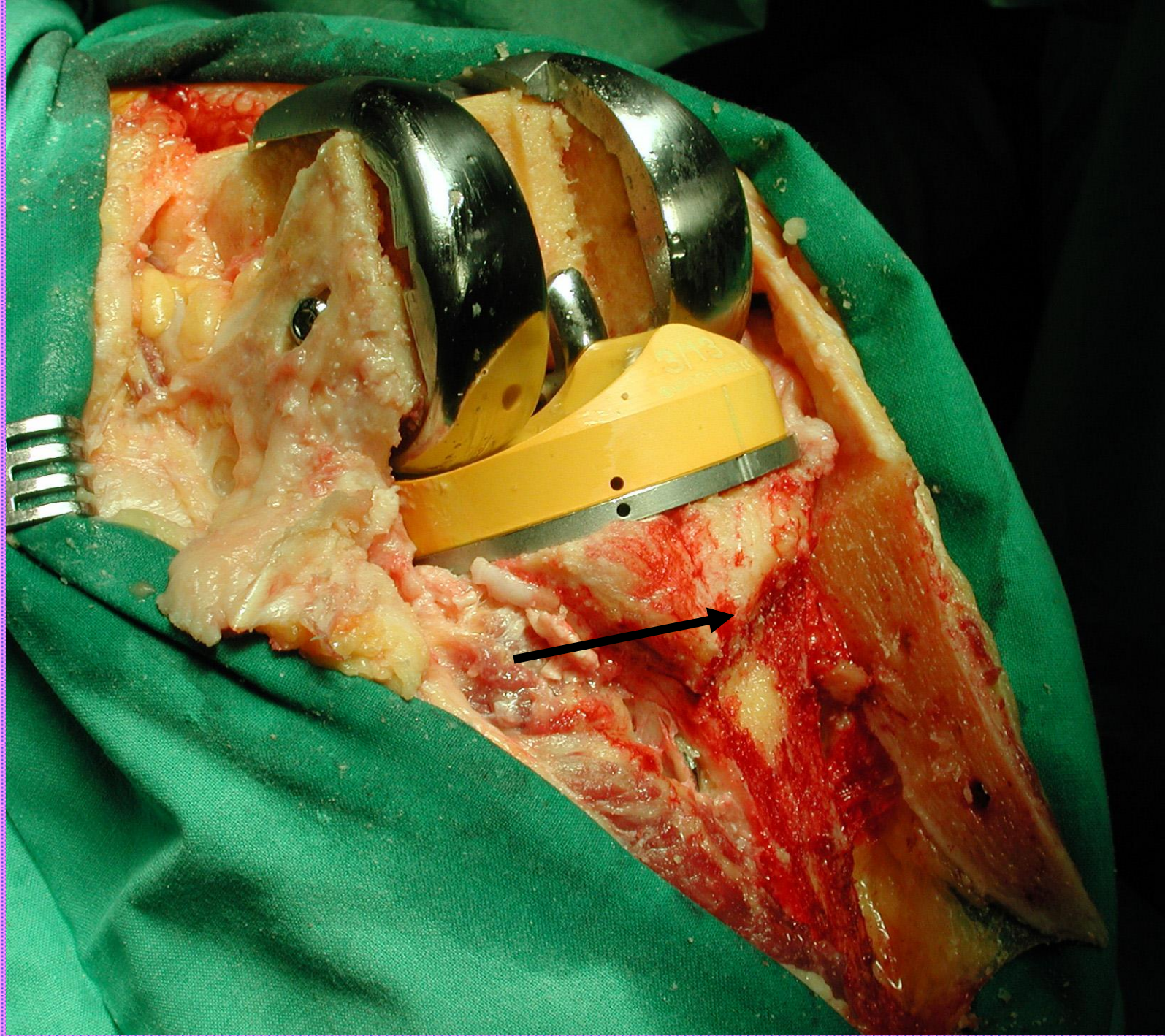
Technical considerations

• Exposure

- Stiff knee
- Patella infera

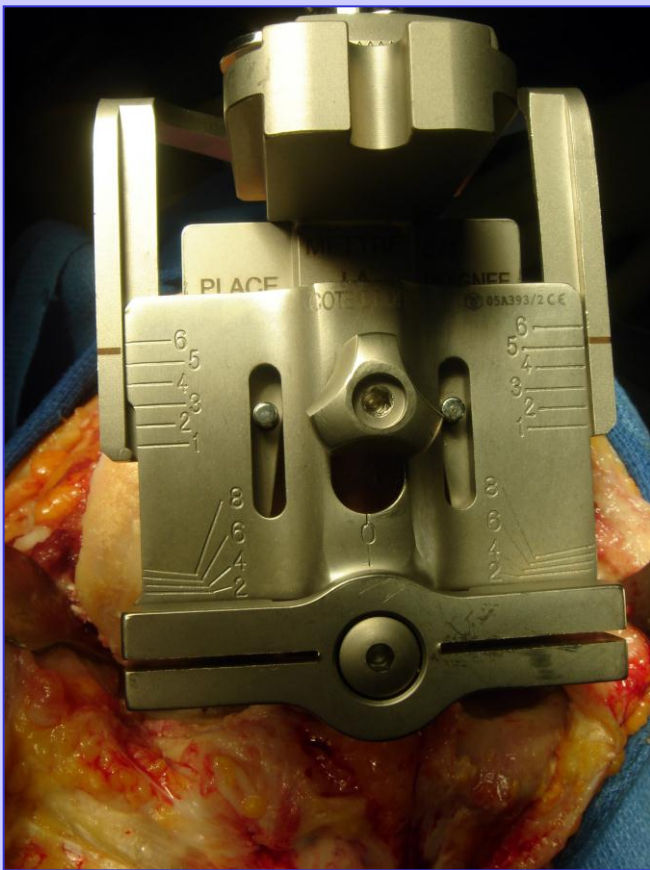


Tibial tubercule osteotomy

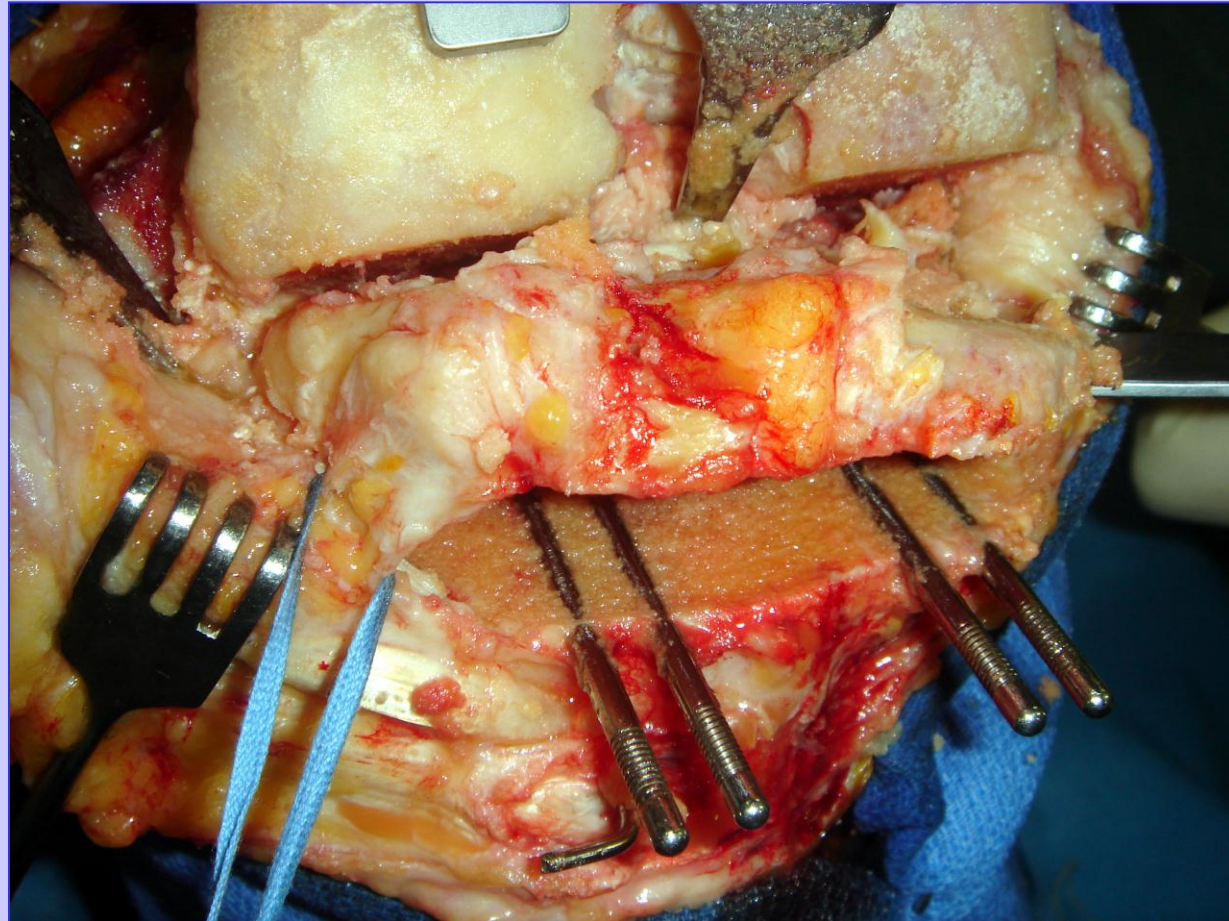


Hypocorrection

Medial approach

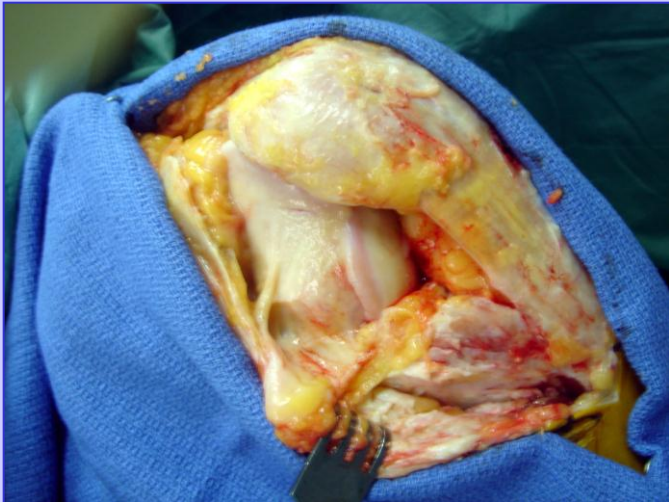


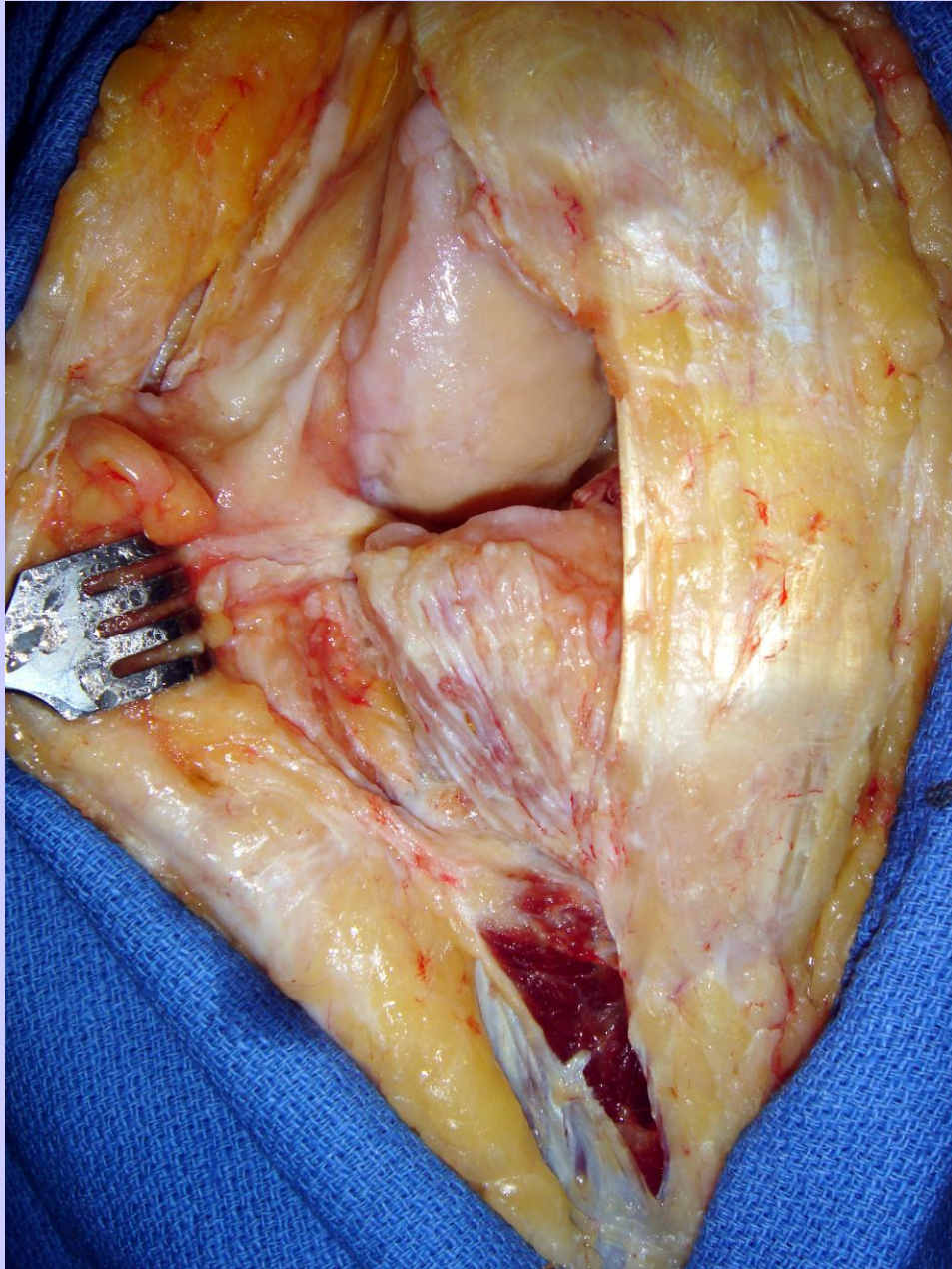
- Femoral cut first
- Pin in the patellar T



Hypercorrection

Lateral approach





Hypercorrection Lateral approach

• Tibial cut: level

- Wear of the tibial plateau
- Lowering of lateral plateau



Landmark??

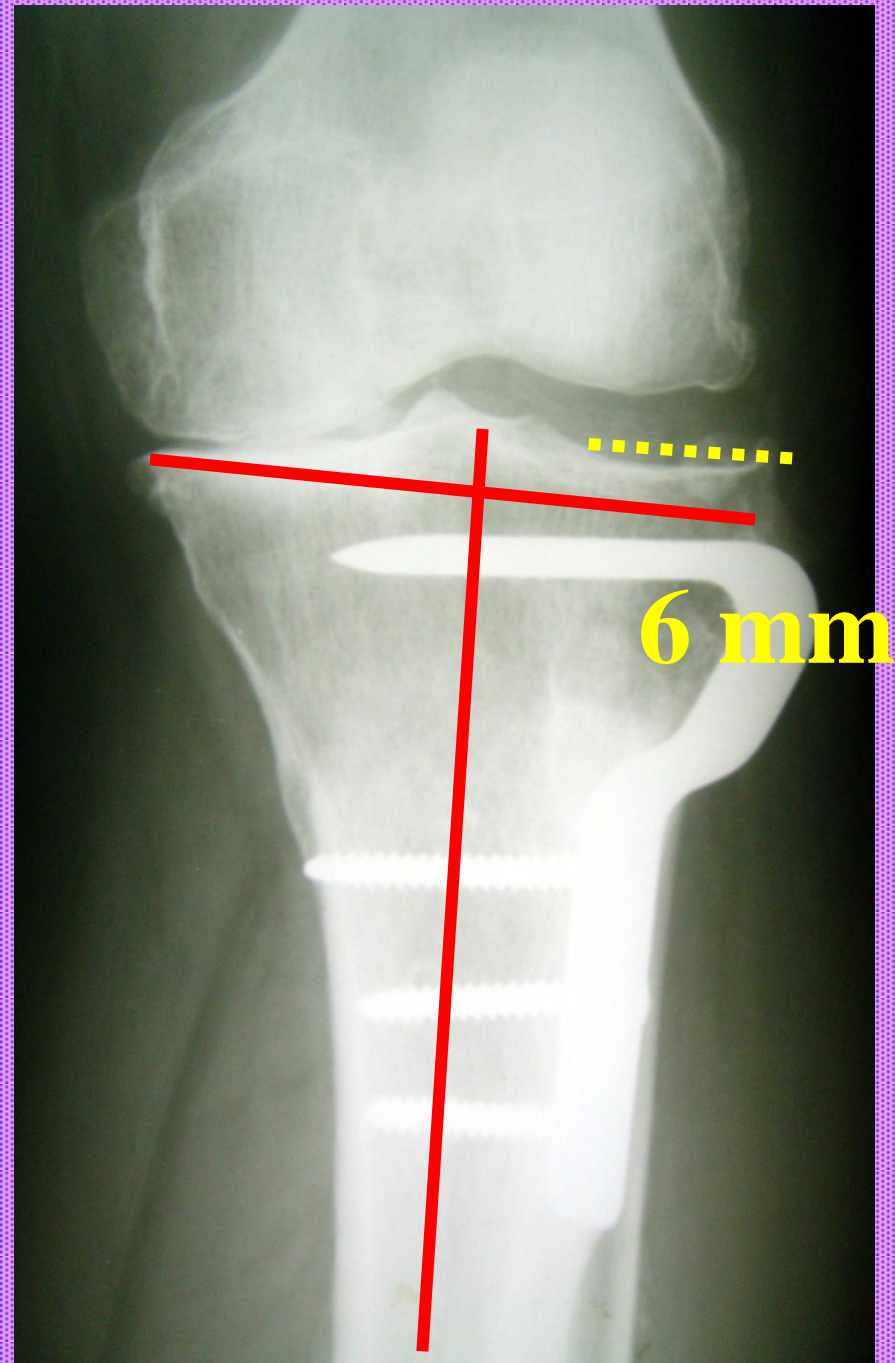


Lateral condyle
Tibial cut 6 mm

Hypocorrection Medial approach

Landmark: Lateral plateau

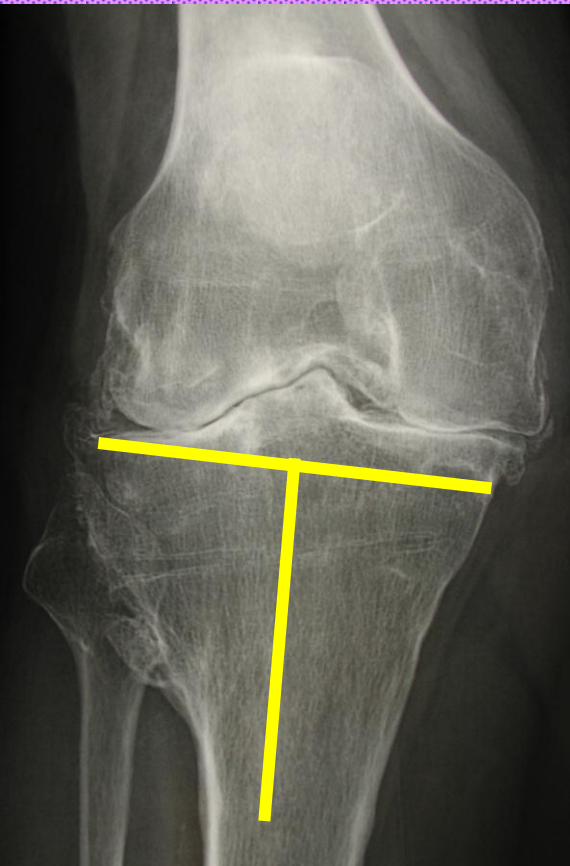
Tibial Cut: 6 mm

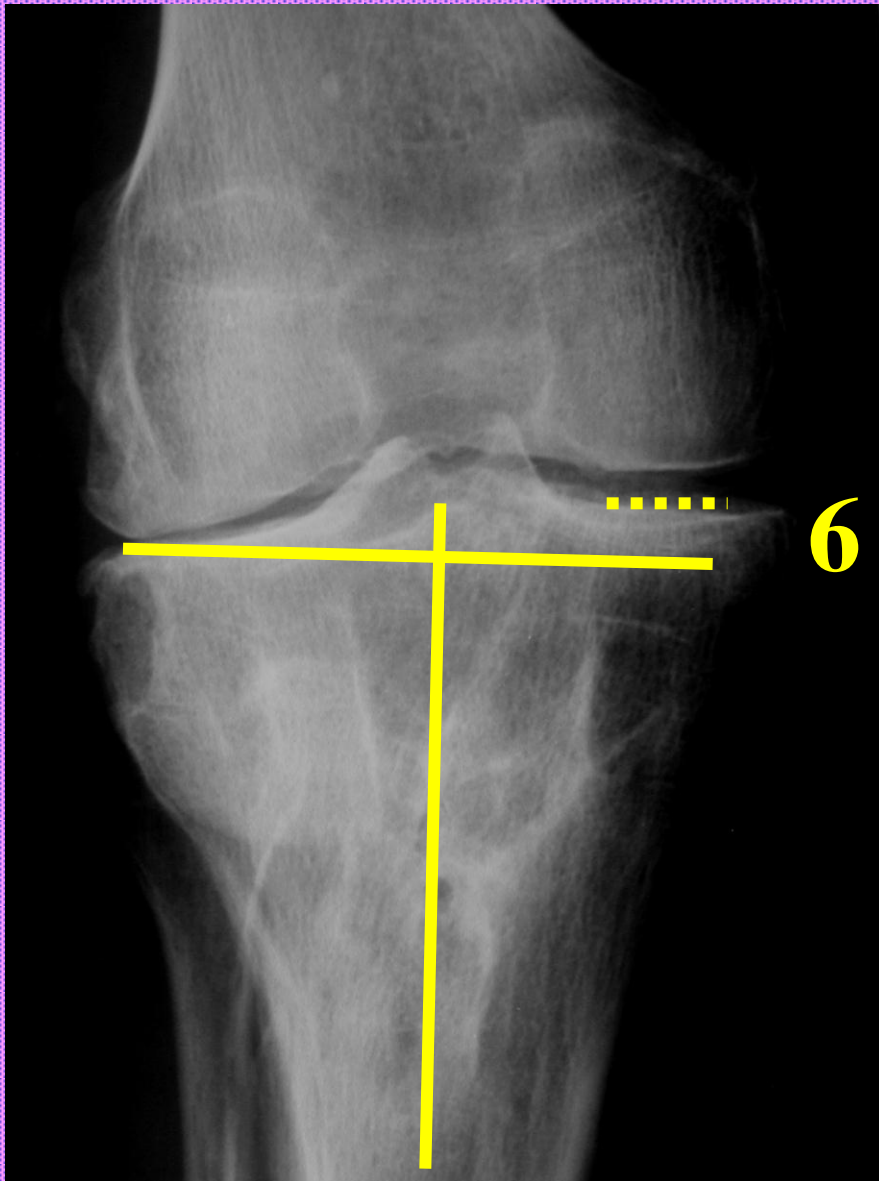




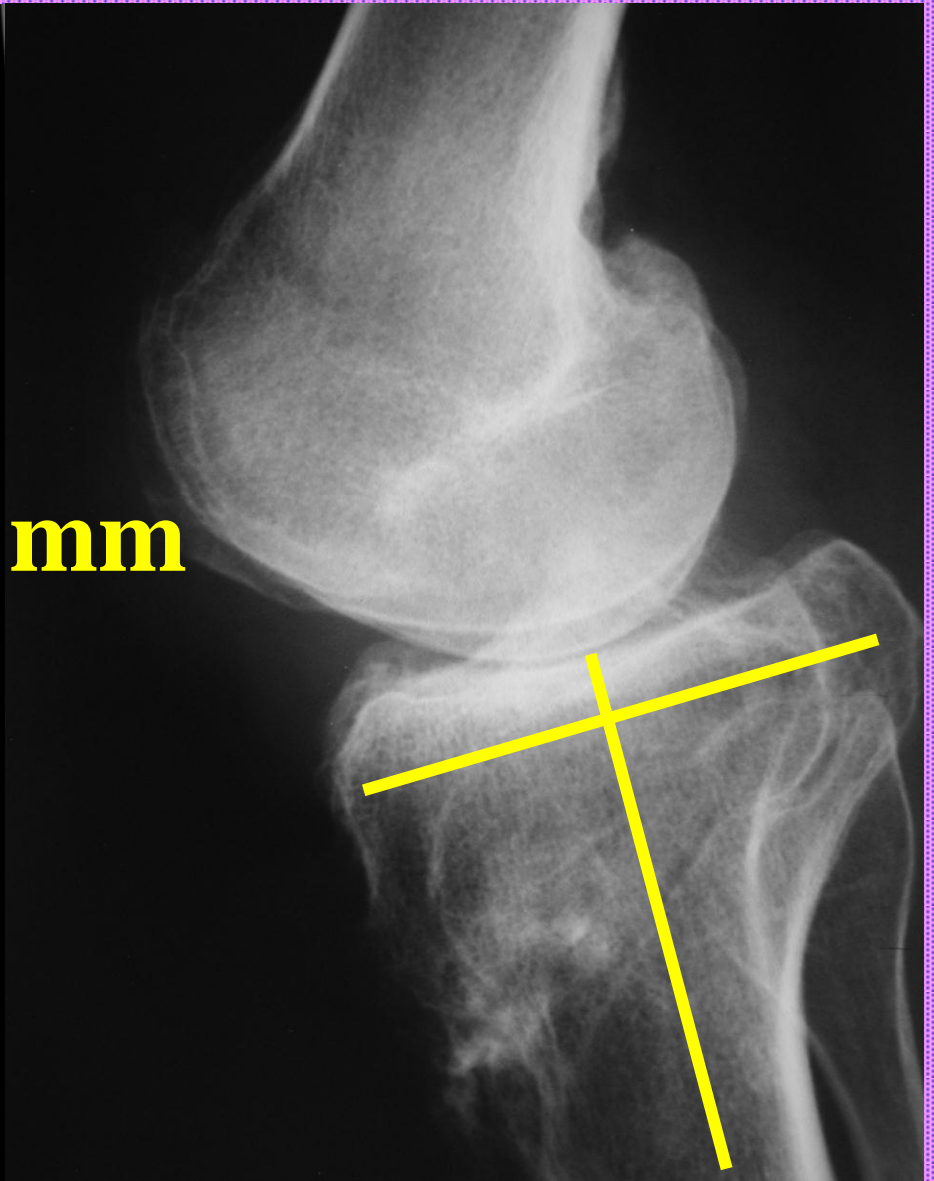
Hypercorrection

Lateral approach





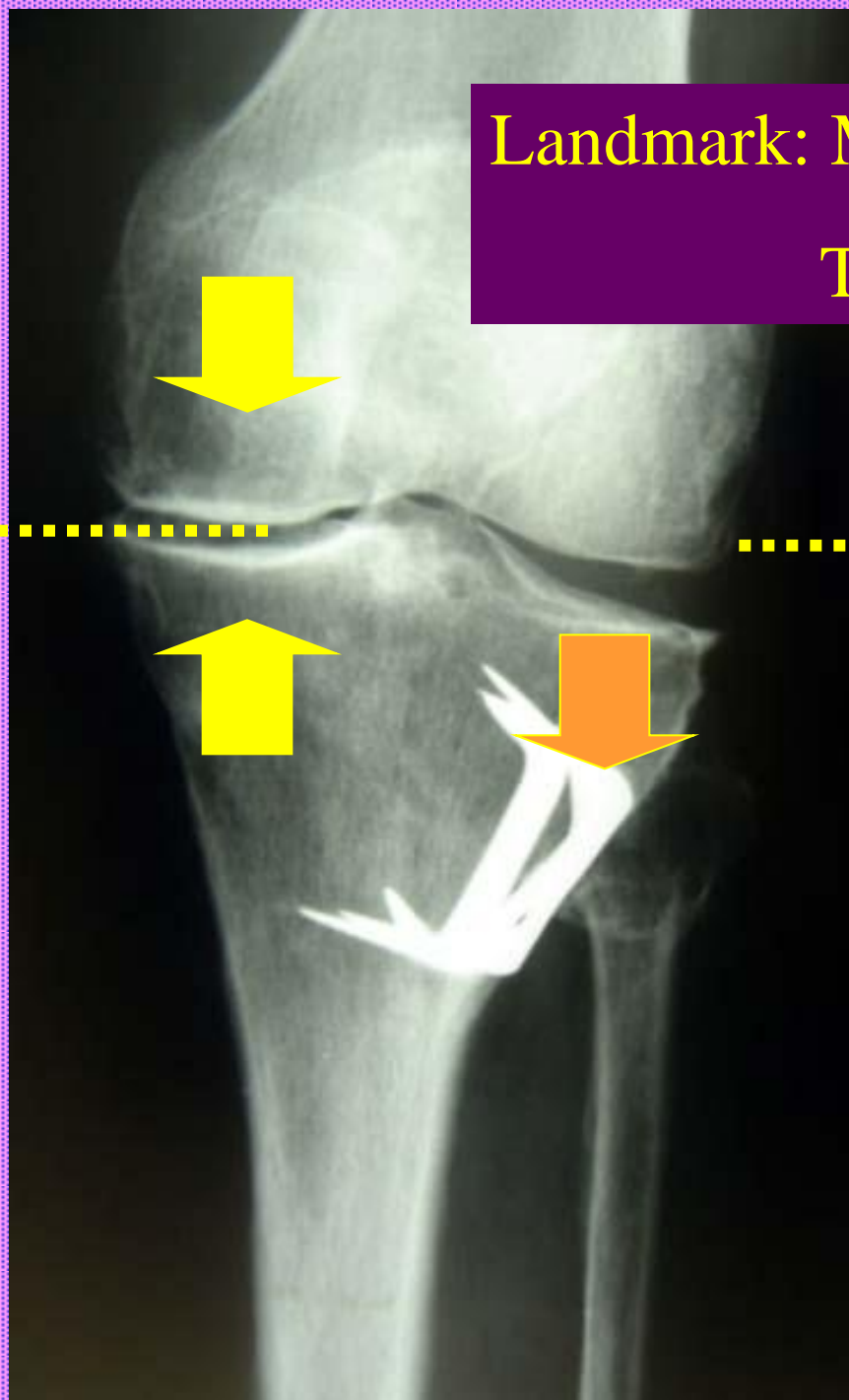
6 mm



Landmark: Medial plateau

Tibial Cut: 6 mm

6 mm



• Tibial cut: orientation

- Laxity after resection

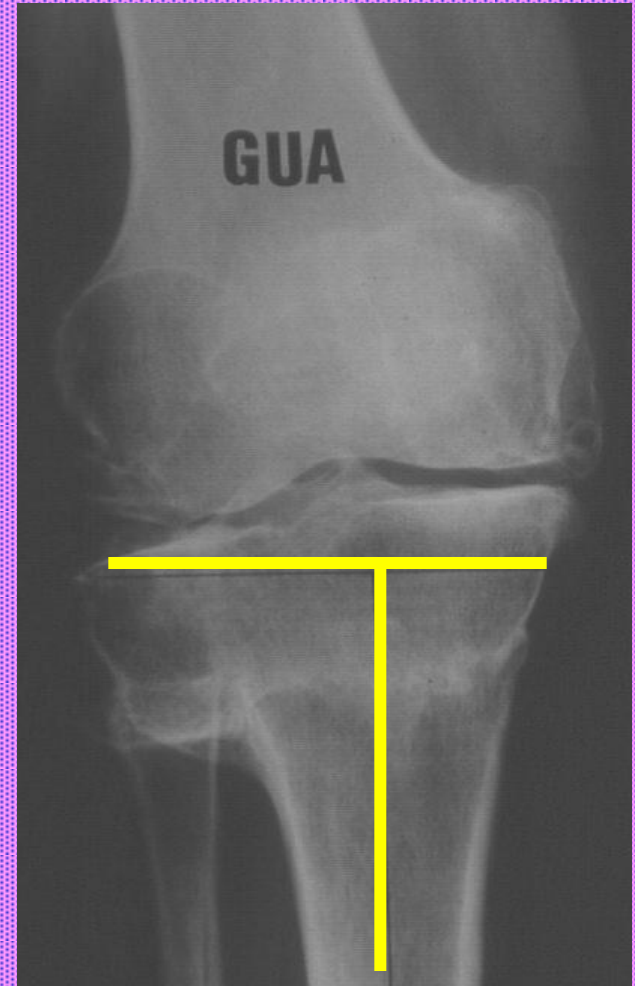
due to

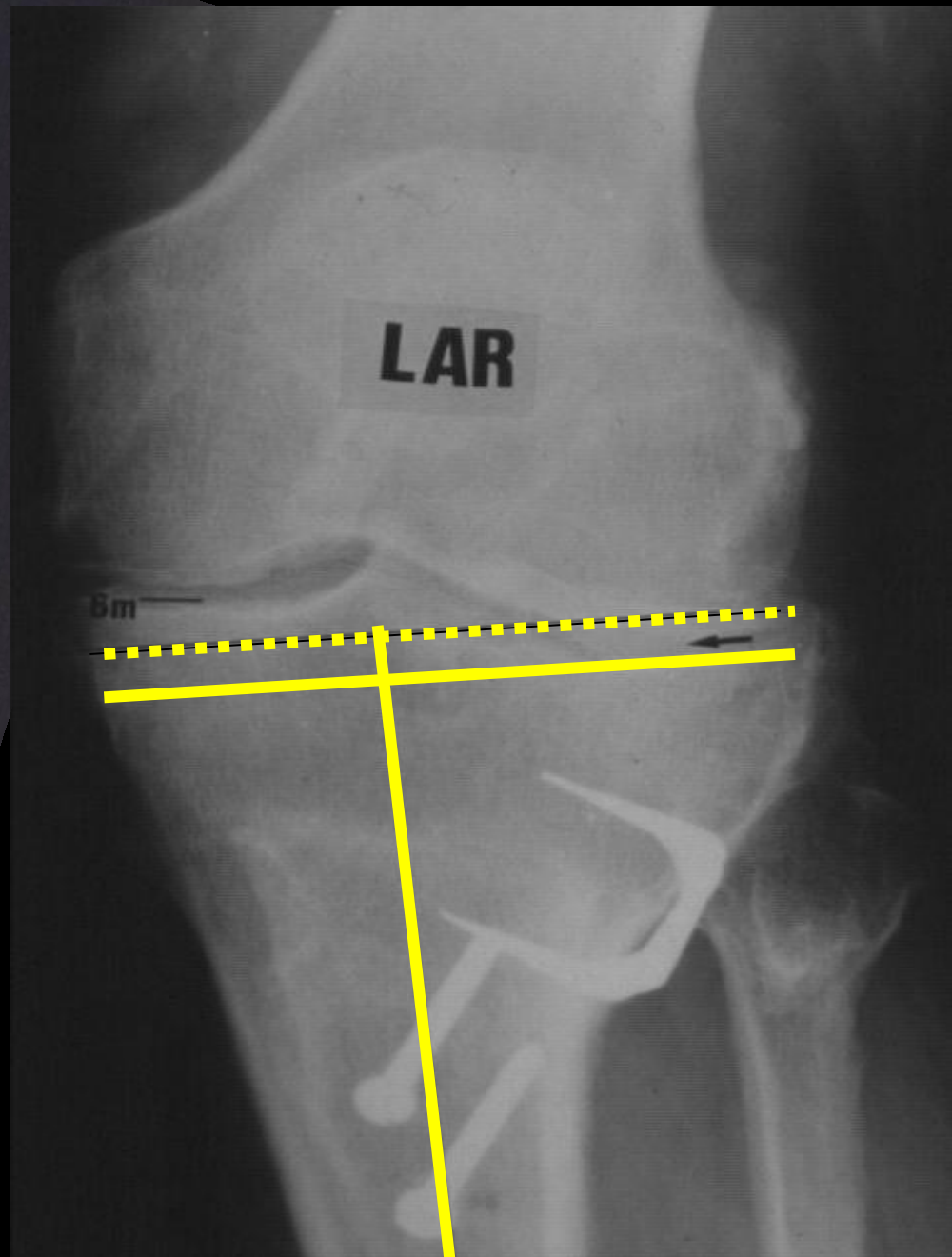
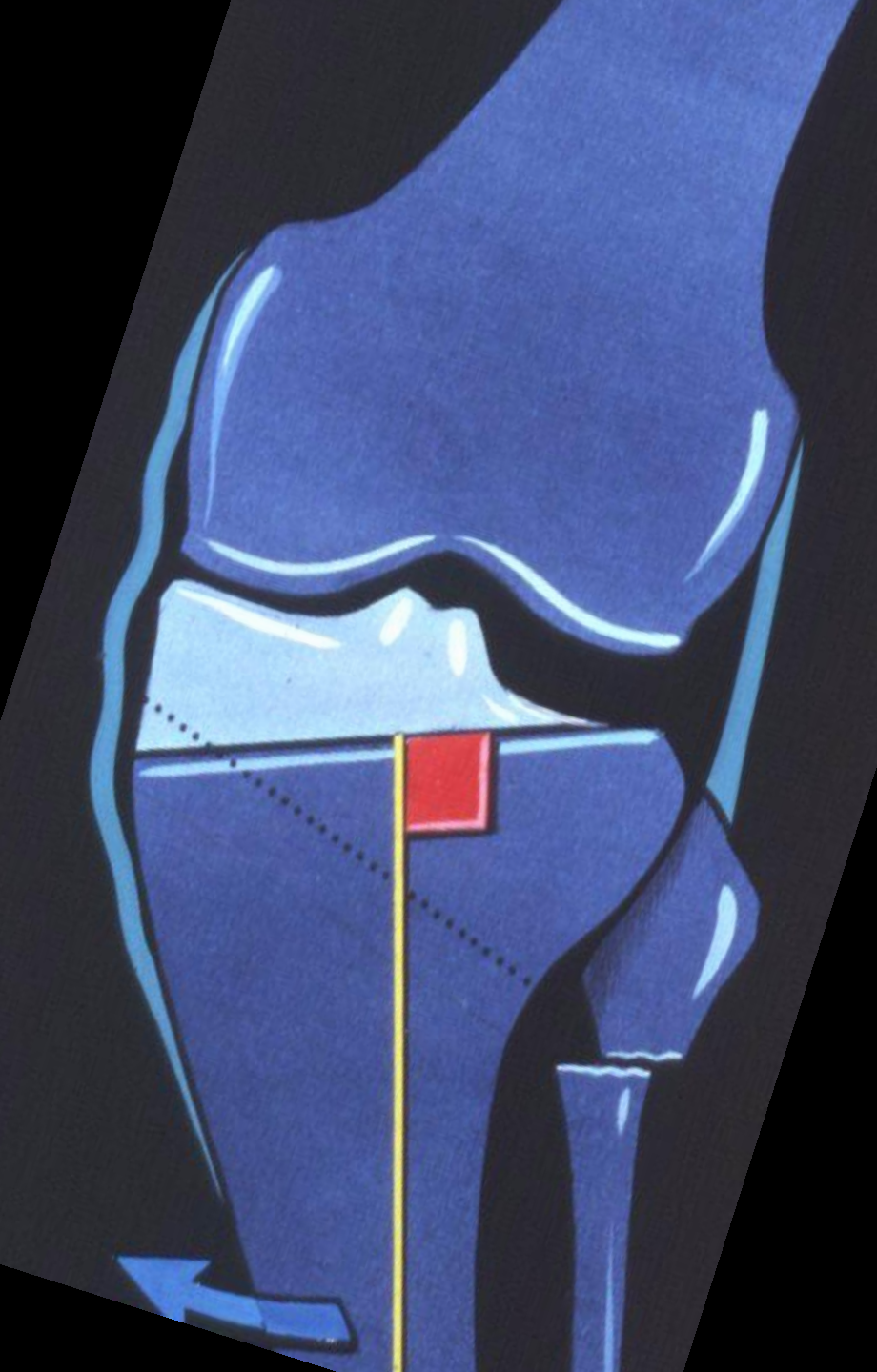
Asymmetrical bone cut



Soft tissue balancing

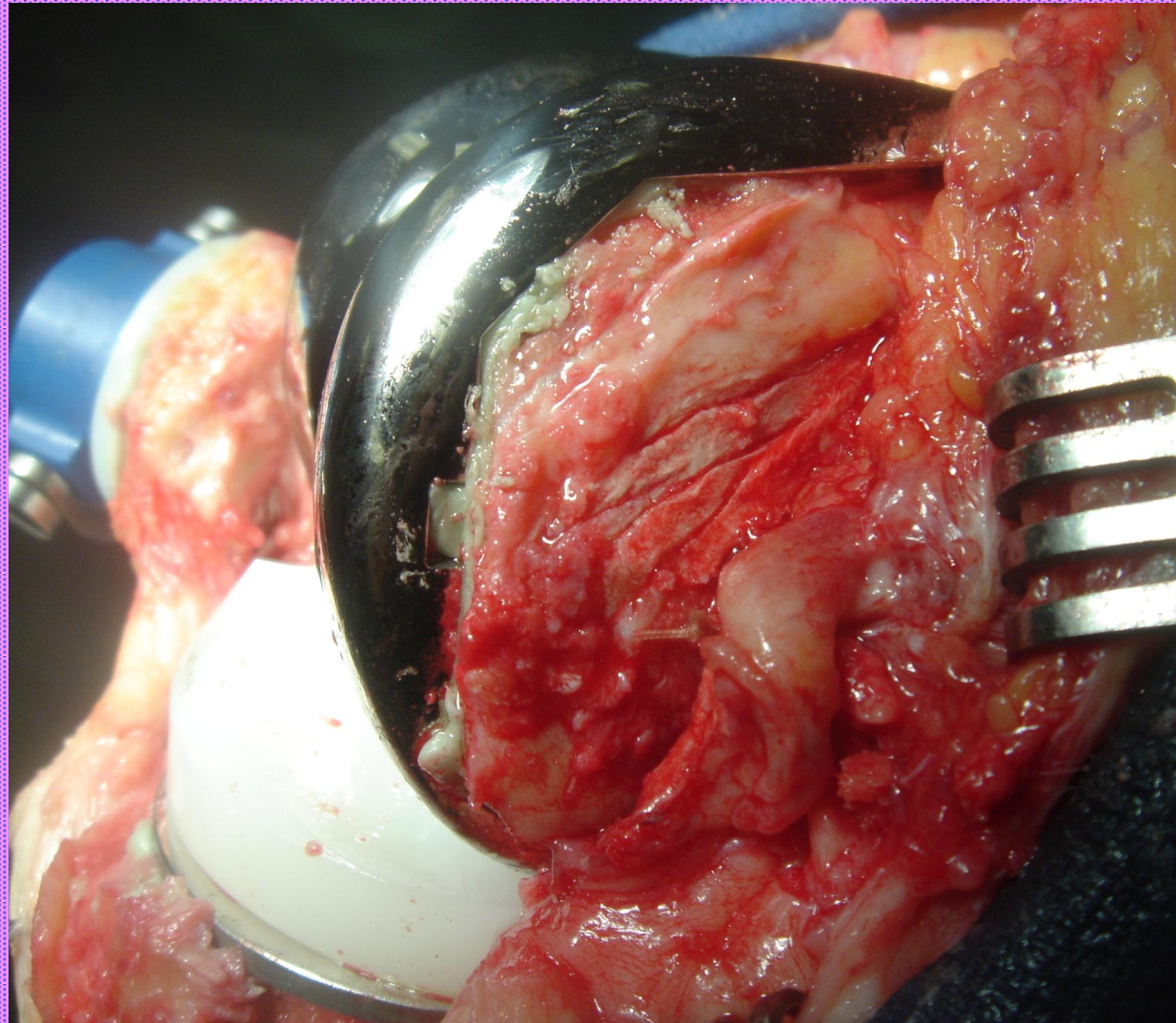
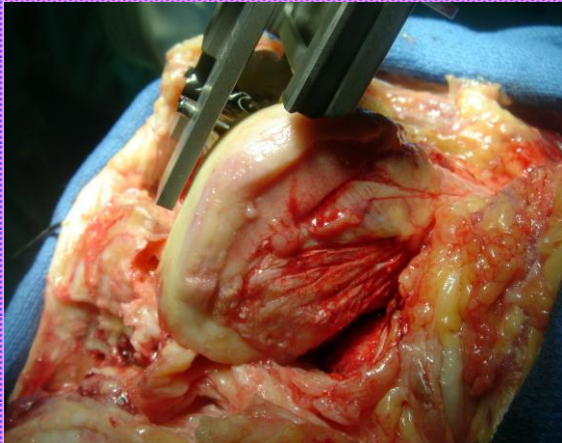
after minimal bone cuts

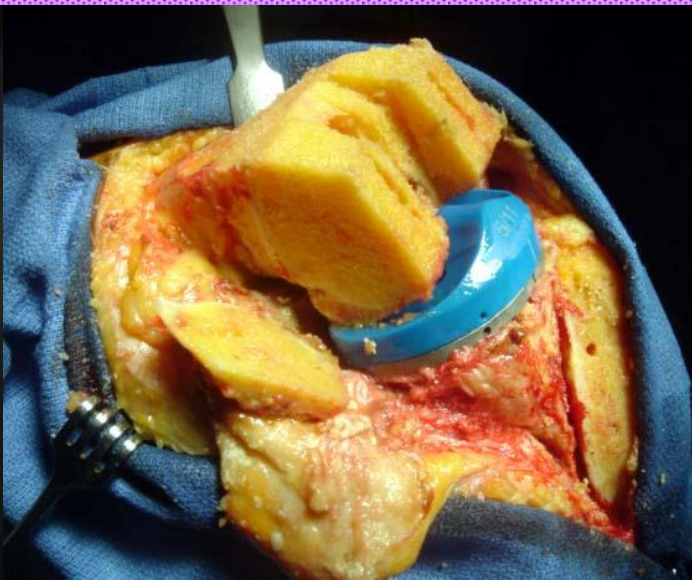




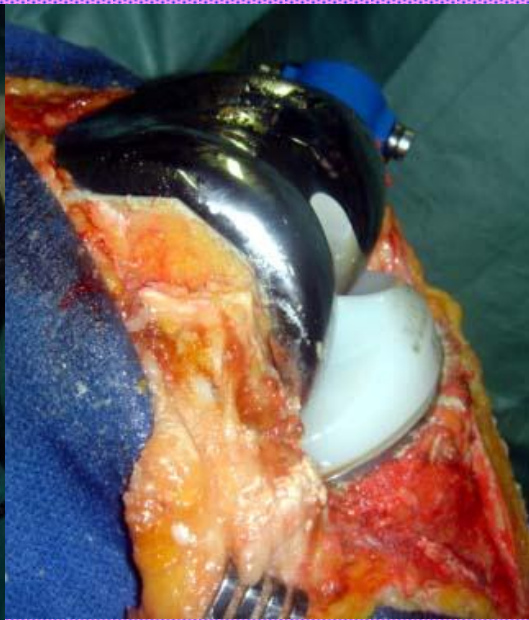
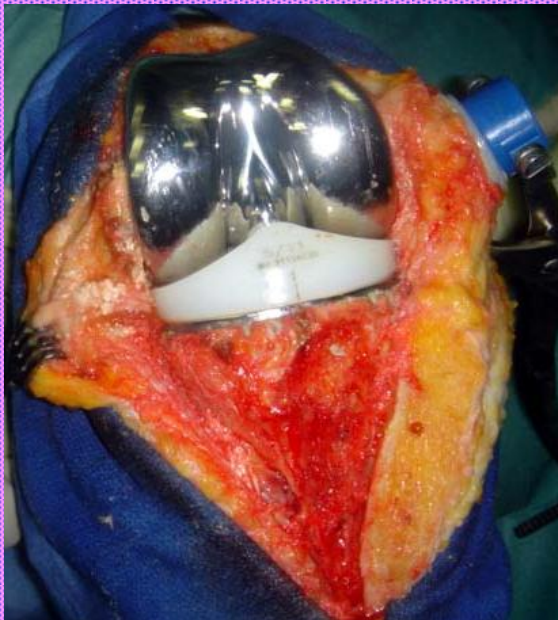
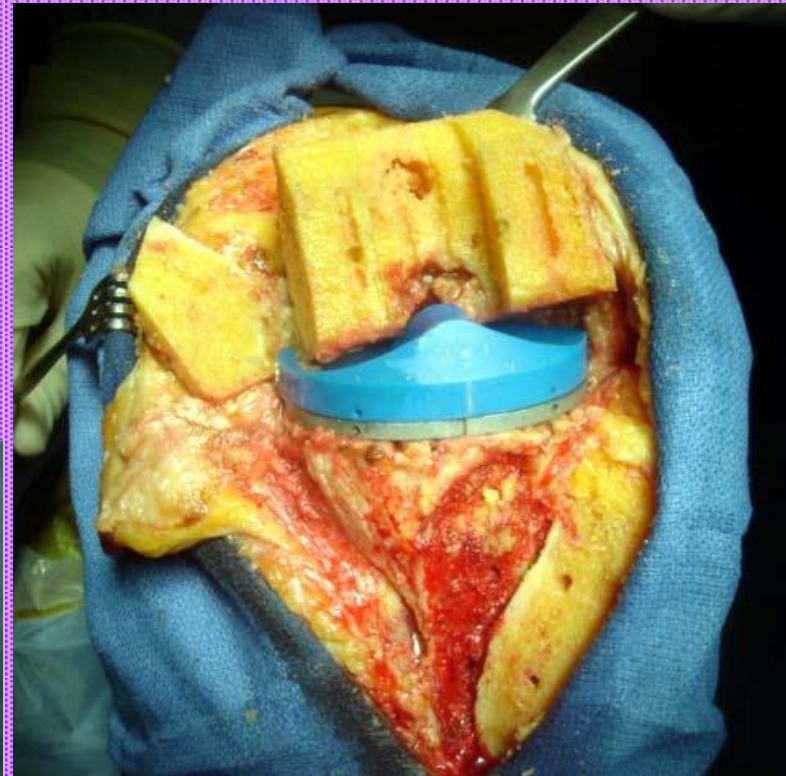
• Soft tissue balancing

- LCL desinsertion
- Popliteus T idem





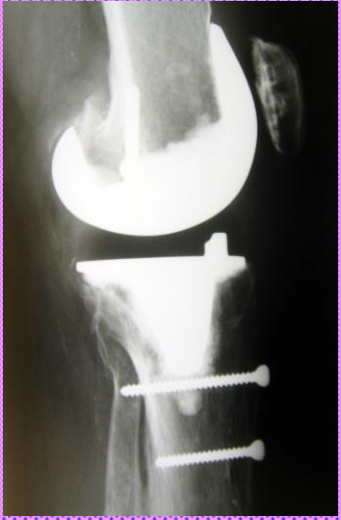
Condylar sliding osteotomy



Angulation

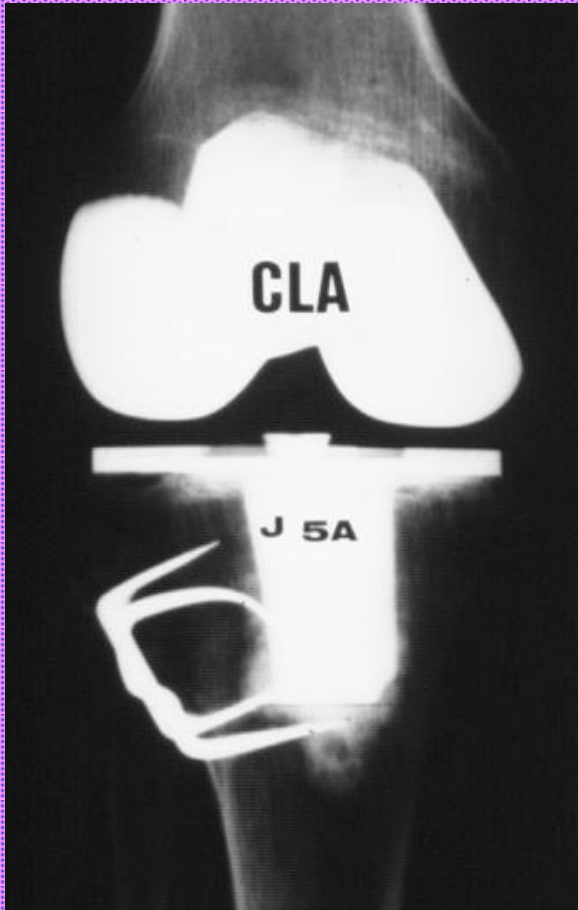
Translation





• Hardware removal

- Impingement with tibial stem

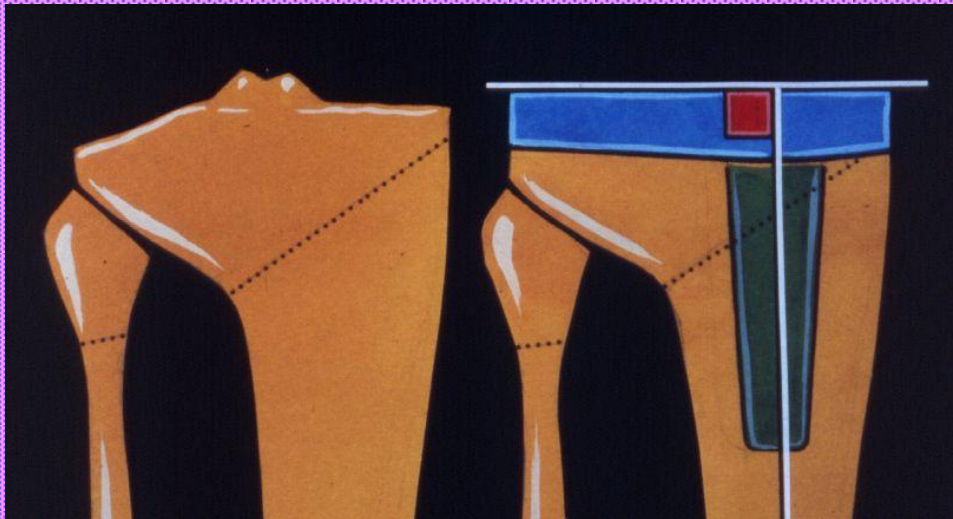
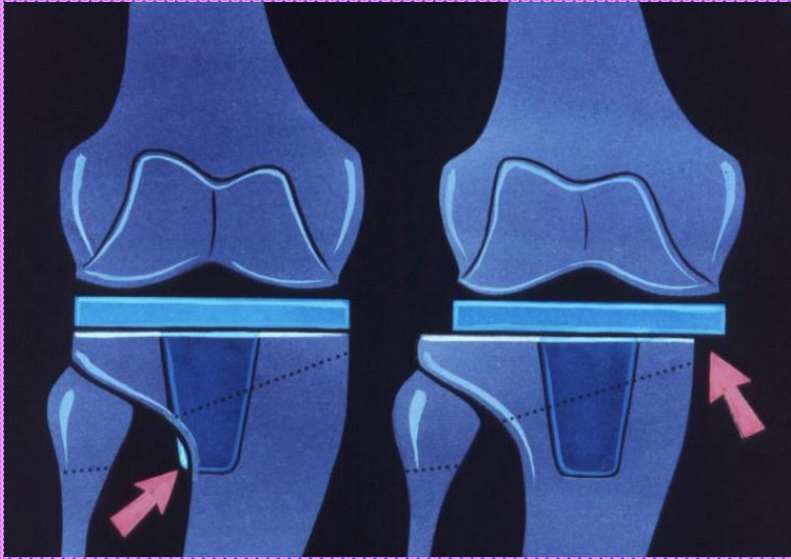


• Hardware removal

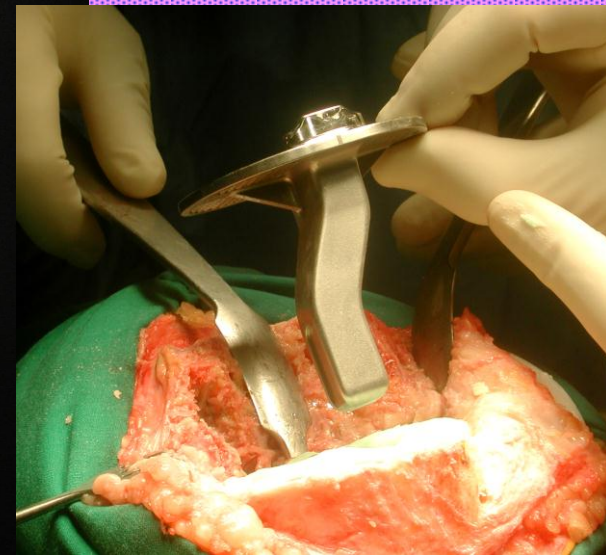
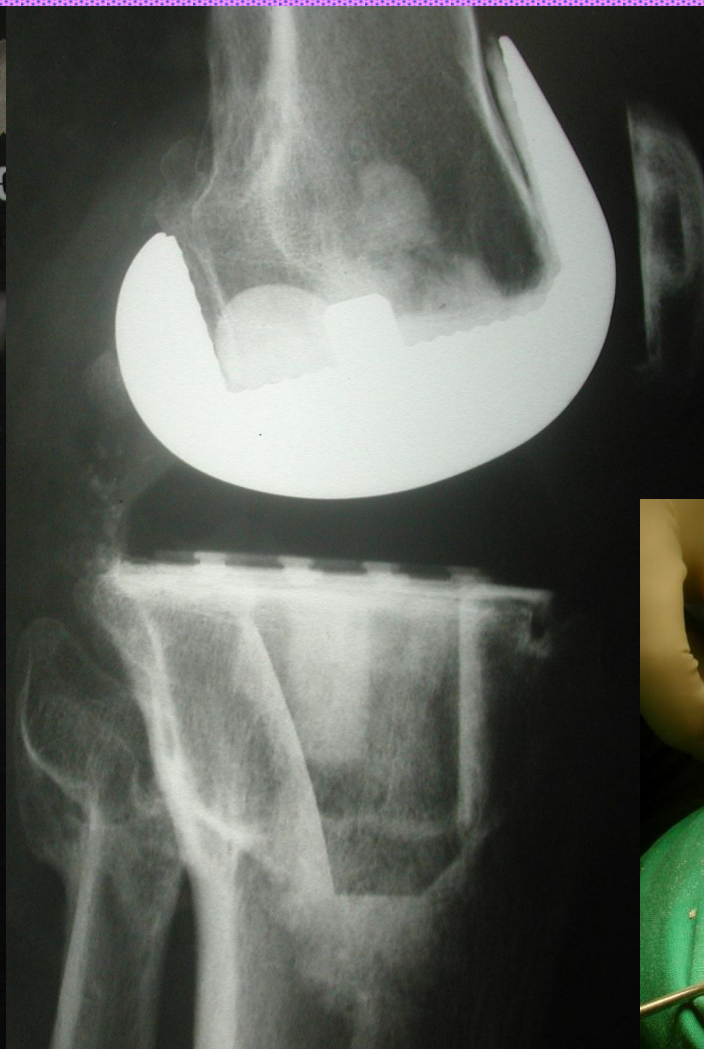
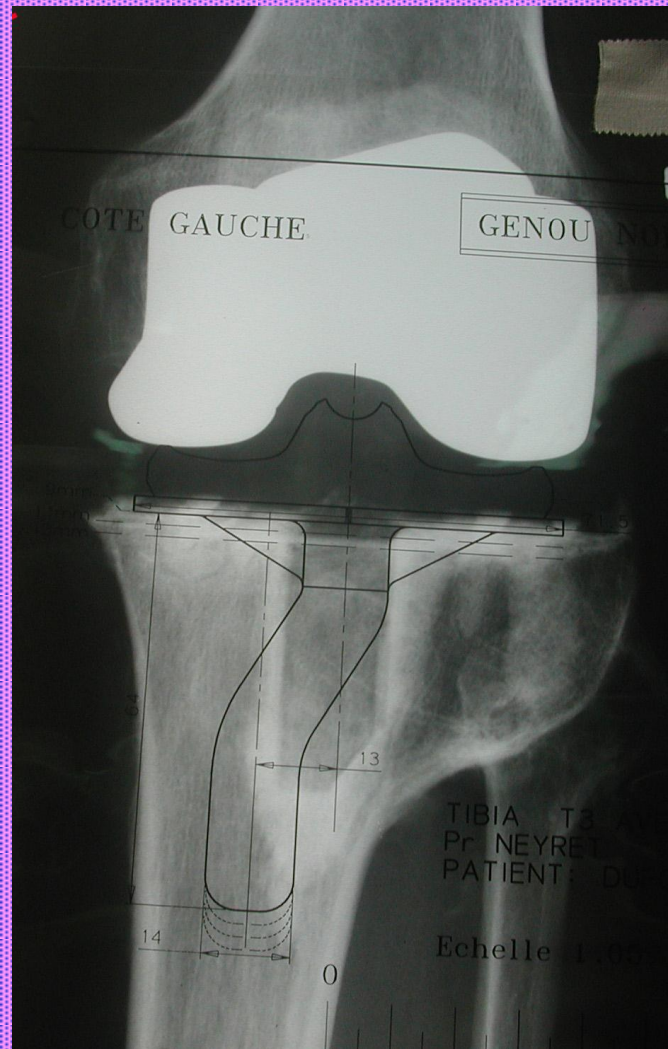
- Cutaneous concerns

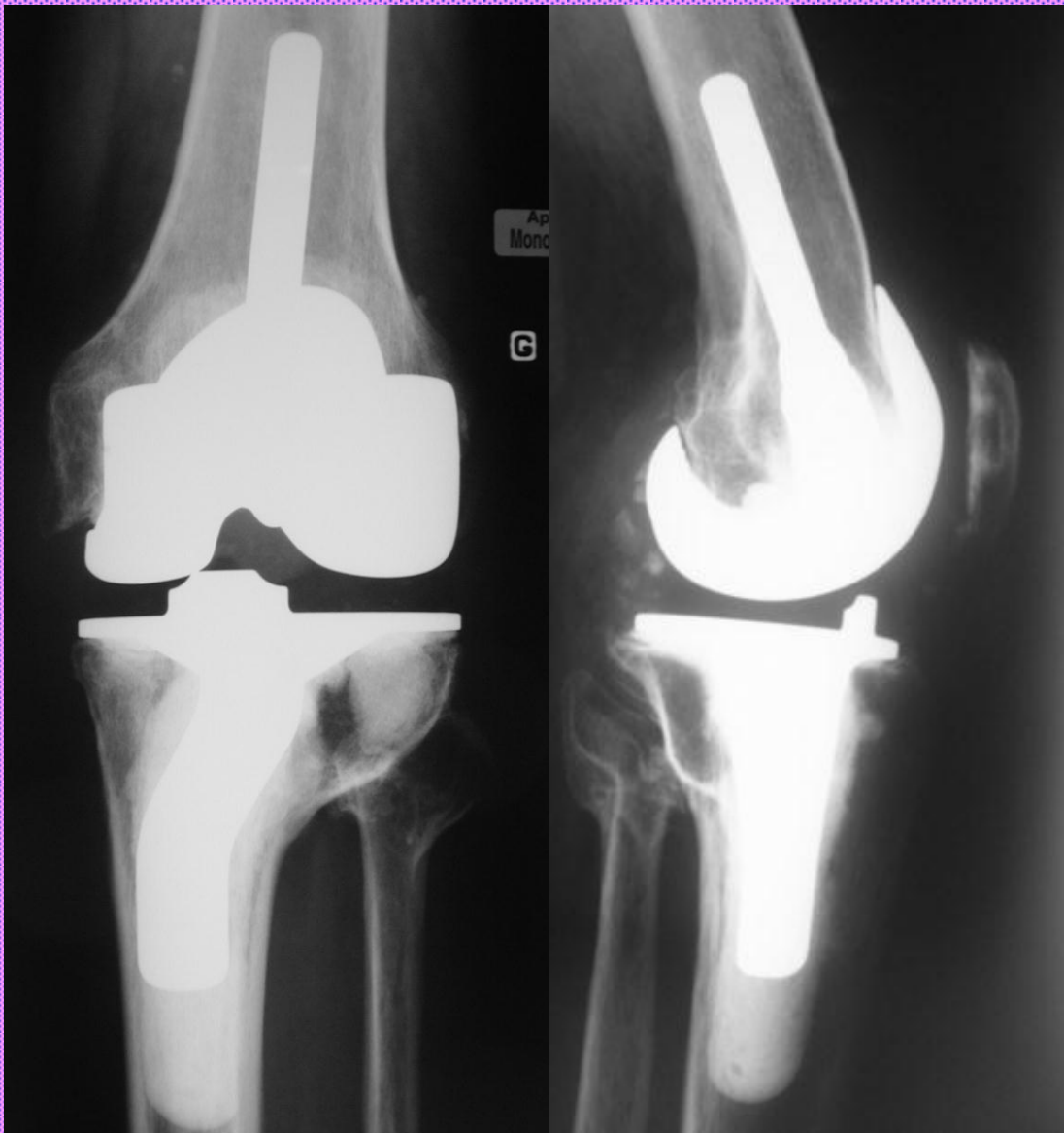


- Tibial mal union



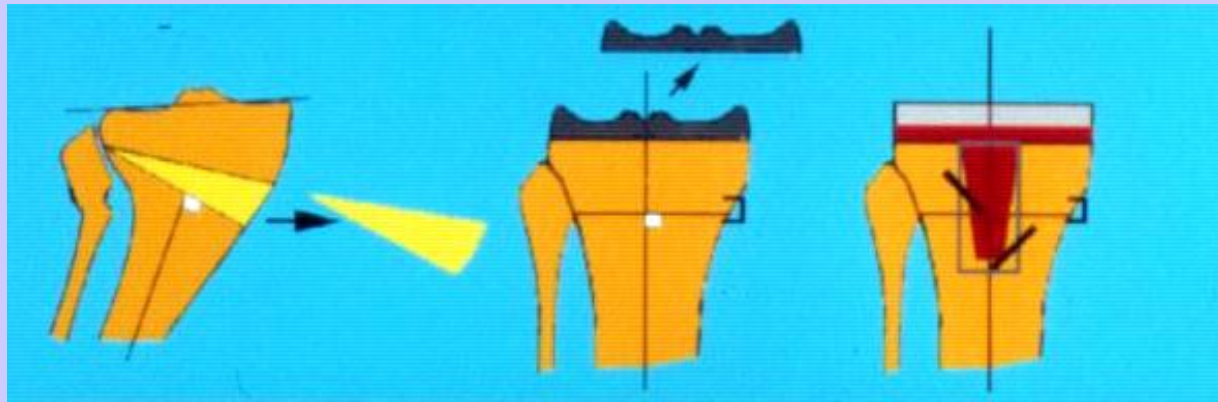
- Tibial mal union





• Tibial mal union

- Stem impingement
- Major deformity



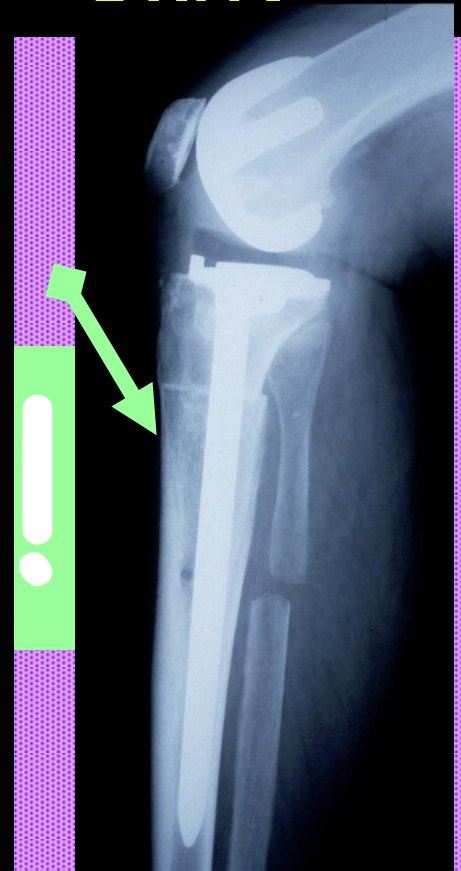
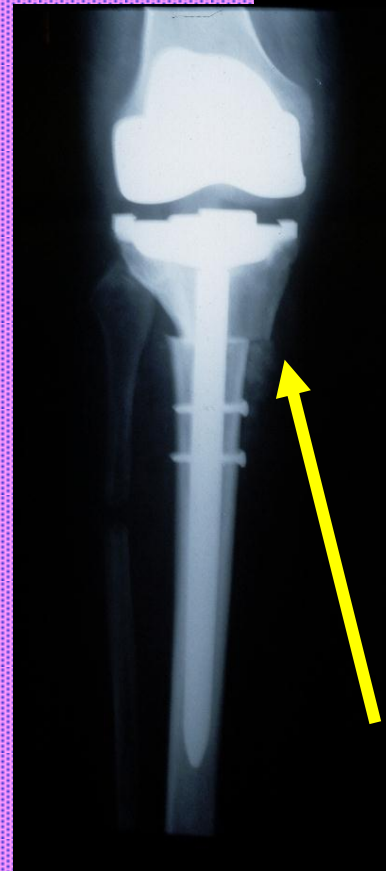
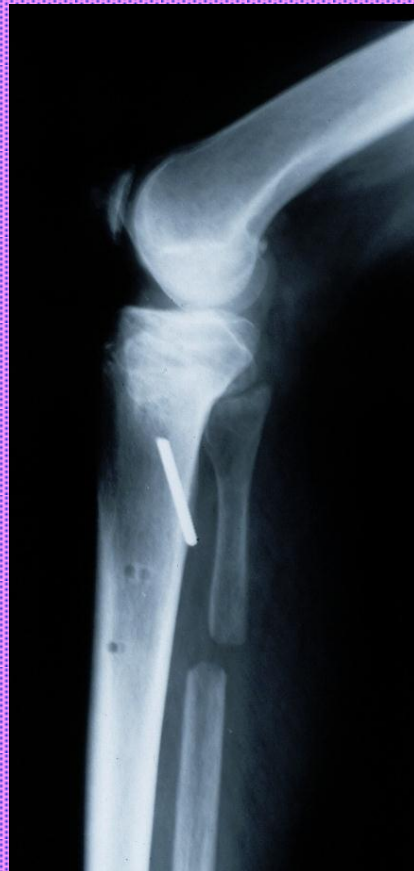
Simultaneous osteotomy ???

III Offset proximal tibia

severe tibial bone loss

pseudarthrosis of tibia

Courtesy of
D Kohn
Saarland
Univ.



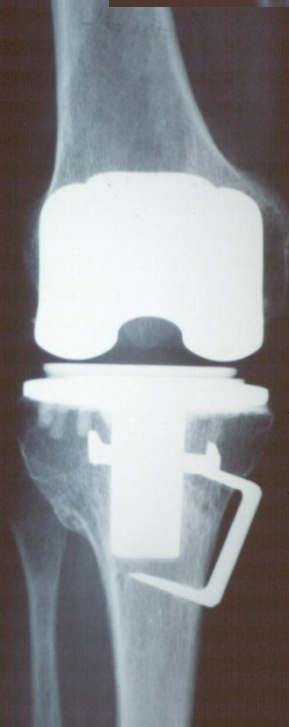
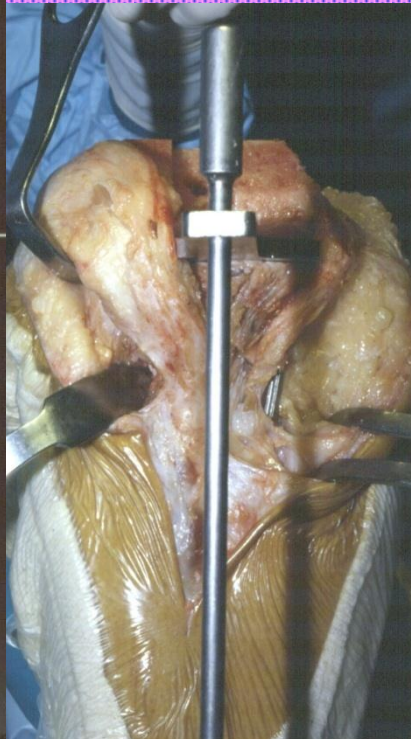
Patient BW, 60 y, HTO 7 y

post HTO



Dome osteotomy

Courtesy of
F Montserrat
Barcelona



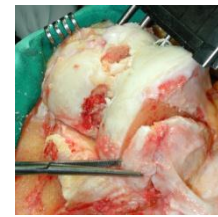
Type de cal vicieux tibial

Translation



Prothèse sur mesure
ou
Ostéotomie tibiale
associée

Angulation

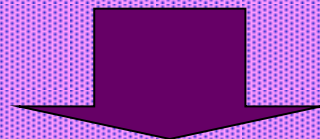


Ostéotomie
condylienne
ou
Ostéotomie tibiale
associée

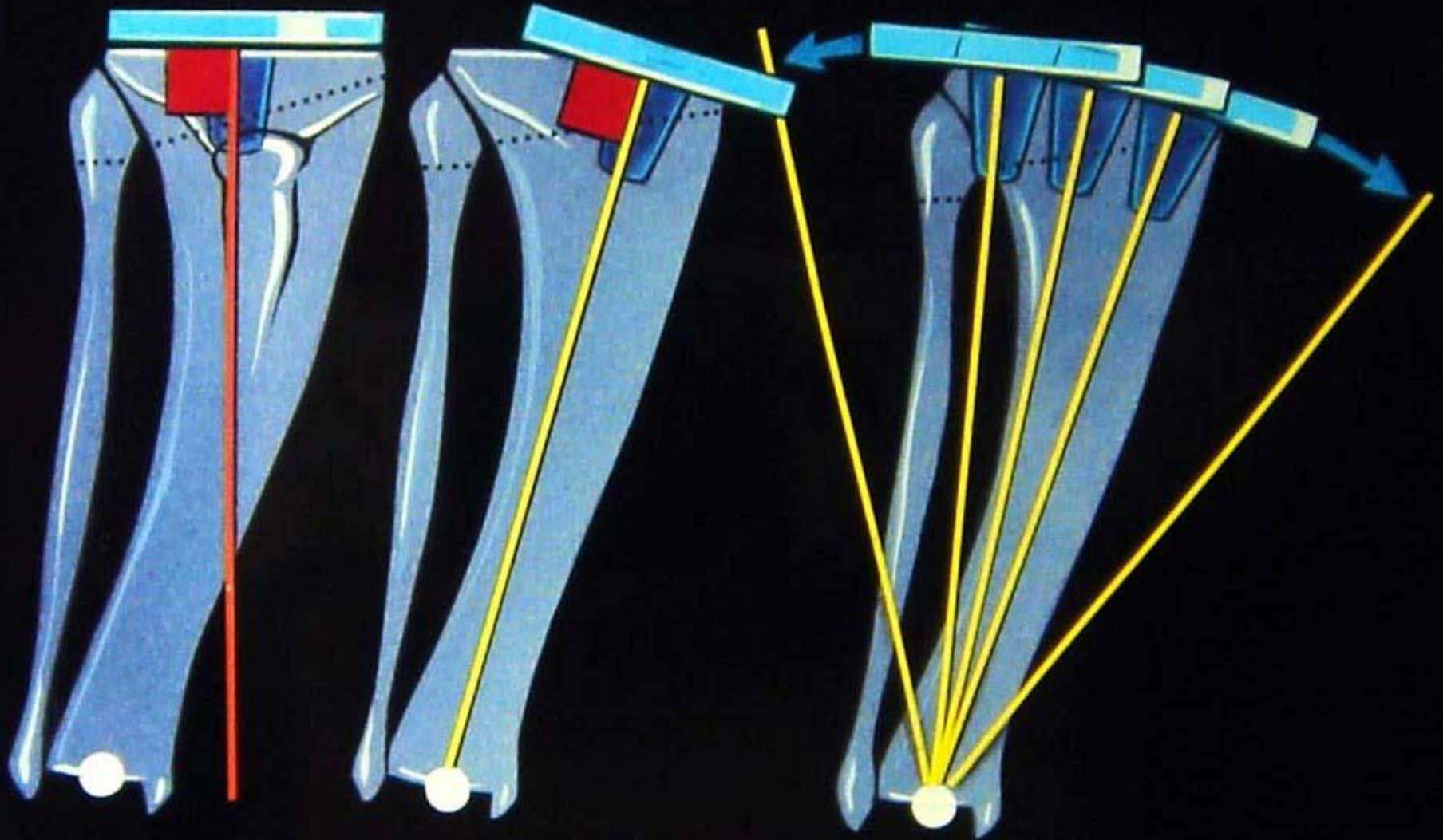
<

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How to plan....???



Conclusions

- Good results but
- Correct pre-operative planning.....
.....Never straight forward surgery

Merci