

# Bone loss and patella

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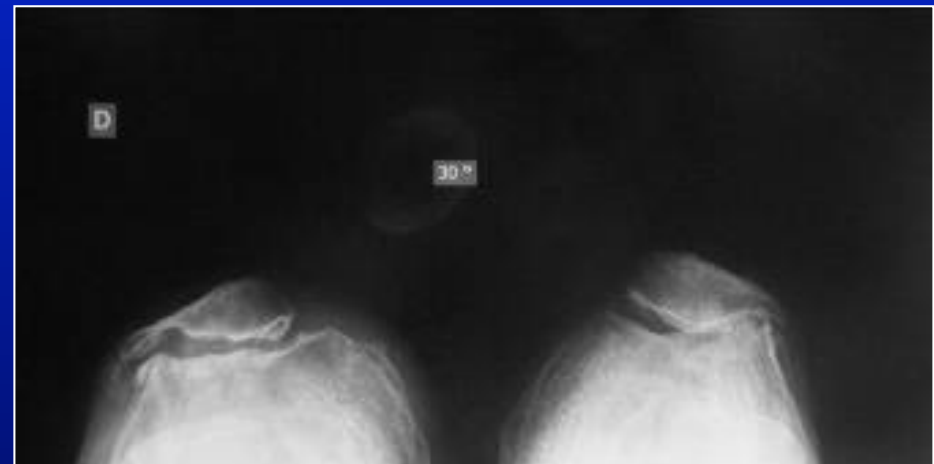
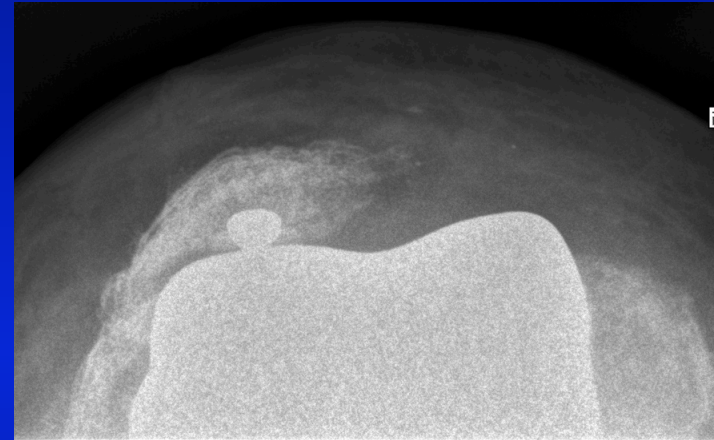
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# Different types





# Insufficient Bone Stock

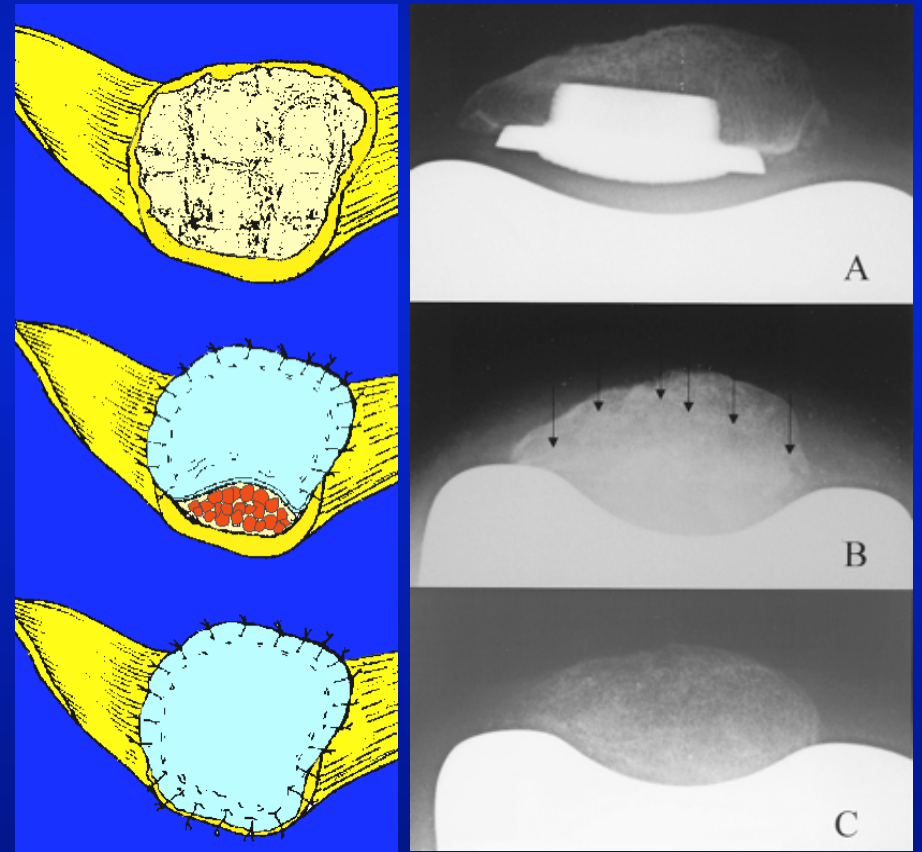
- Common problem
- Several causes
  - ⇒ Revision surgery
  - ⇒ Postraumatic
  - ⇒ Infection
  - ⇒ Iatrogenic
- Prevention
  - ⇒ replacement exact technique
  - ⇒ revision don't remove

bone stock less 10 mm



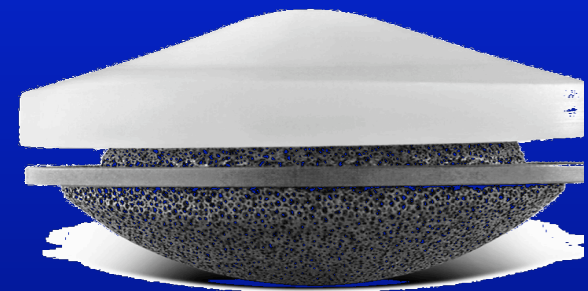
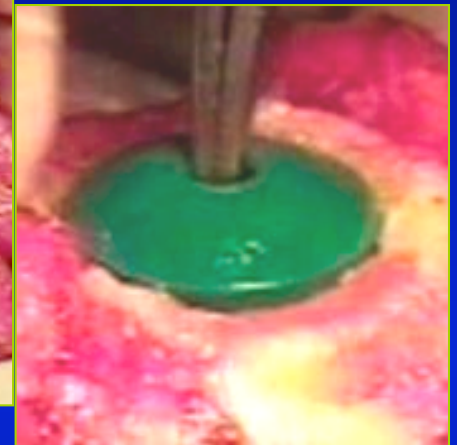
# Solution Bone Grafting

- Younger patient
- Technique
  - soft tissue pouch
  - impacting grafting
- Functional adaption
- Good mid-term results



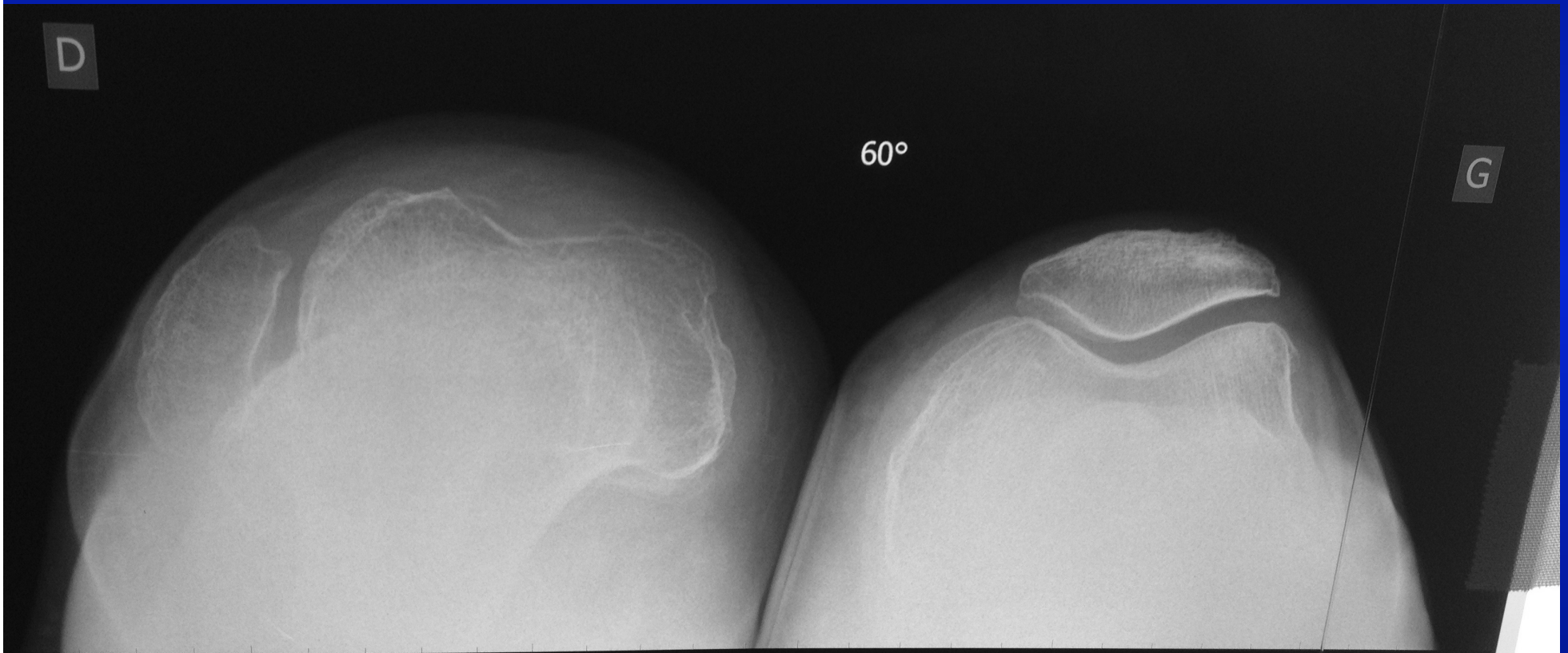
# Solution Implant

- Older patient
- Onlay patella
- Inlay patella
- TM metal PE
- Salvage  
gulf wing osteotomy  
resection arthroplasty



# Clinical case 1

## Go get the bone ...

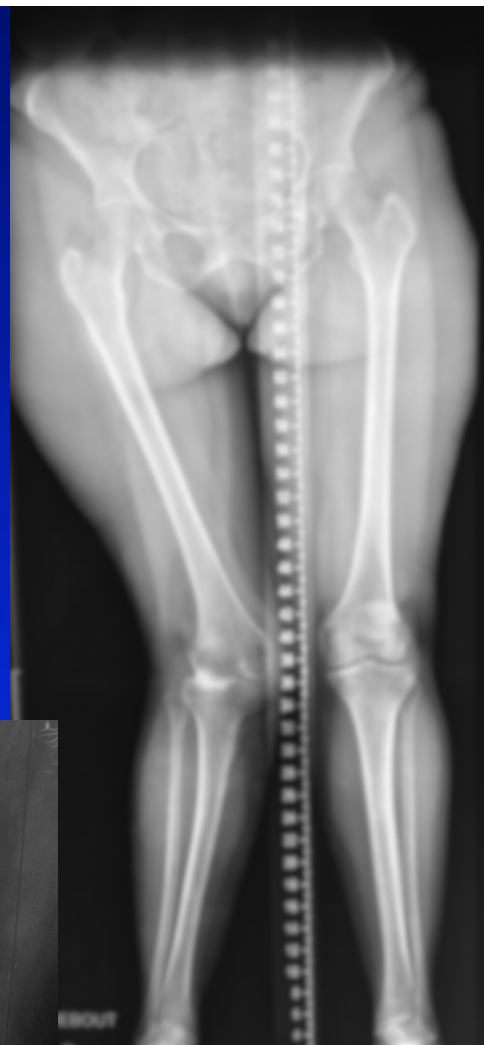




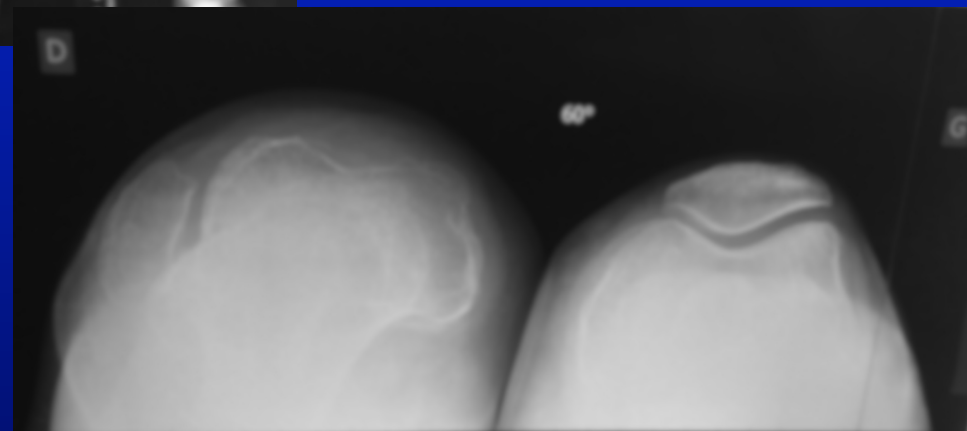
# Indication : triple valgus deformity in the elderly woman

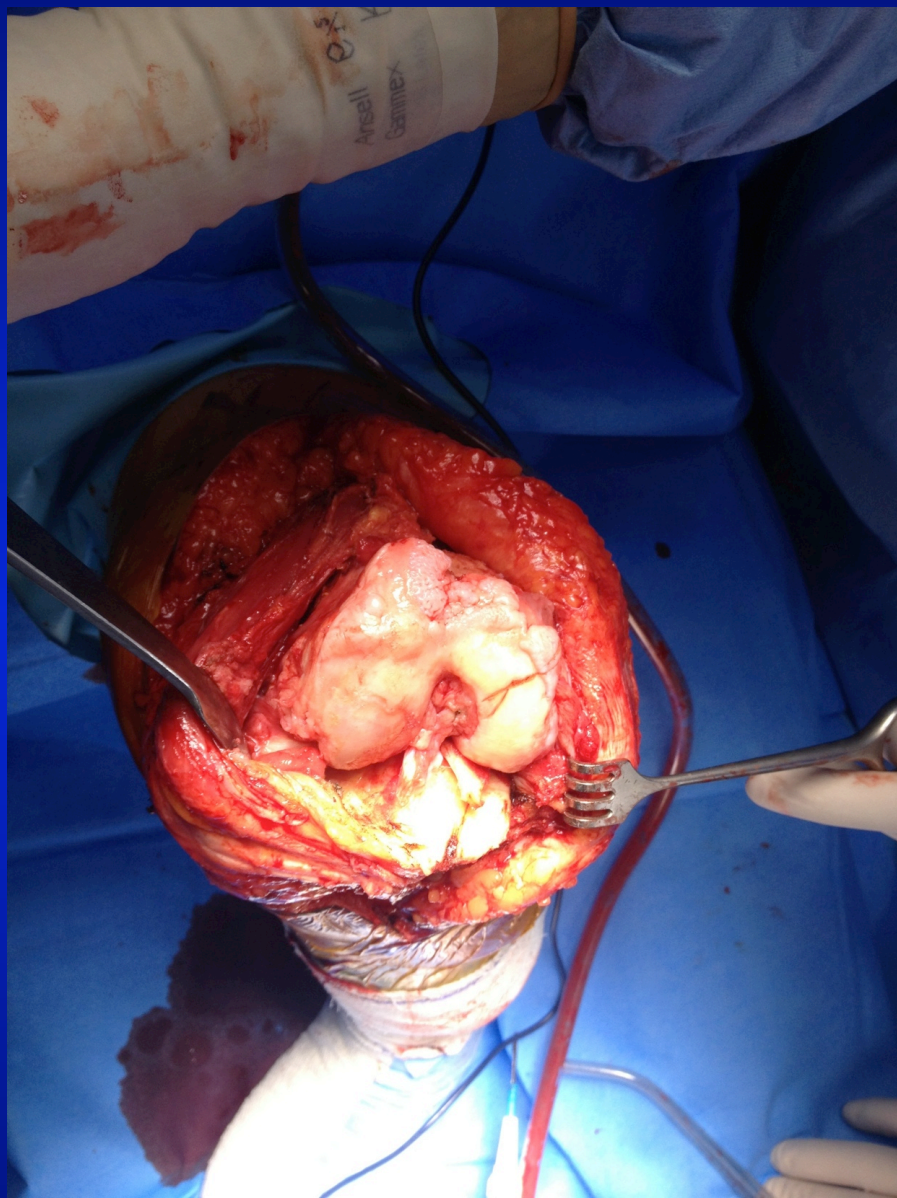




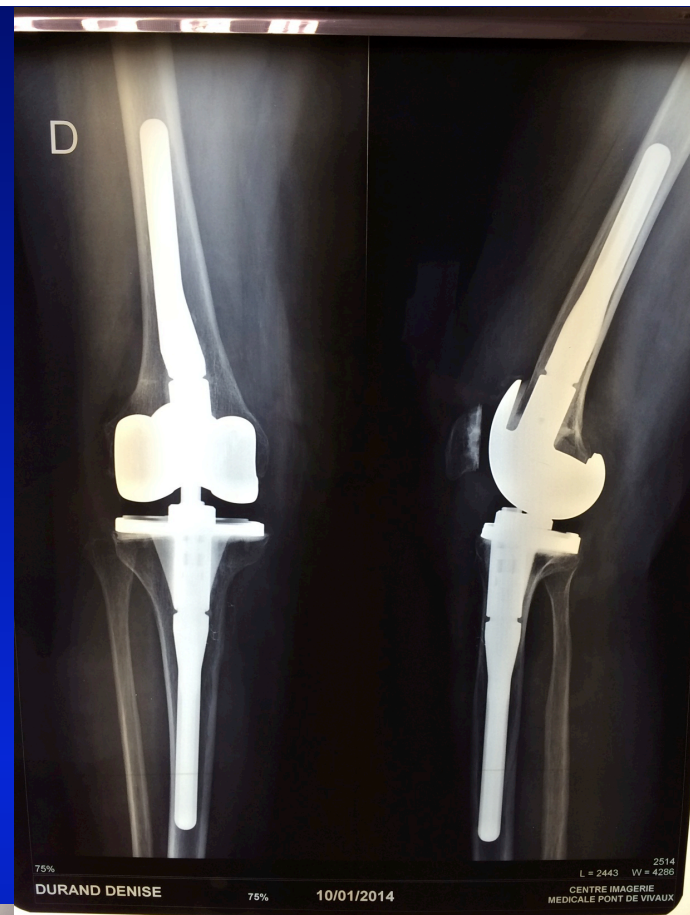


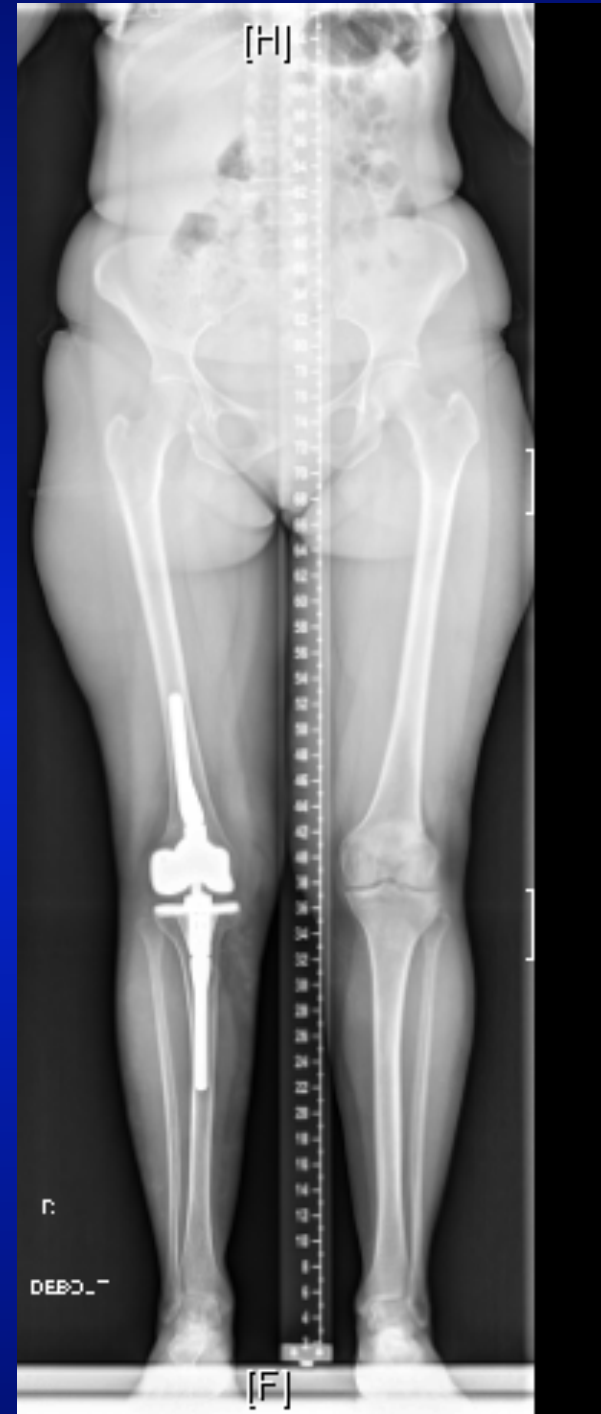
Ligaments  
competent  
but limited  
reducibility







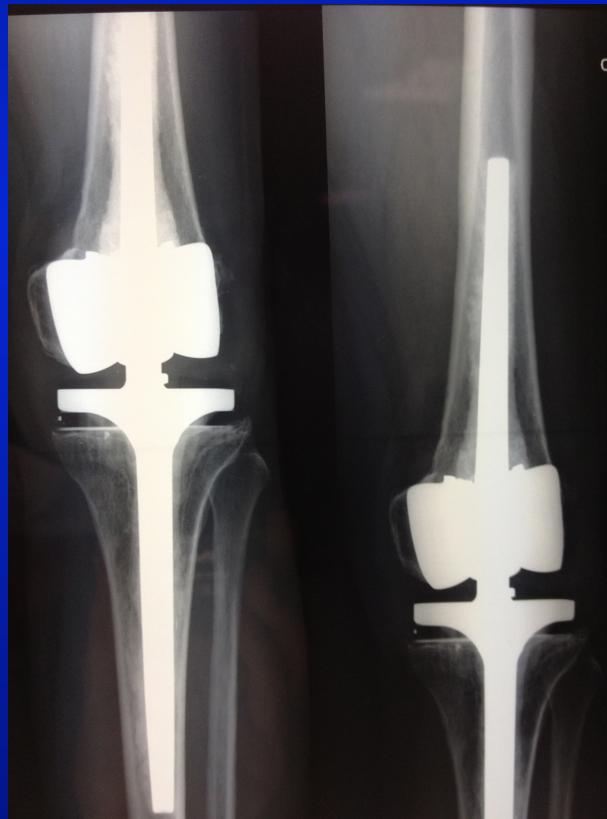






## Case 2 :

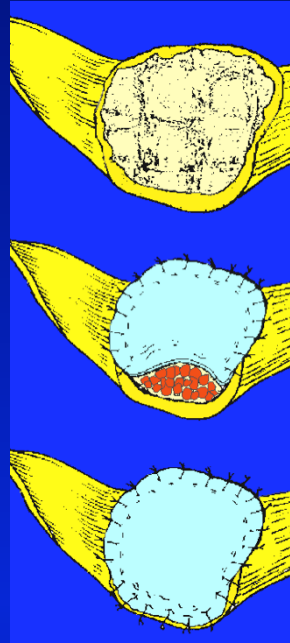
Harmstring and  
Krackow  
Type suture



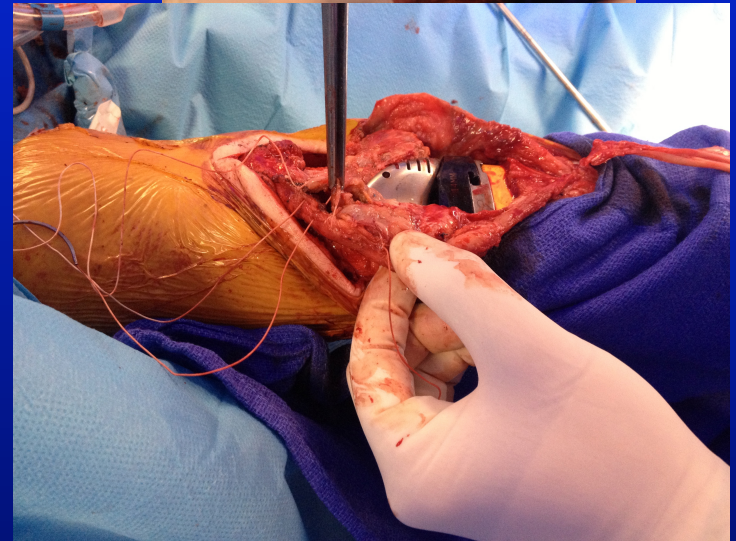


# Bone Graft

## Patellar pocket technique

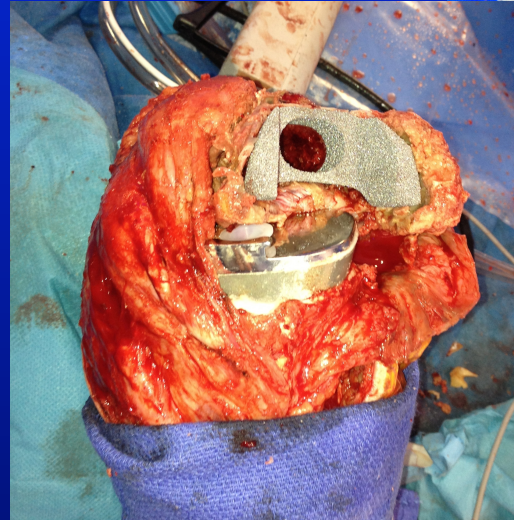
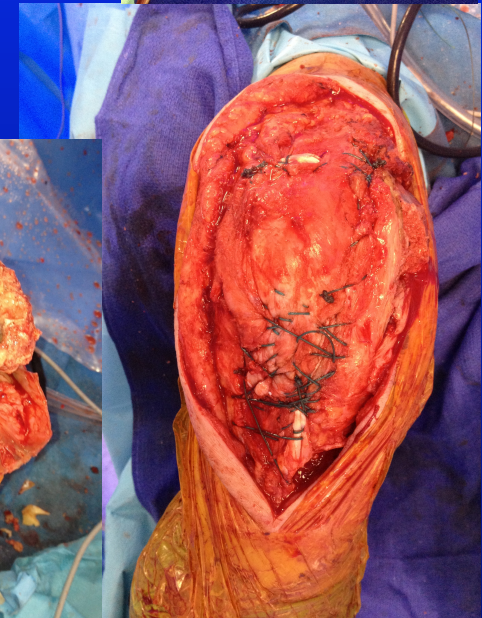
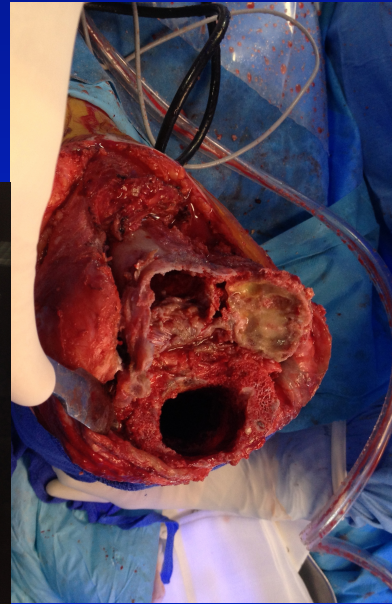
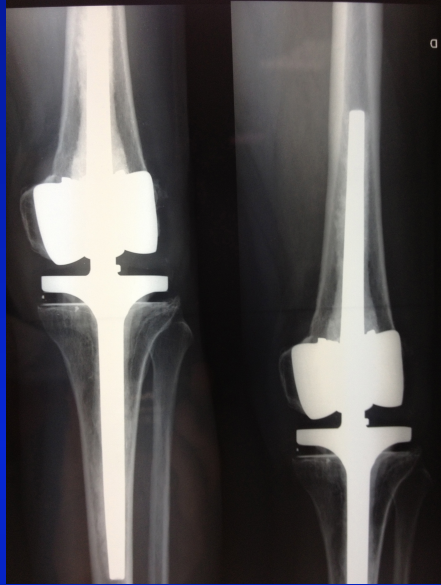


Gail Scuderi



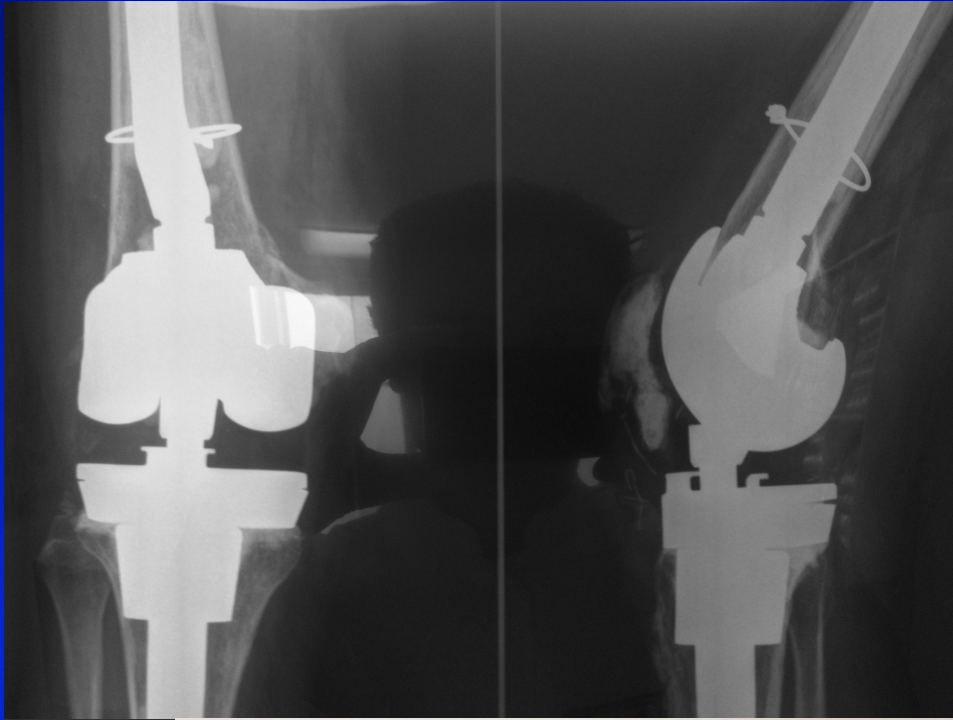


# Extensor mechanism reinforcement



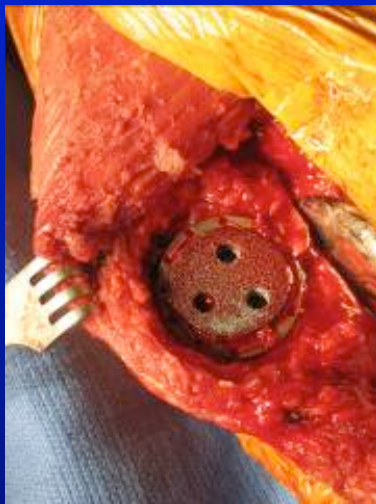
Harmstring and  
Krackow  
Type suture



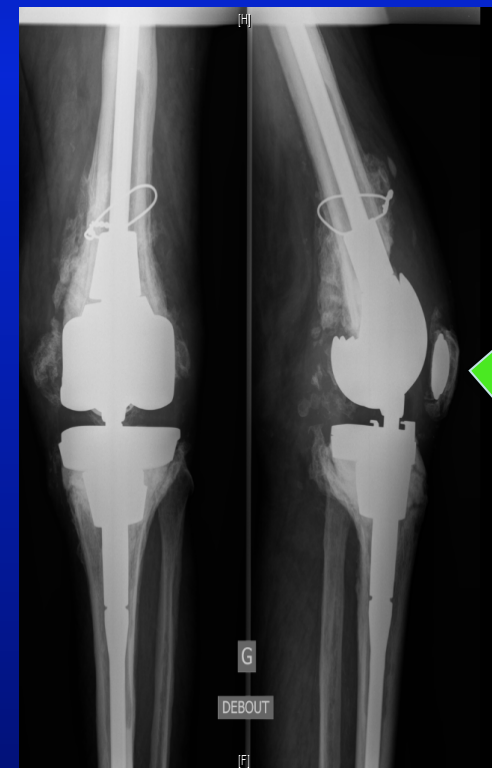




# Case 3



Need some  
bone



# The best is to preserve the bone stock

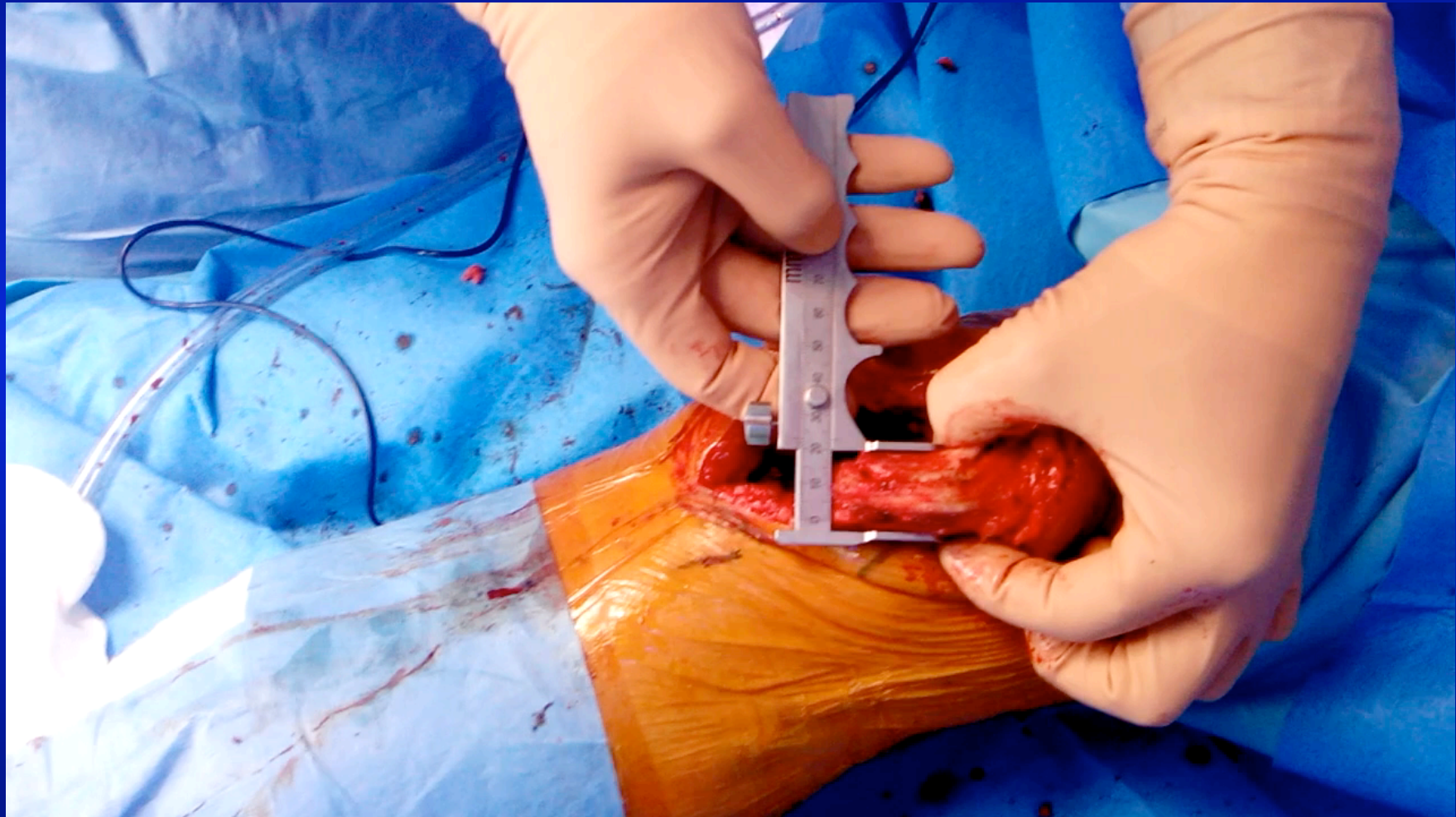
Cut just enough but not too much

Patellar tracking : « bobsleig sign »

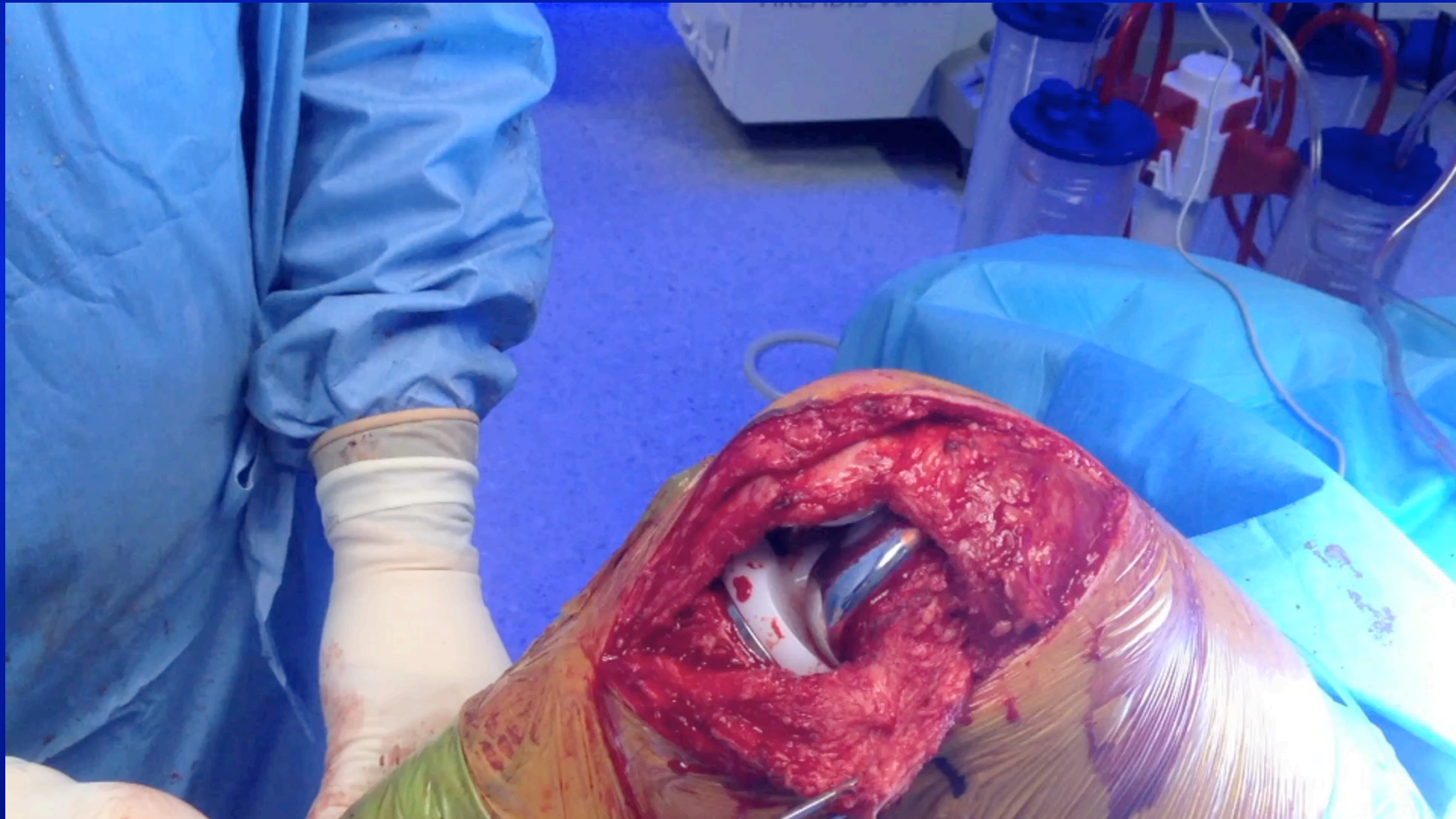




# if you do it: Technique



# Intra-operative control of the tracking



# Conclusion

- Interresting solution
- Not easy=> be prepared
- Patient participation
- Keep as much bone as possible