



8th Advanced Course on Knee Surgery

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Special case Osteotomy Plus arthroplasty

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Case 1

- 65 Male
- Retired Police man
- Bil knee pain
- right knee worse than left
- Varus 40 degree
- ROM 0- 145



Case 1



1) Osteotomy first then TKA



2) Osteotomy + TKA



3) Osteotomy and UKA



Solution ?

Case 1



Case 1





CASE 2

- 56 Y/o female
- H/O trauma in childhood deformity
- Osteotomy & Osteomyelitis
- Knee pain
- Affecting ADL
- O/E:
 - Valgus 21 degree
 - ROM 0-135
 - MCL mild laxity
- ESR and CRP normal



Deformity Analysis

- 21 valgus
- 18 flexion
- IR 10 degree
- LDFA 72
- MPTA 90



1) Osteotomy first then TKA



2) Osteotomy + TKA



Solution ?

3) Intra- Articular
correction

4) Osteotomy UKA



5) Choice of Implant?

Post op



Post op

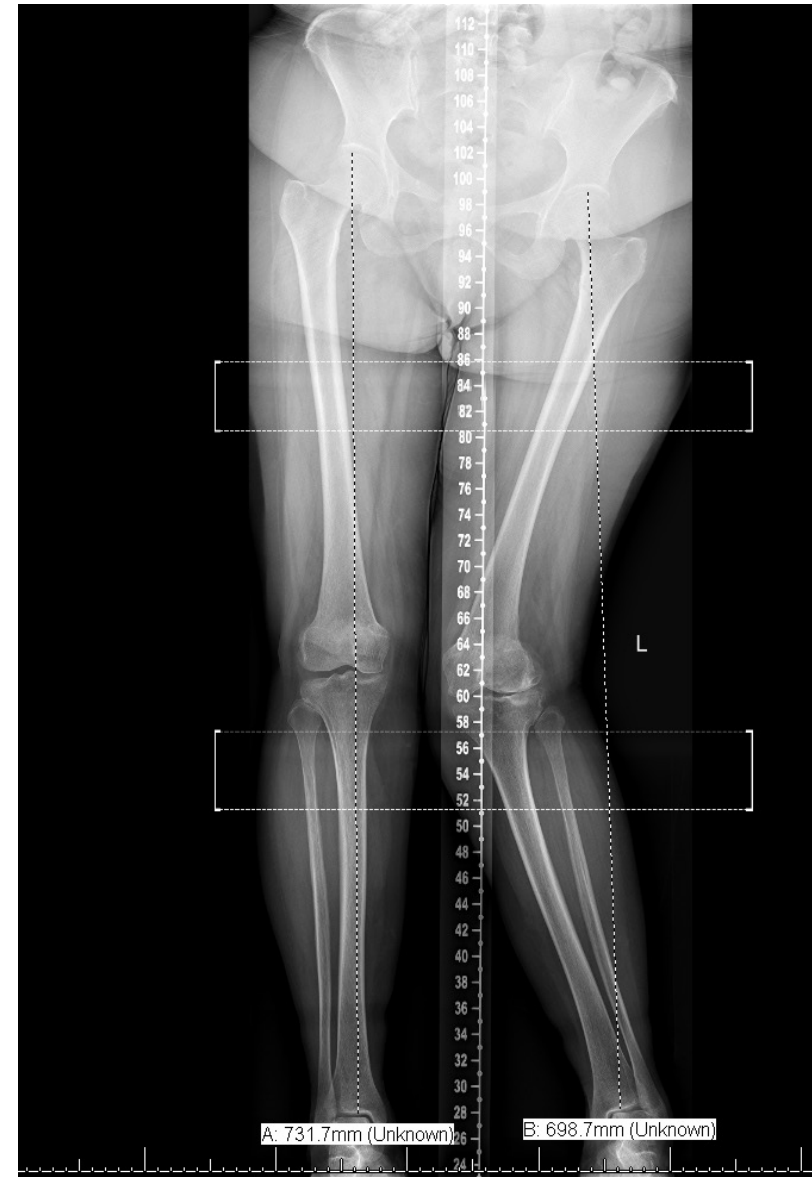


6 months follow up



Case 3

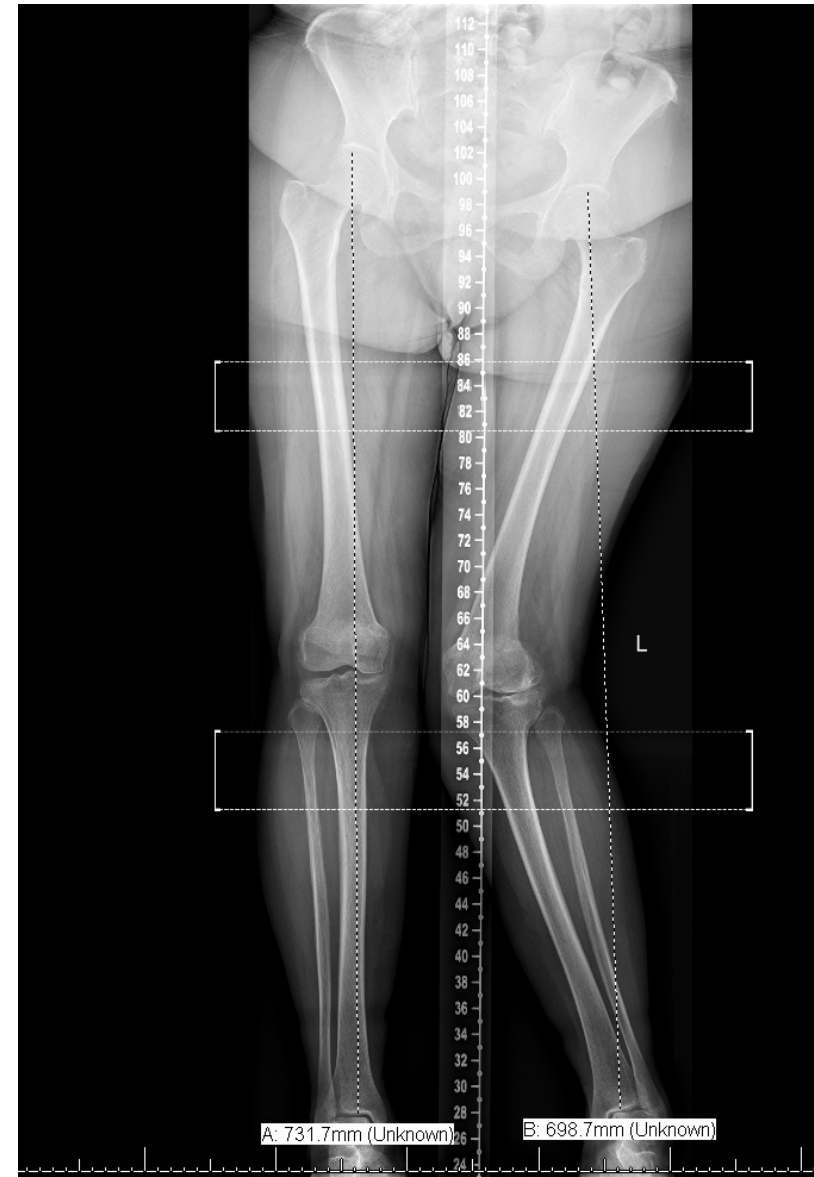
- 60 Y/o Female
- Severe pain
- Knee instability
- Failed non operative treatment
- O/E:
 - Valgus 34 degree
 - Significant Laxity MCL





Choice of implants

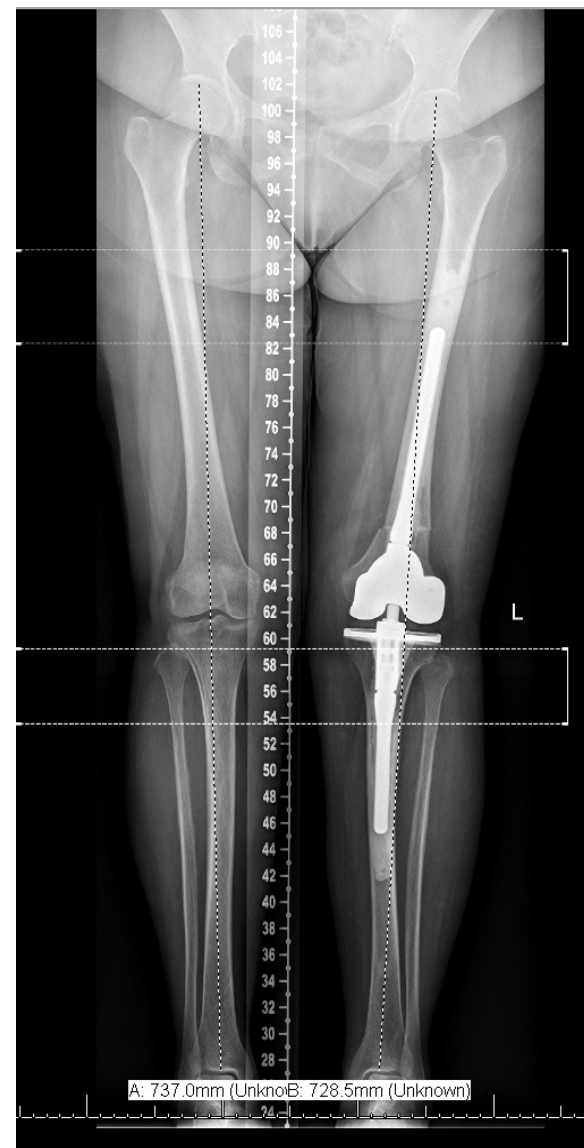
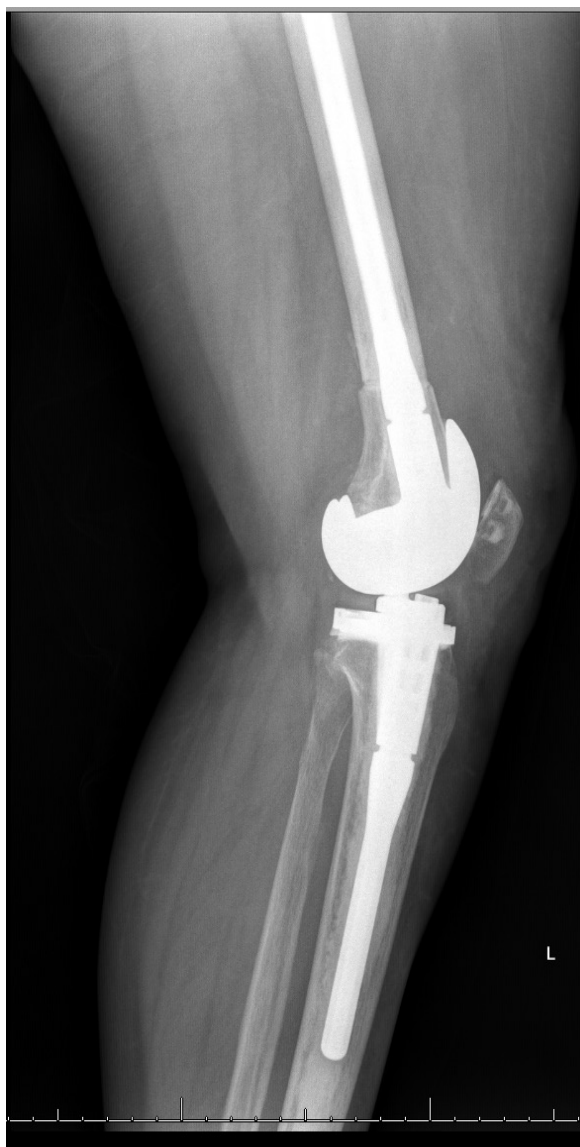
- PS
- LCCK
- RHK



RHK (laxity of MCL) with osteotomy fixed by the stem



X-RAY AT 3 MONTHS



Case 4

Male
Skydiving instructor
61 years old
BMI 22

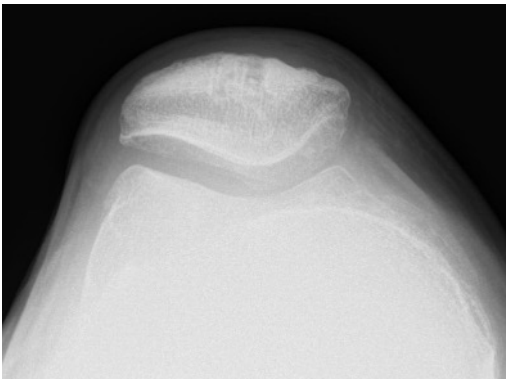
Right knee history :
ACL 1996
rACL + HTO 2011

Clinical examination :
- Valgus 0,5 cross finger
- Lachman hard end-point
- Isolated medial pain
- ROM 0/0/130



X-Ray

- HKA 190 °
- LDFA 85 °
- MPTA 97°



MRI :

- Normal lateral and FP compartment
- Normal ACL

1) Nothing : pain is in the head



2) Knee infiltration



3) UKA + HTO



4) TKA



Solution ?

1) Nothing : pain is in the head



2) Knee infiltration



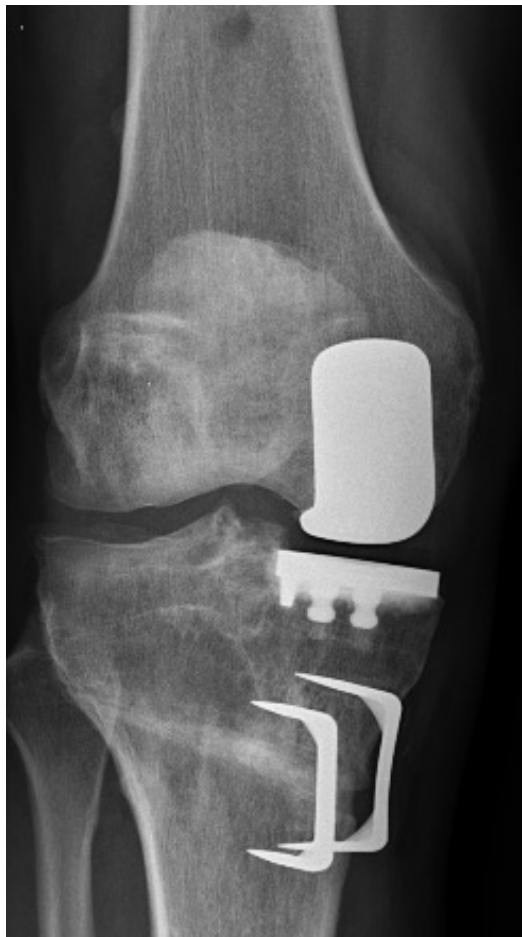
Solution ?

3) UKA + HTO



4) TKA





Take home message

- **Osteotomy and arthroplasty UKA or TKA is challenging**
- **Preoperative planning is key**
- **Could be done staged or at one stage**
- **What you know best**
- **What you can do best**
- **What are your resources**
- **What is that the patient need / demand**

THANK YOU

