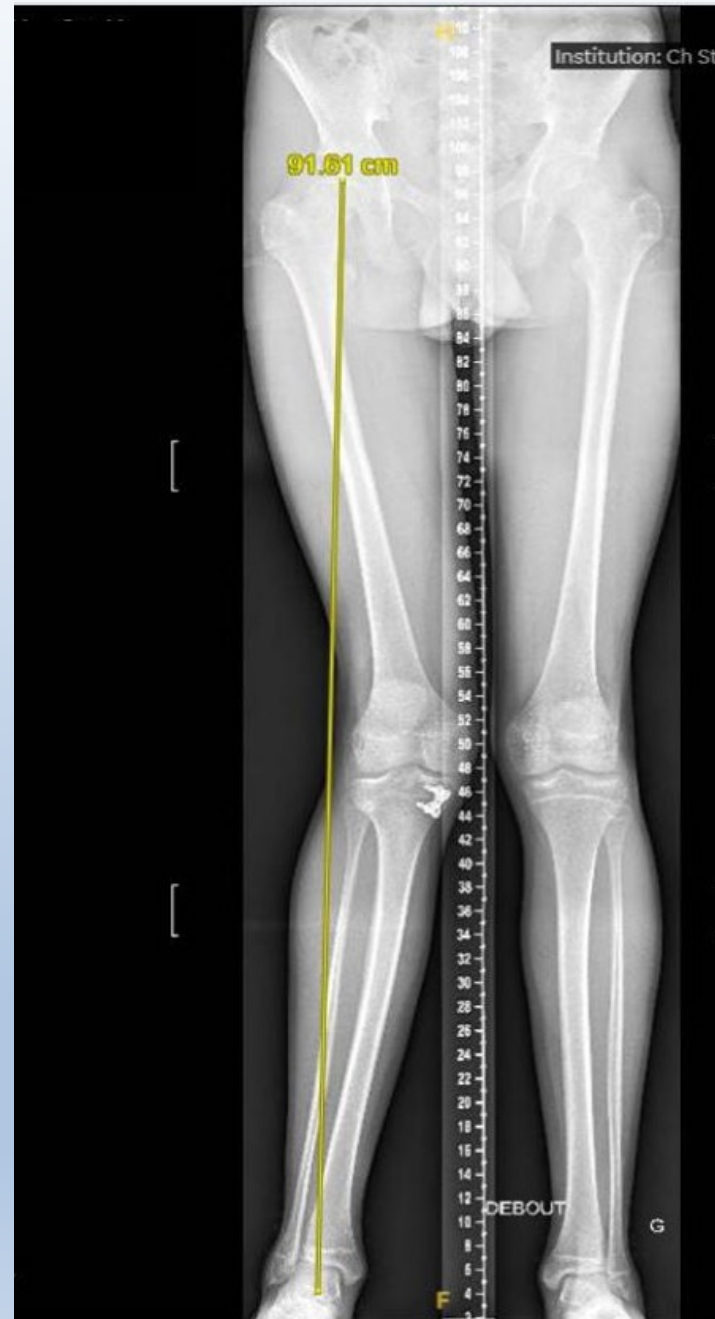
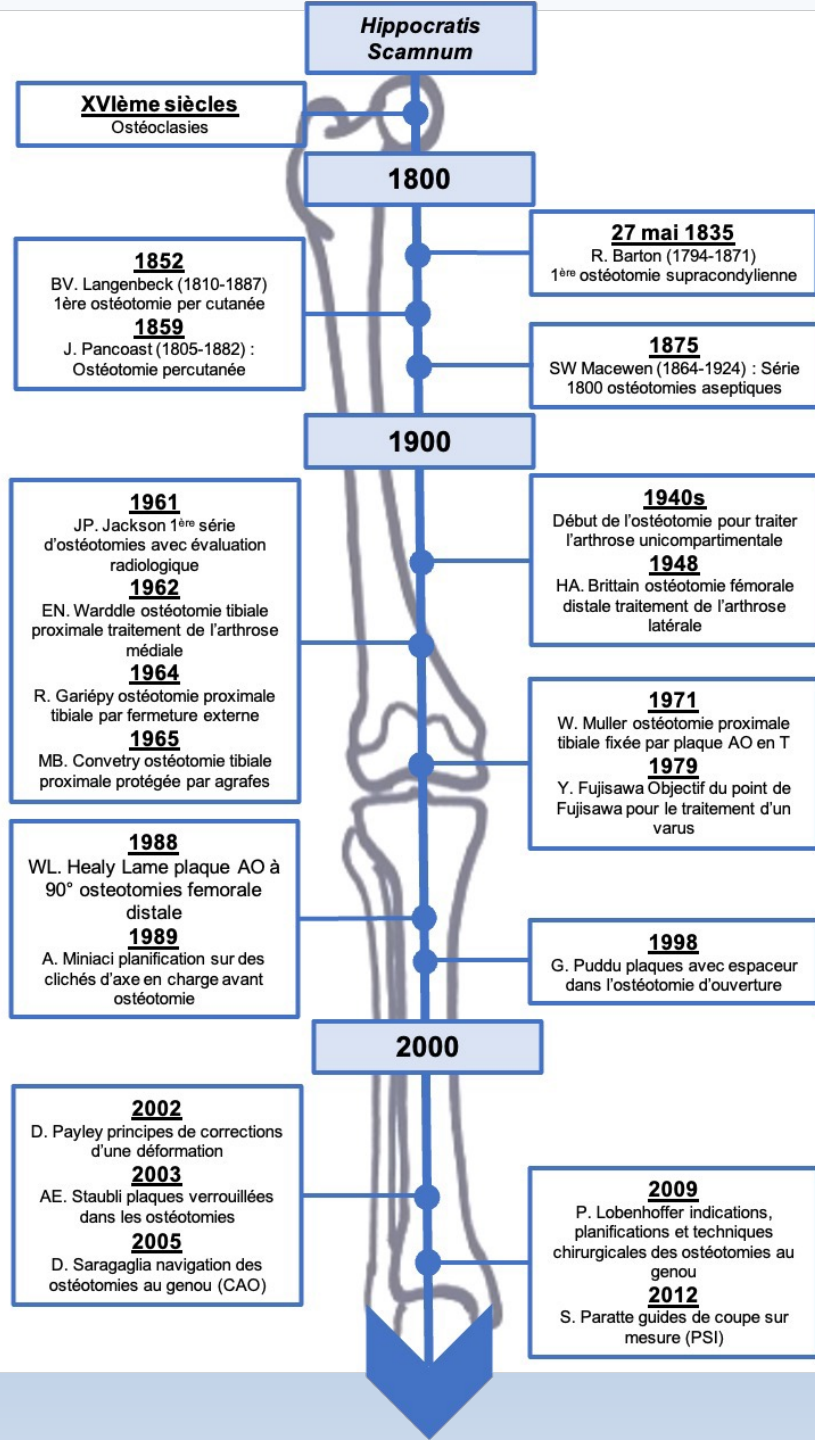


MASSIVE VALGUS KNEES

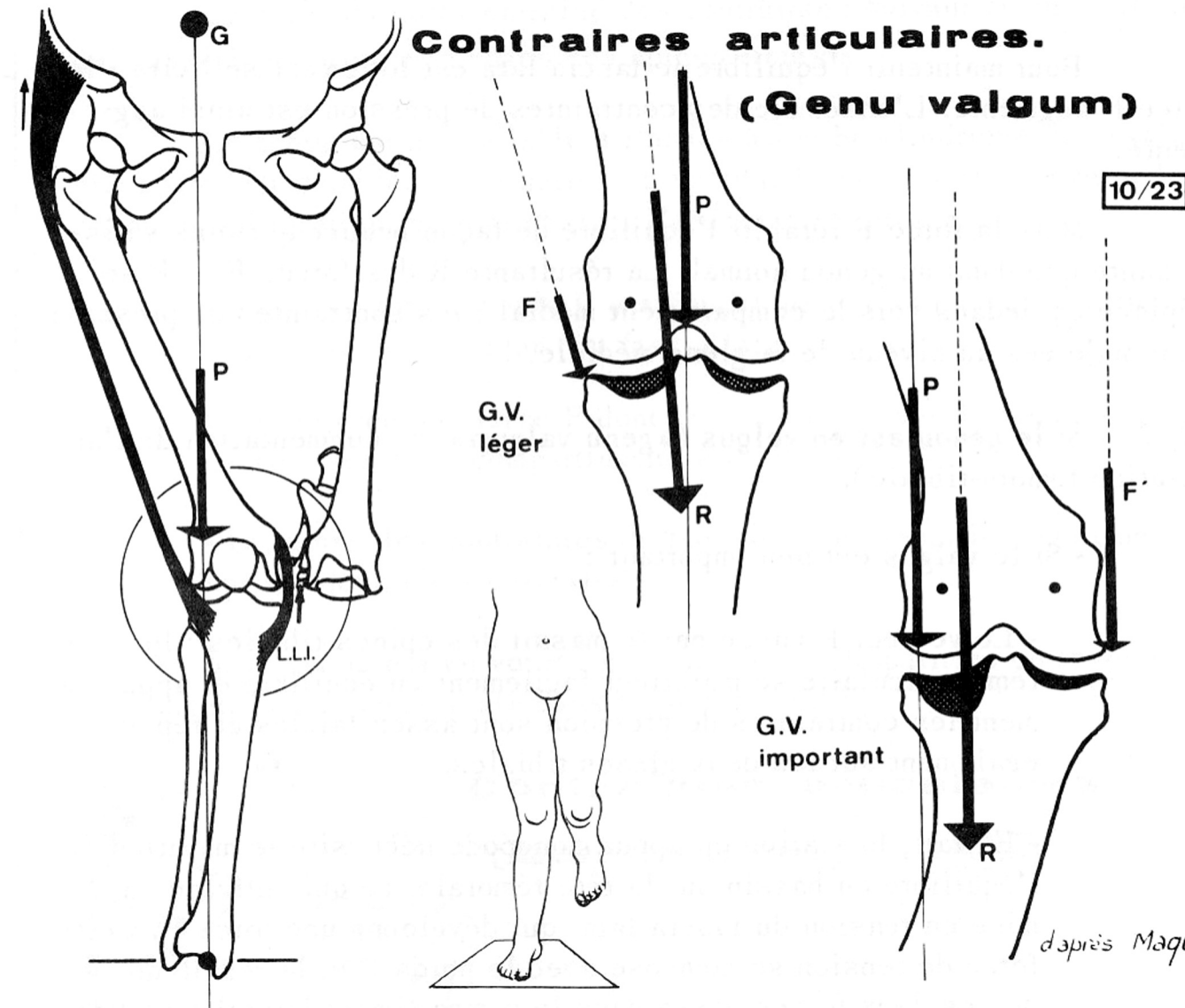
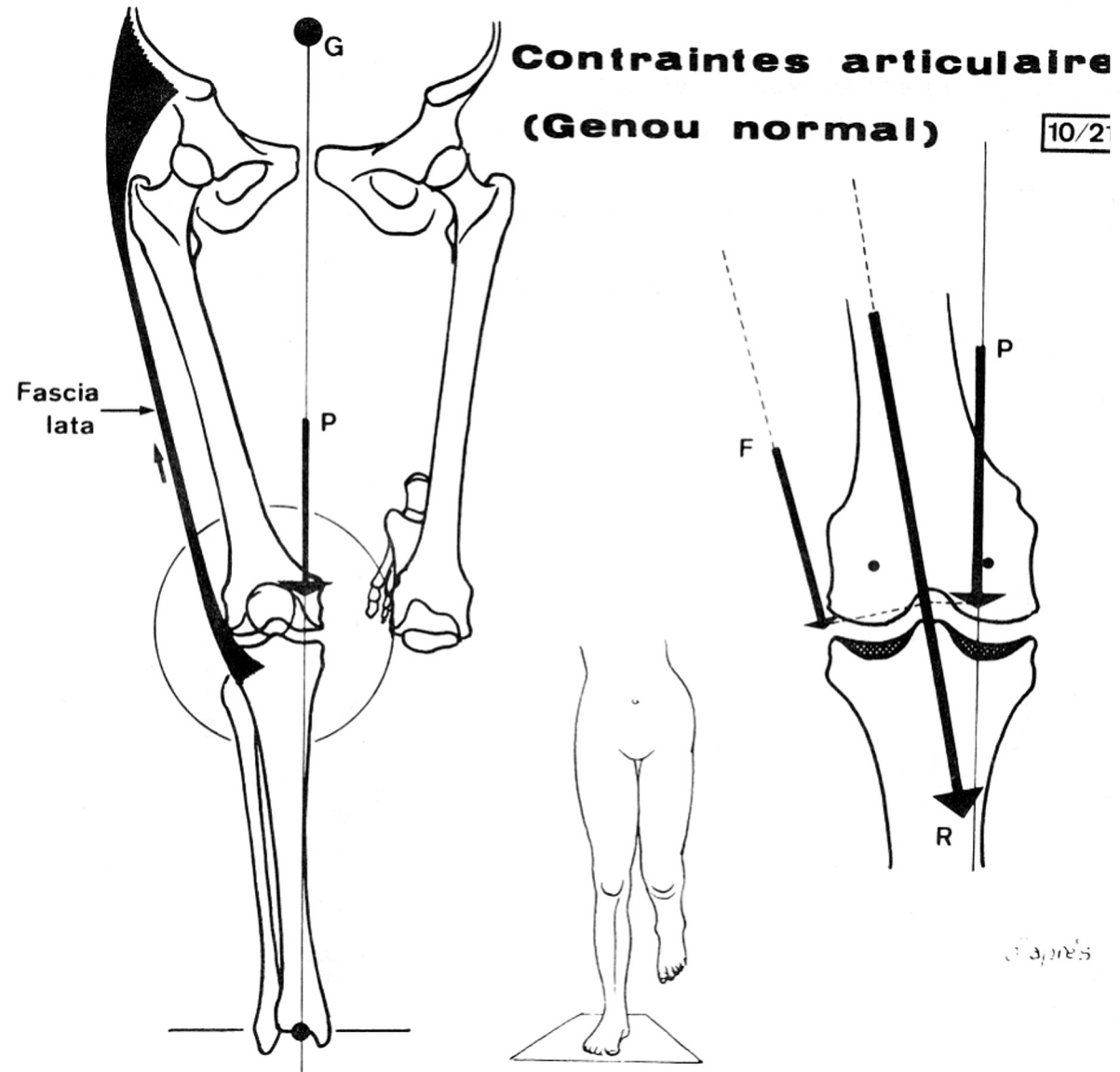


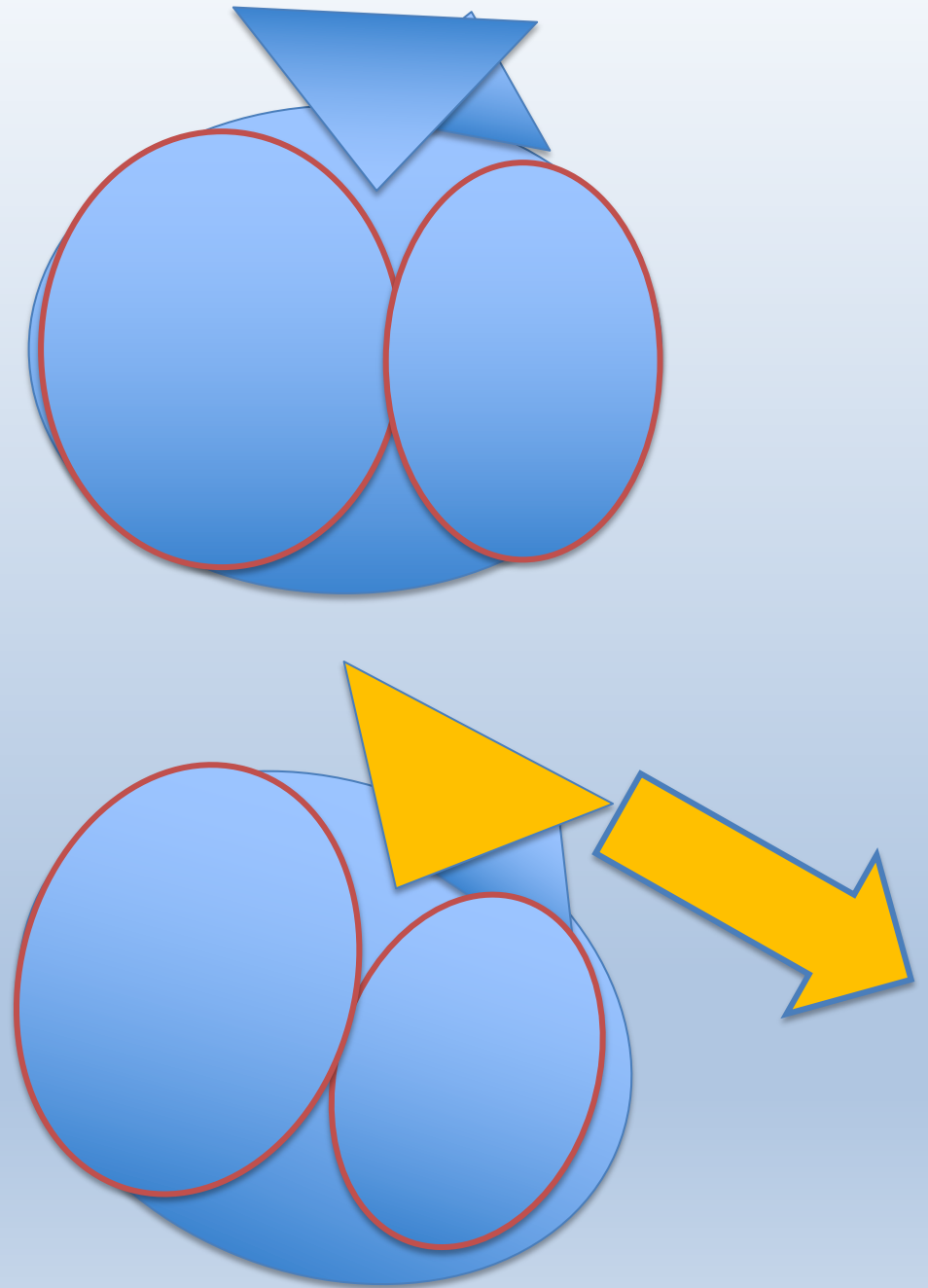
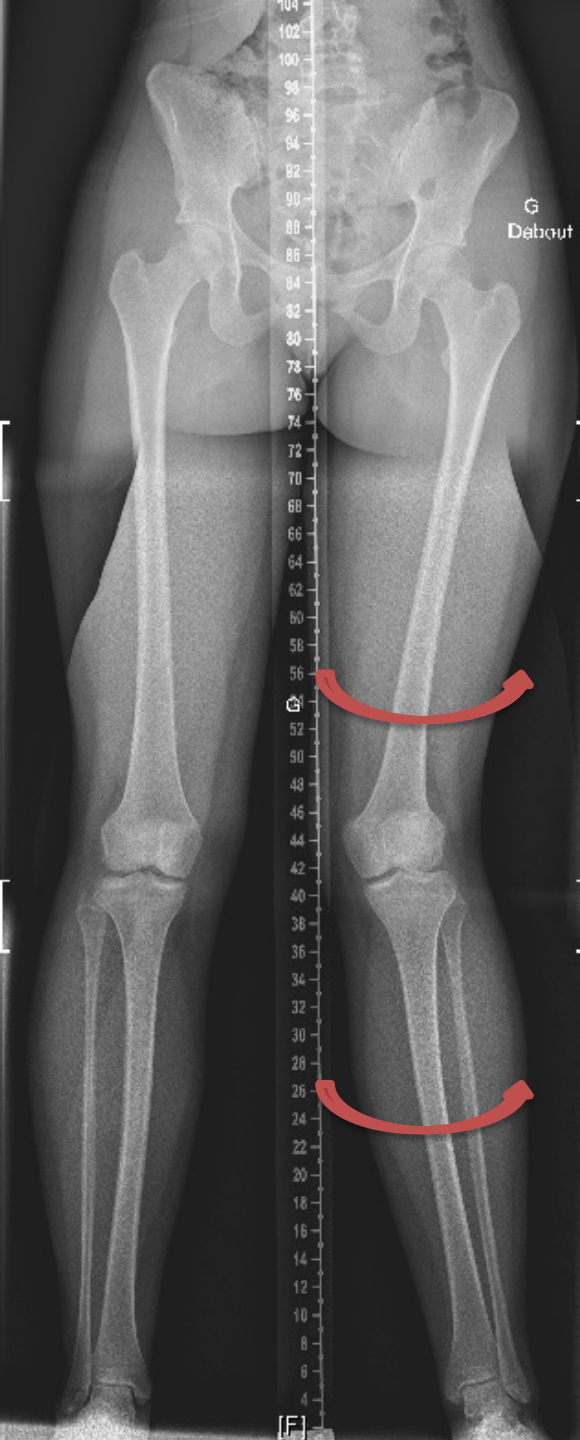
Institut du Mouvement et de l'appareil Locomoteur





Introduction (Maquet)





INDICATION

Make it easy :

KO Is indicated when

There is a **mechanic**

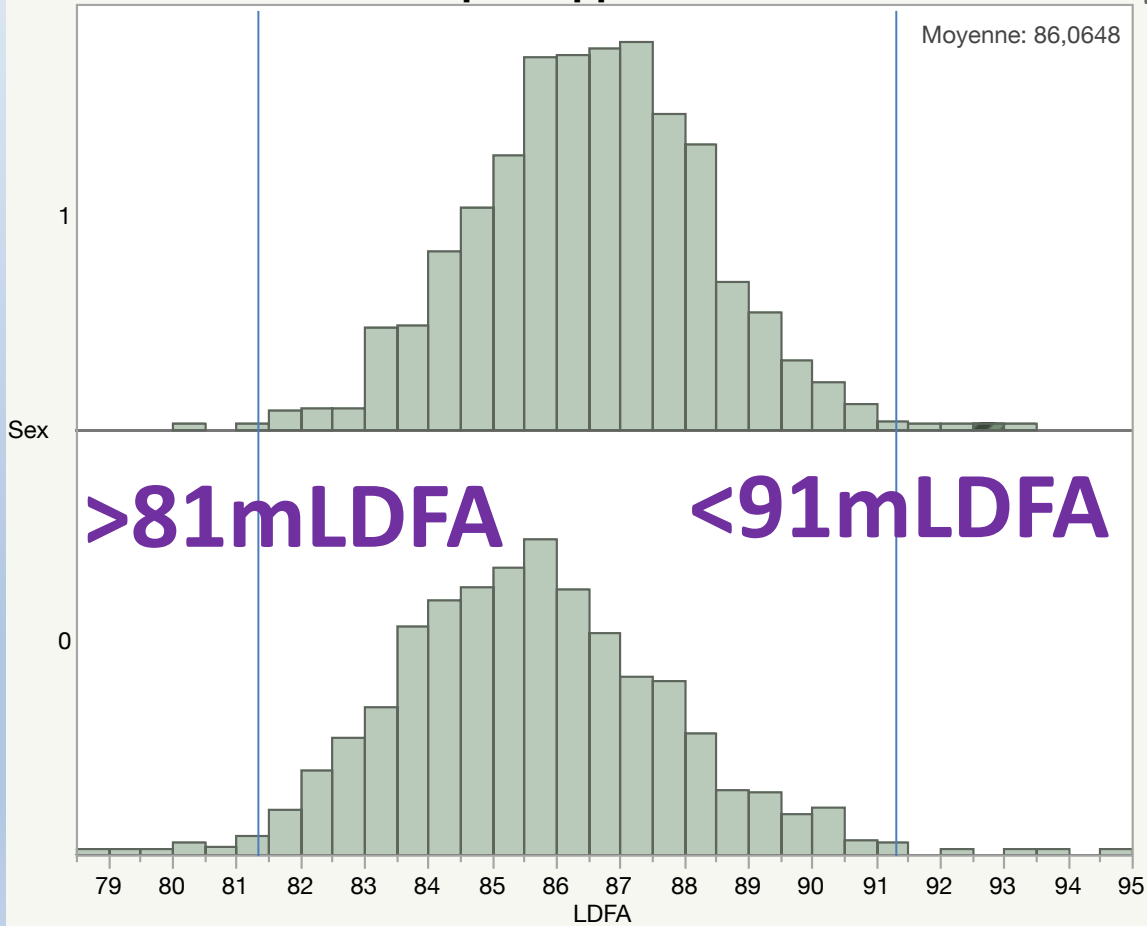
That's origin

**KO IS INDICATED IN
SUBSTANTIAL EXTRA-A DEFORMITY
WITH INTRA-A PAIN !**

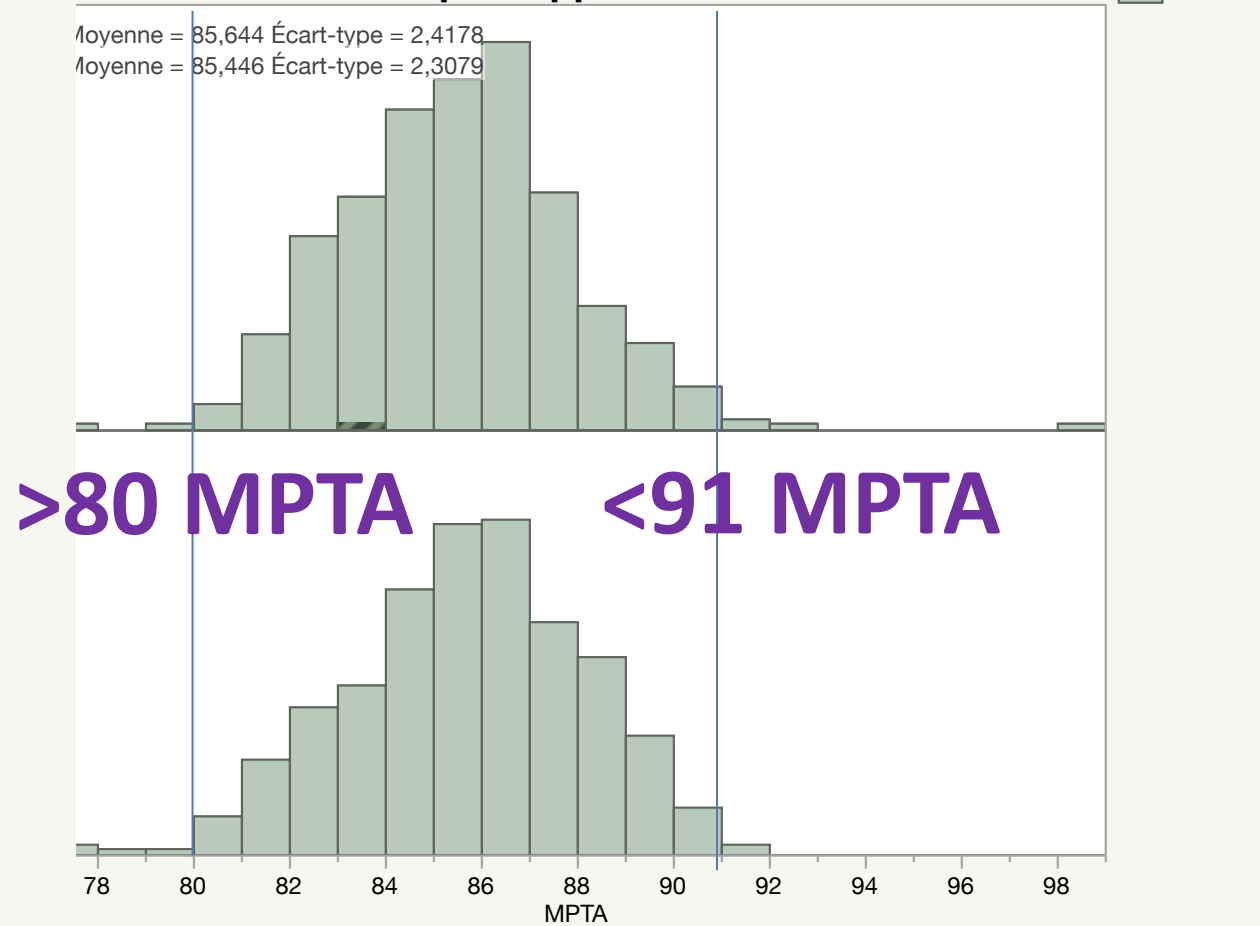
ally outside of the joint

What is NORMAL ?

LDFA par rapport à Sex



MPTA par rapport à Sex

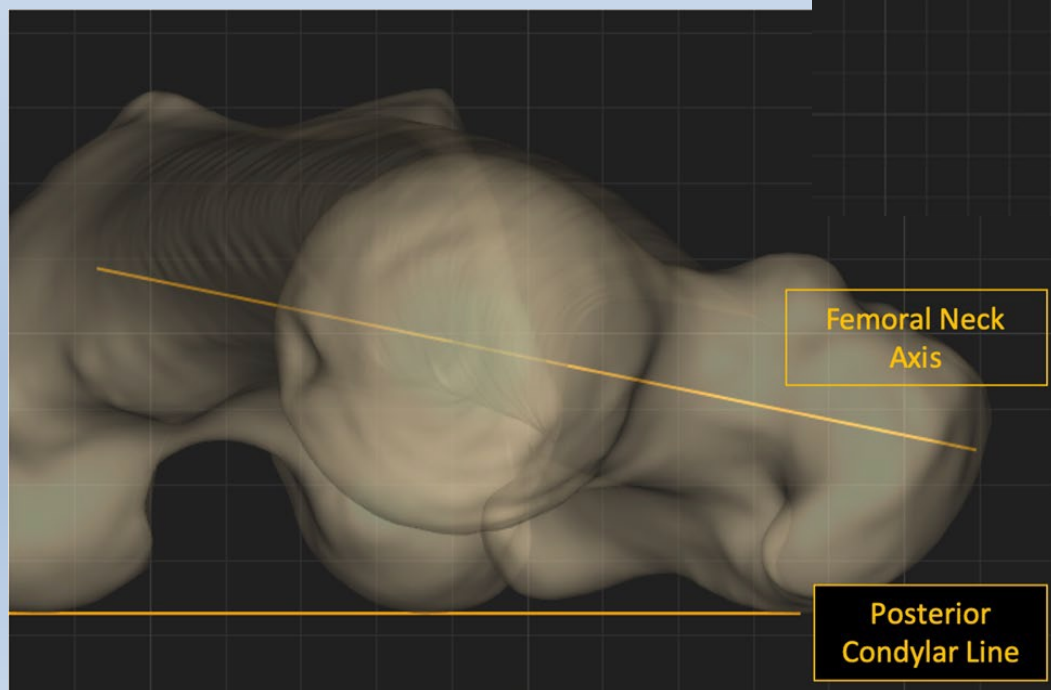
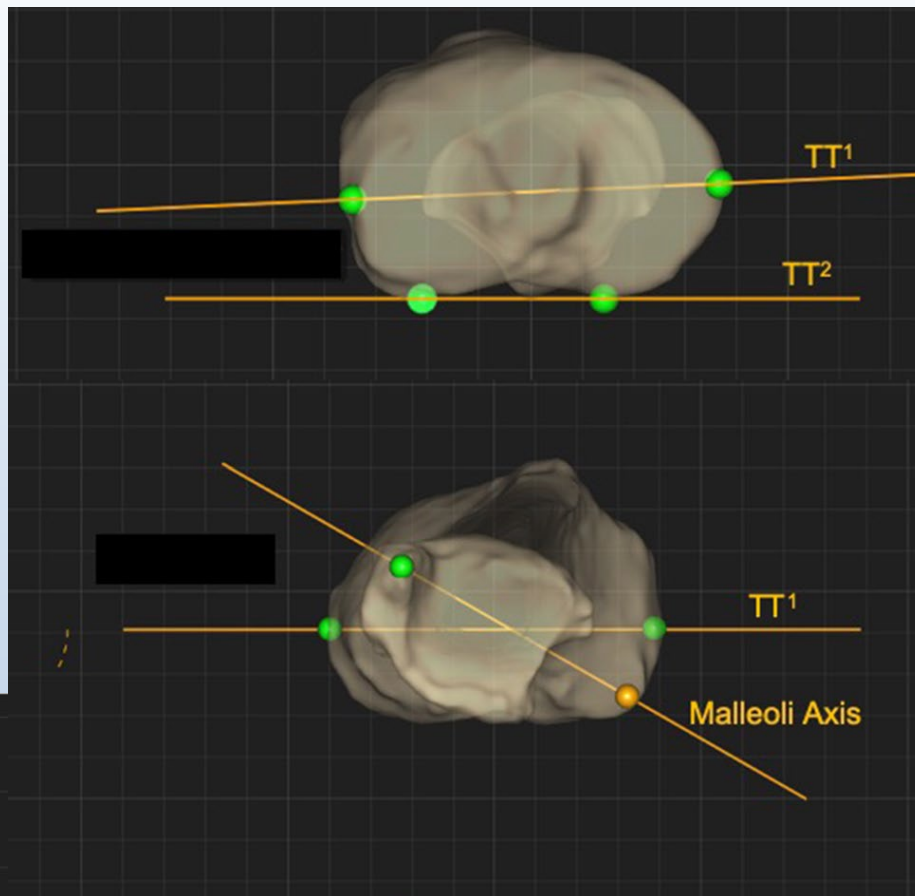


Healthy middle-aged Asian and Caucasian populations present with large intra- and inter-individual variations of lower limb torsion

P. Mathon, G. Micicoi, R. Seil, B. Kacaoglu, S. Cerciello, F. Ahmad, S. Liarno, R. Teitge, Matthieu Ollivier

► To cite this version:

P. Mathon, G. Micicoi, R. Seil, B. Kacaoglu, S. Cerciello, et al.. Healthy middle-aged Asian and Caucasian populations present with large intra- and inter-individual variations of lower limb torsion. *Knee Surgery, Sports Traumatology, Arthroscopy*, Springer Verlag, 2021, 29 (4), pp.1083-1089. 10.1007/s00167-020-06096-0 . hal-03176972



Anatomic parameter (°)	Males (SD)	Females (SD)	Difference (CI 95%)	p value
FNV	11.6 (6.6)	18.5 (10.5)	- 6.9 (- 8.7; - 5.1)	<0.0001
TT1	31.2 (5.7)	31.9 (6.7)	- 0.7 [- 1.9; 0.5]	n.s

Planning

- **Ideal Correction**

- *Correct the Def Where it is*

- *no > JLO*

- *Normo-correct*

- *No compromise*

- **FACTAM**

- Simultaneous MPFL
- FACTAM rules
- better healing
- Faster recovery

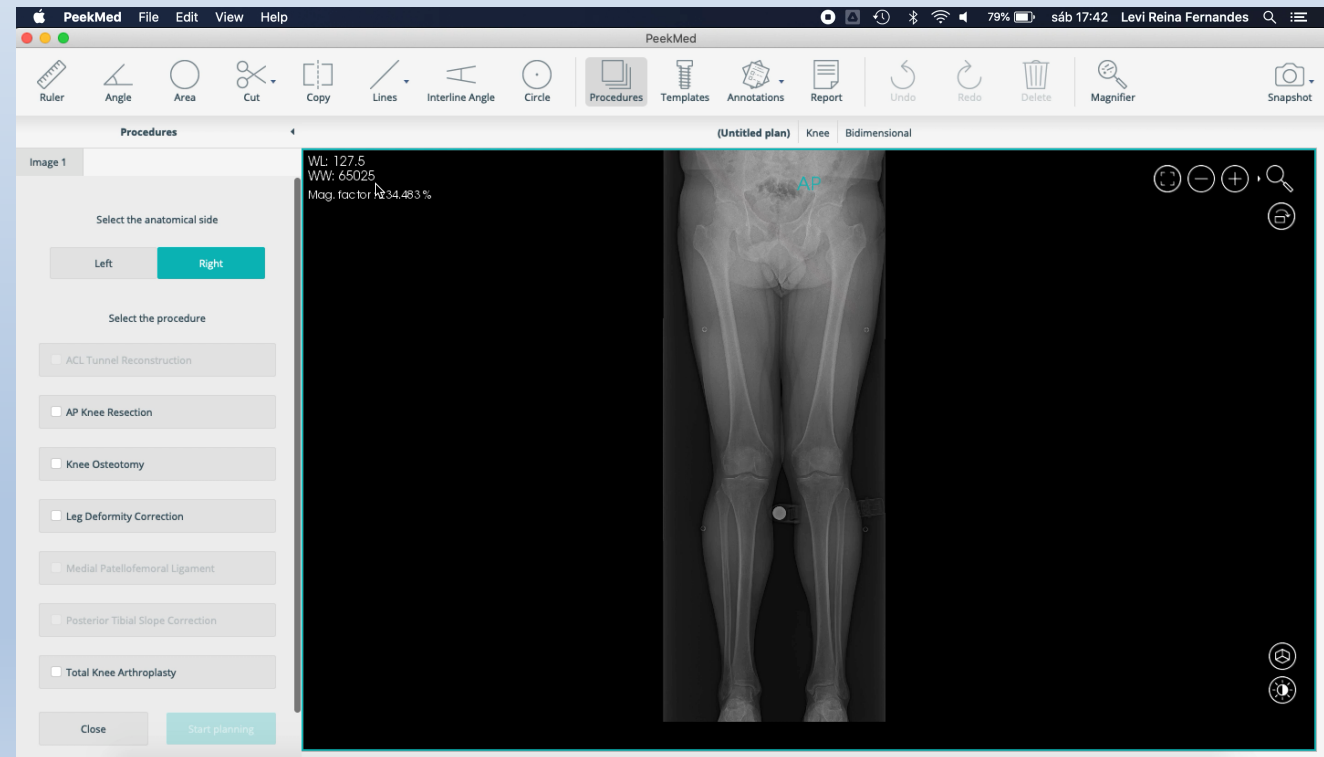
> [Knee Surg Sports Traumatol Arthrosc.](#) 2023 Sep;31(9):3992–3999.
doi: 10.1007/s00167-023-07449-1. Epub 2023 May 7.

In closed wedge distal femur osteotomies for correction of valgus malalignment overcorrection of mL DFA should be avoided

Steffen Schröter¹, Christian Konrads^{2,3}, Marco Maiotti⁴, Moritz Mederake⁵,
Cornelius Fischer⁵, Marc Ahrend⁵, Daniel Schüll⁶

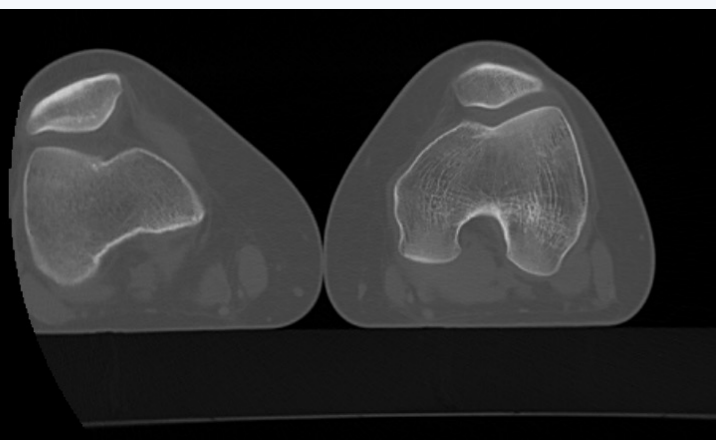
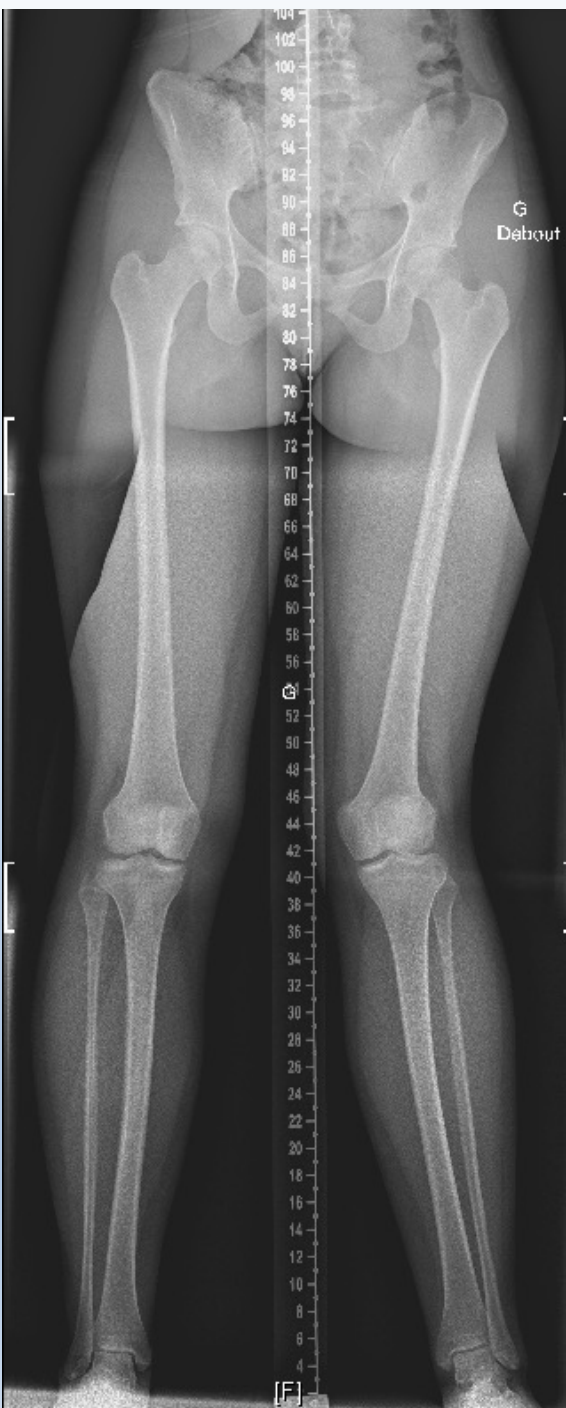
Affiliations + expand

PMID: 37149824 DOI: 10.1007/s00167-023-07449-1



Surgery ?





CASE 1

mLDfA = 76°

MPTA = 88°

AV $^\circ$ = 35

TTE = 31°

KNEE



Neutral alignment resulting from tibial vara and opposite femoral valgus is the main morphologic pattern in healthy middle-aged patients: an exploration of a 3D-CT database

Grégoire Micicoi^{1,2,3} · Christophe Jacquet^{2,3} · Akash Sharma^{2,3} · Sally LiArno⁴ · Ahmad Faizan⁴ · Kristian Kley^{2,6} · Sébastien Parratte^{2,3,5} · Matthieu Ollivier^{2,3}

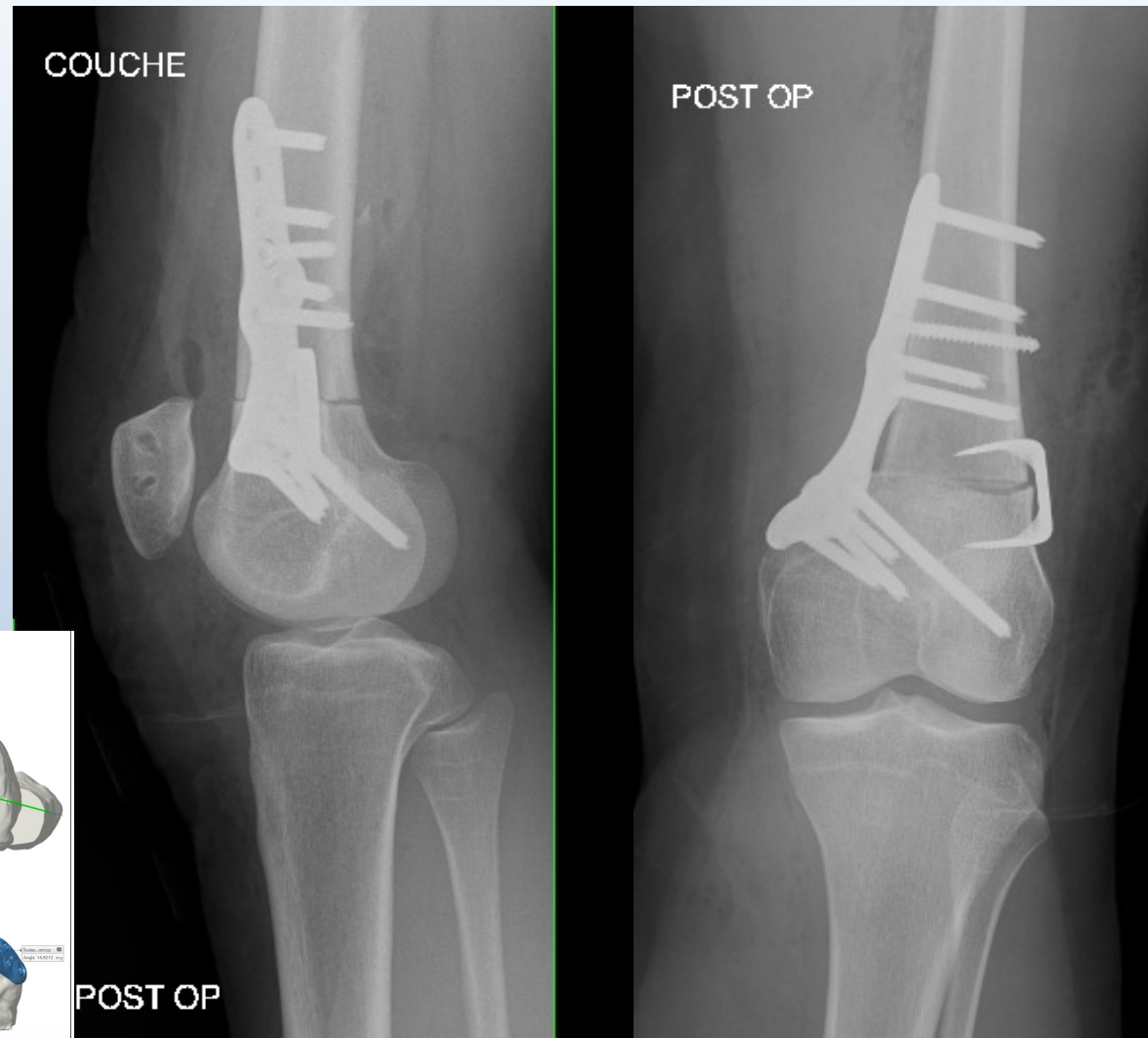
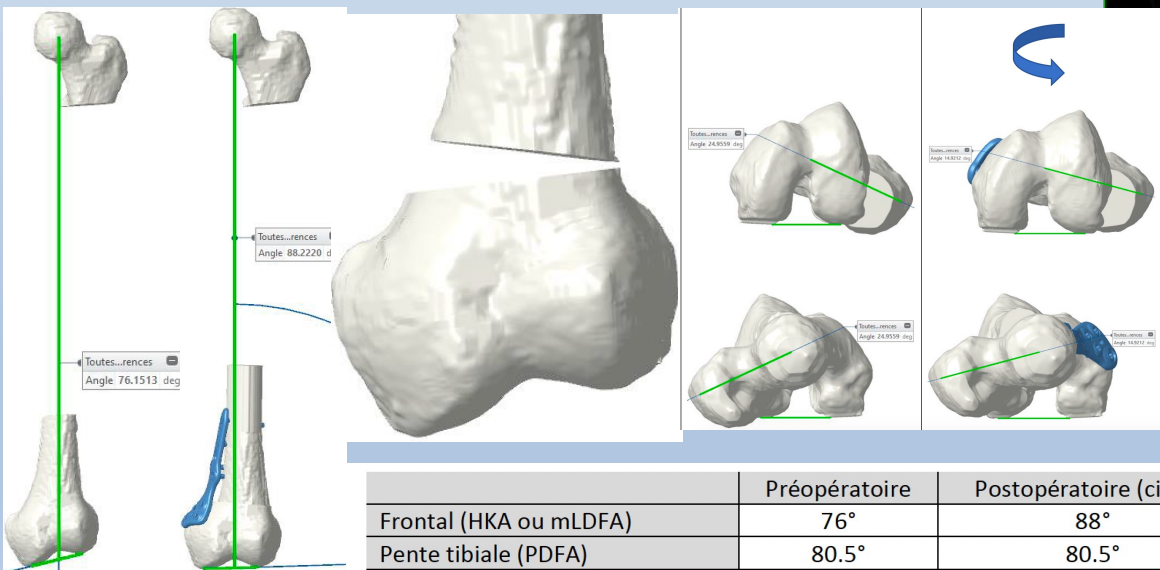
Healthy middle-aged Asian and Caucasian populations present with large intra- and inter-individual variations of lower limb torsion

P. Mathon, G. Micicoi, R. Seil, B. Kacaoglu, S. Cerciello, F. Ahmad, S. Liarno, R. Teitge, Matthieu Ollivier

► To cite this version:

P. Mathon, G. Micicoi, R. Seil, B. Kacaoglu, S. Cerciello, et al. Healthy middle-aged Asian and Caucasian populations present with large intra- and inter-individual variations of lower limb torsion. *Knee Surgery, Sports Traumatology, Arthroscopy*, Springer Verlag, 2021, 29 (4), pp.1083-1089. 10.1007/s00167-020-06096-0. hal-03176972

Plane oblique cut valg > rot



	Préopératoire	Postopératoire (cibles)	Corrections
Frontal (HKA ou mLDFA)	76°	88°	12°
Pente tibiale (PDFA)	80.5°	80.5°	0°
Antéversion fémorale	25°	15°	10°



mLDFA = 81°

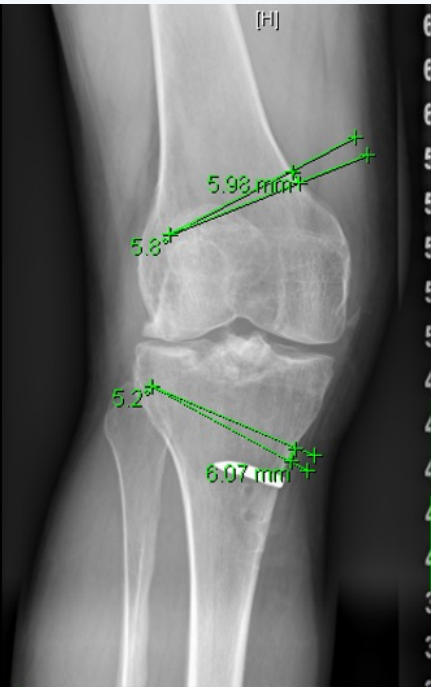
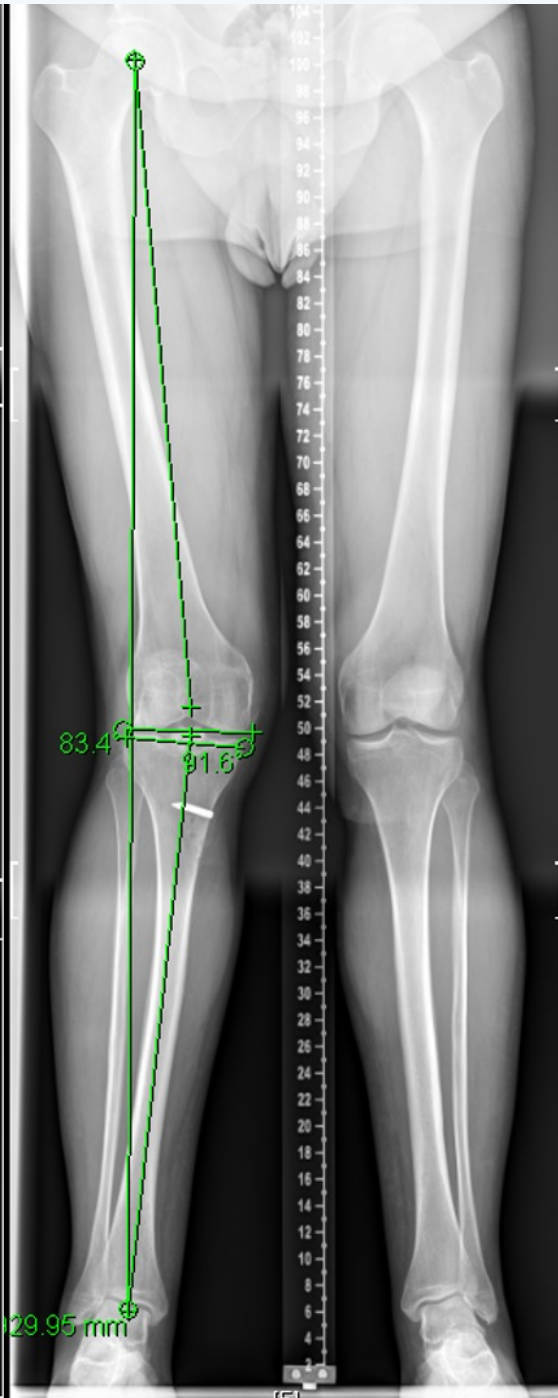
MPTA = 92°

AV $^{\circ}$ = 21°

TTE = 29°

CASE 2







mLDFA = 78°

MPTA = 95°

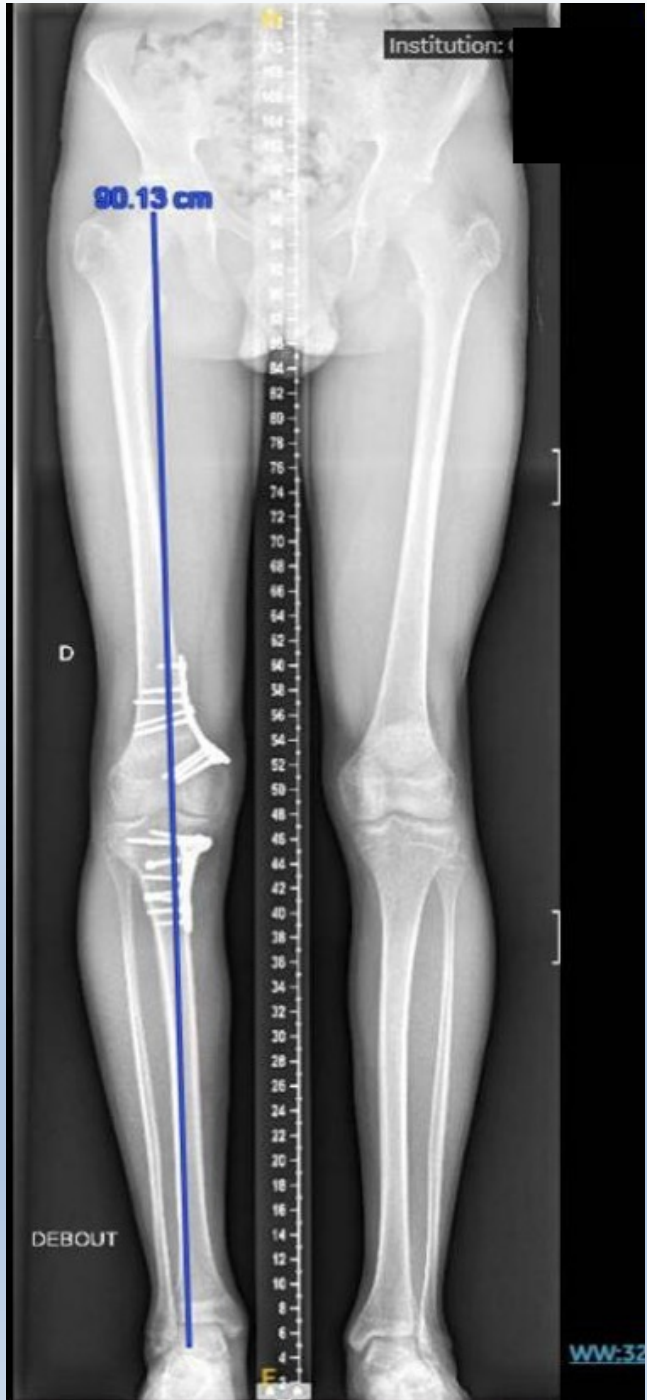
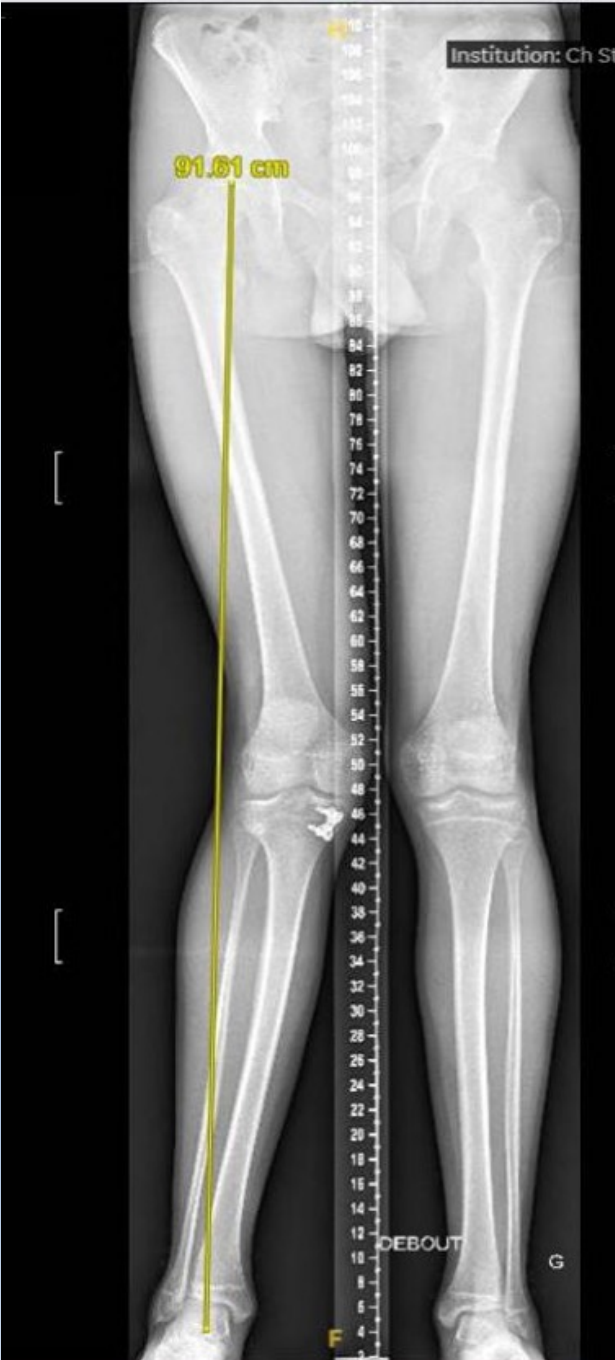
AV $^{\circ}$ = 18°

TTE = 25°

CASE 3









18years old !!

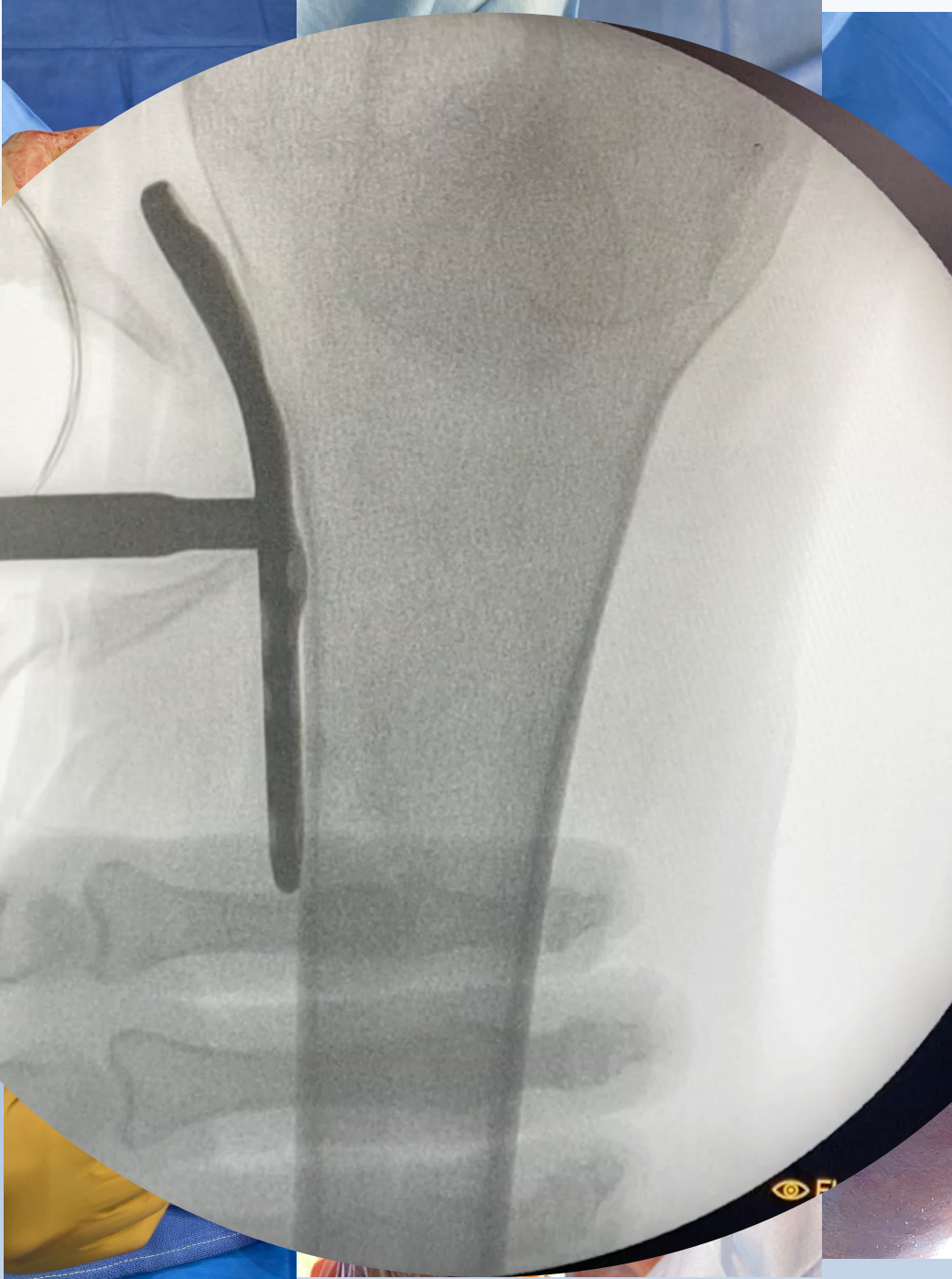
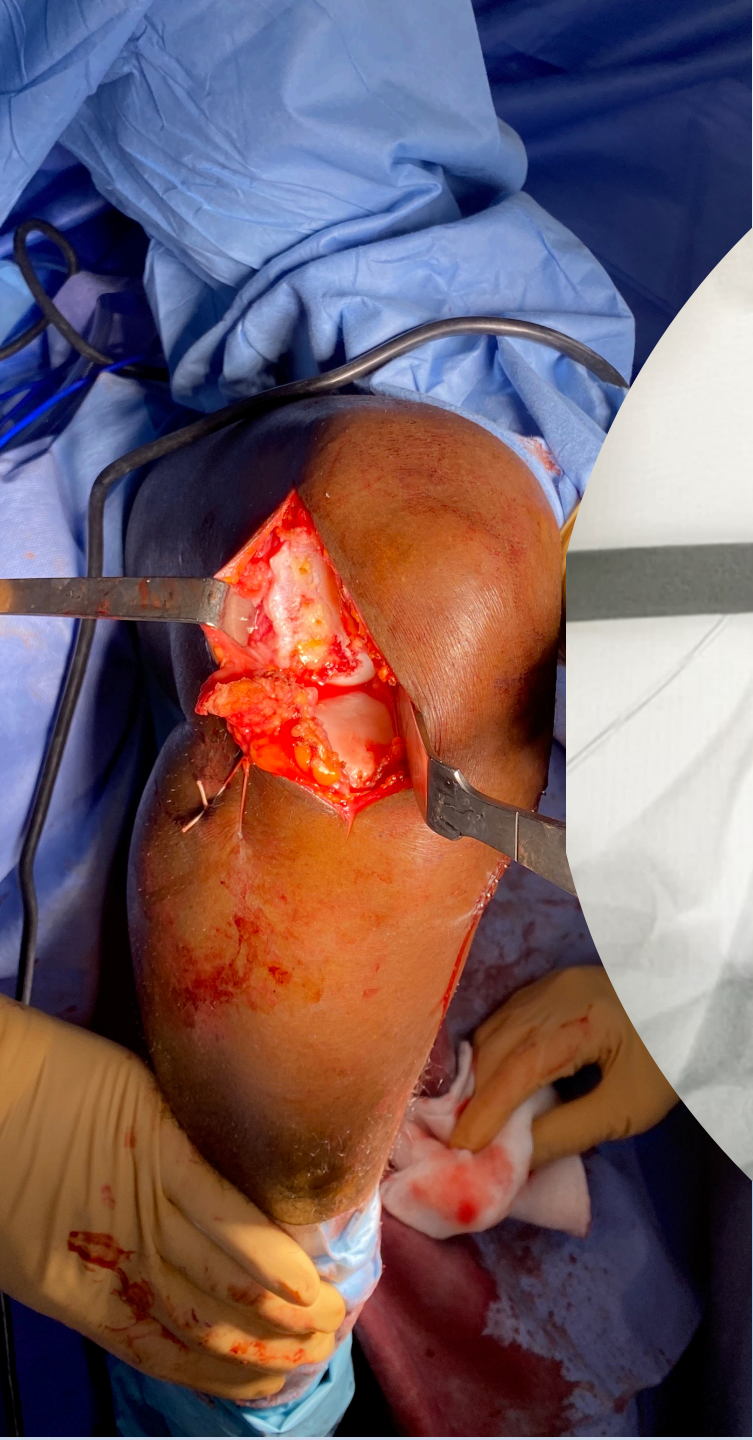
bilateral untreated
OCD

+ massive valgus

OATS + Autocart ?

to avoid allograft (<25 ans)
when OATS is not enough
when there is a problem
to avoid converging plugs





ANY (BAD) QUESTIONS

- PATELLAR HEIGHT
- LLD

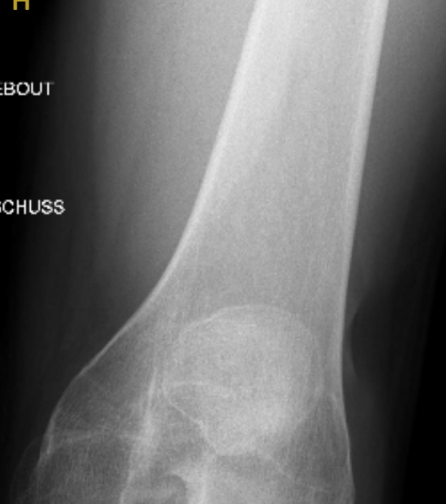
> [Knee Surg Sports Traumatol Arthrosc.](#) 2023 Jul;31(7):3007-3014.
doi: [10.1007/s00167-023-07325-y](#). Epub 2023 Jan 27.

Double-level knee osteotomy accurately corrects lower limb deformity and provides satisfactory functional outcomes in bifocal (femur and tibia) valgus malaligned knees

[Charles Pioger](#)¹, [Ahmed Mabrouk](#)², [Renaud Siboni](#)³, [Christophe Jacquet](#)², [Romain Seil](#)⁴,
[Matthieu Ollivier](#)²

Affiliations + expand

PMID: 36705689 DOI: [10.1007/s00167-023-07325-y](#)



Take home messages

- (No matter what you think) **your training is lacking**
- Femurs never forget
- Carefull patient set-up
- FACTAM
- Step by step
- No pressure
- Protect your hinge





**ICI C'EST
MARSEILLE
BÉBÉ**



matthieu.ollivier@ap-hm.fr