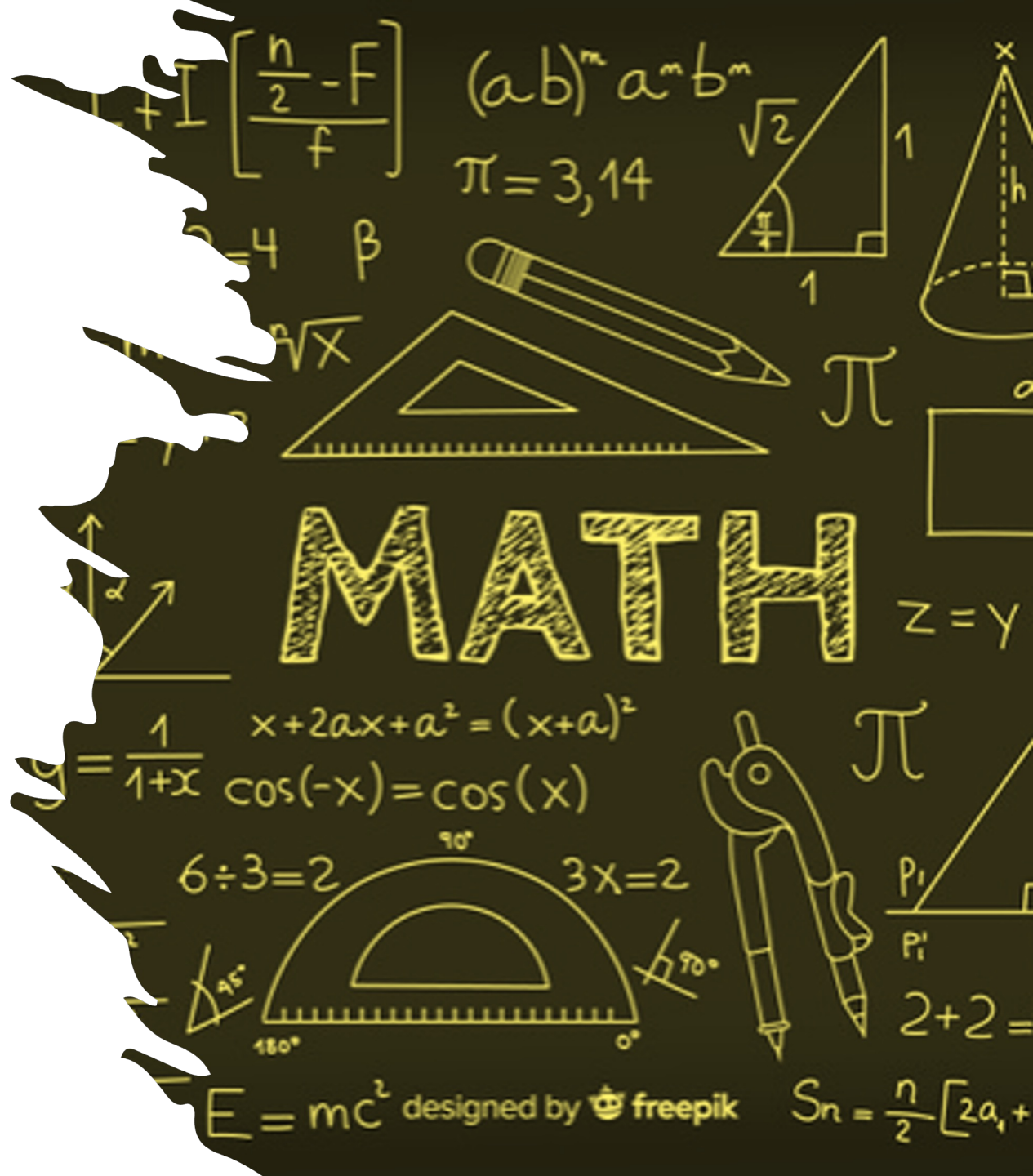
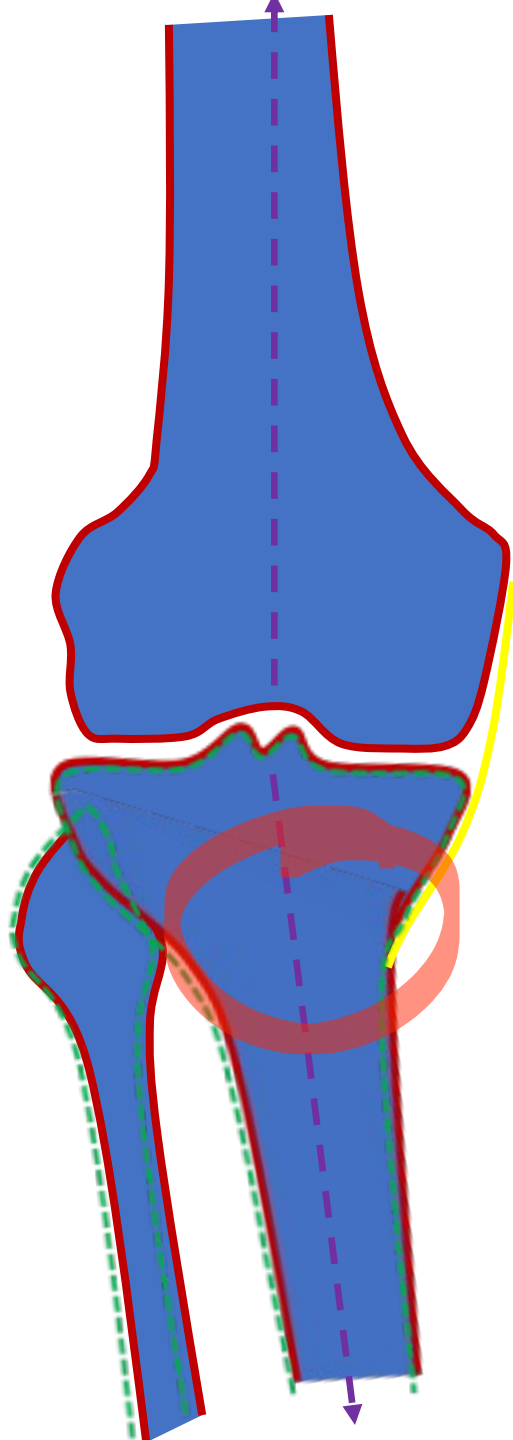


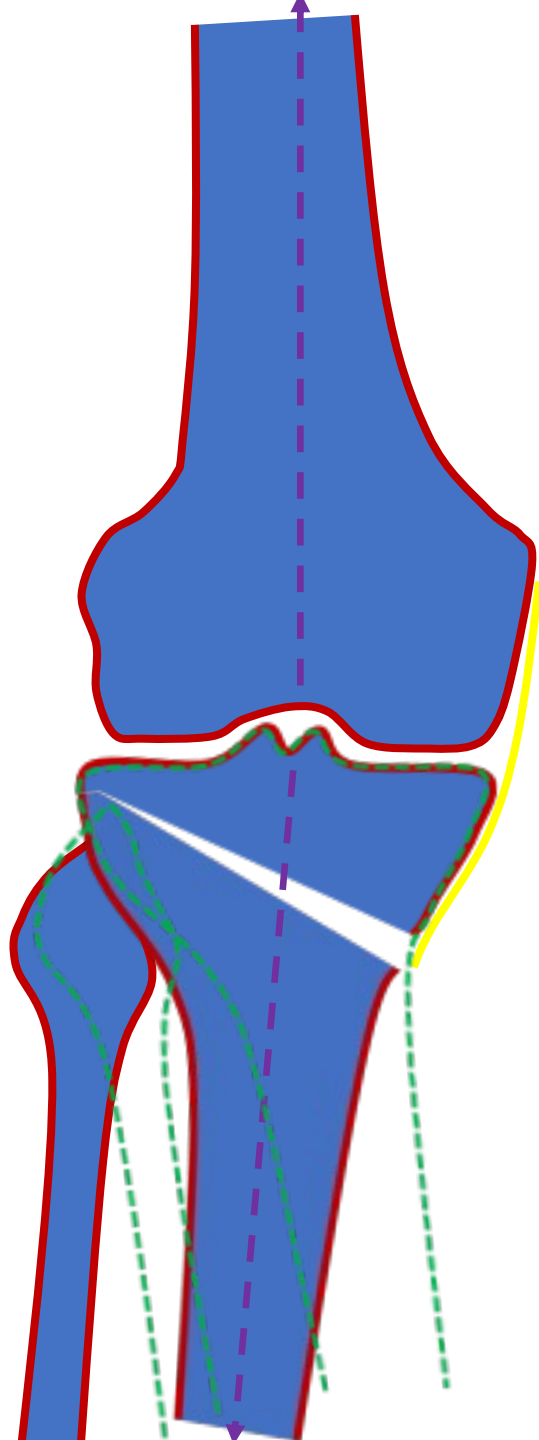
UKA + KO

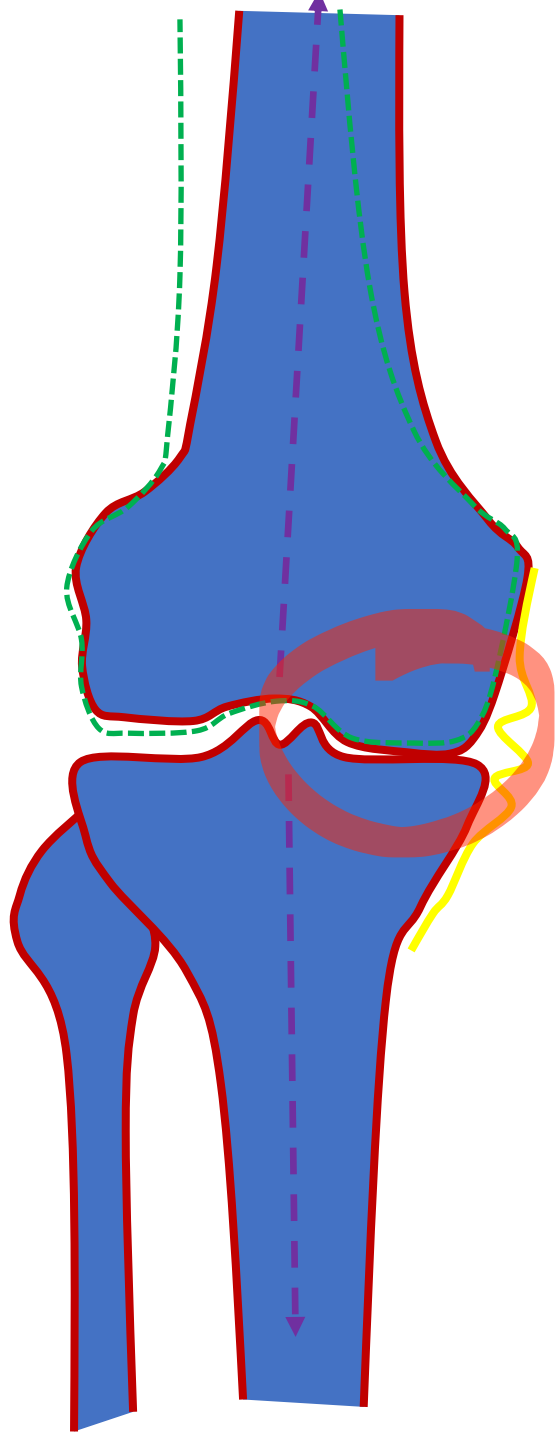




Metaphyseal deformity

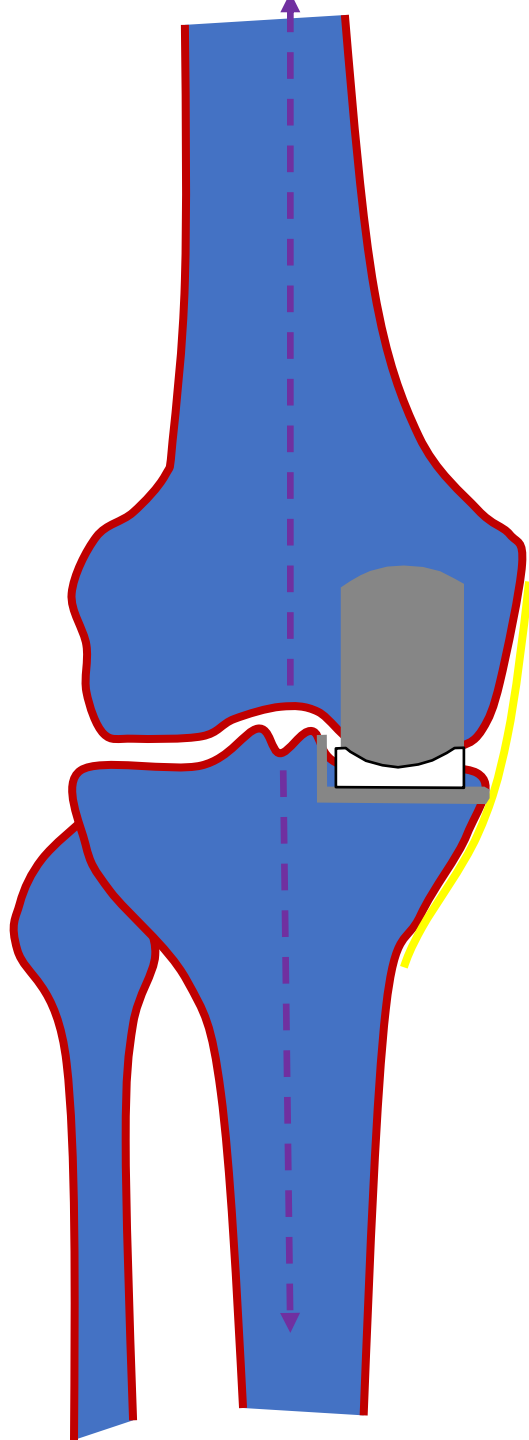
Is THE indication for osteotomy





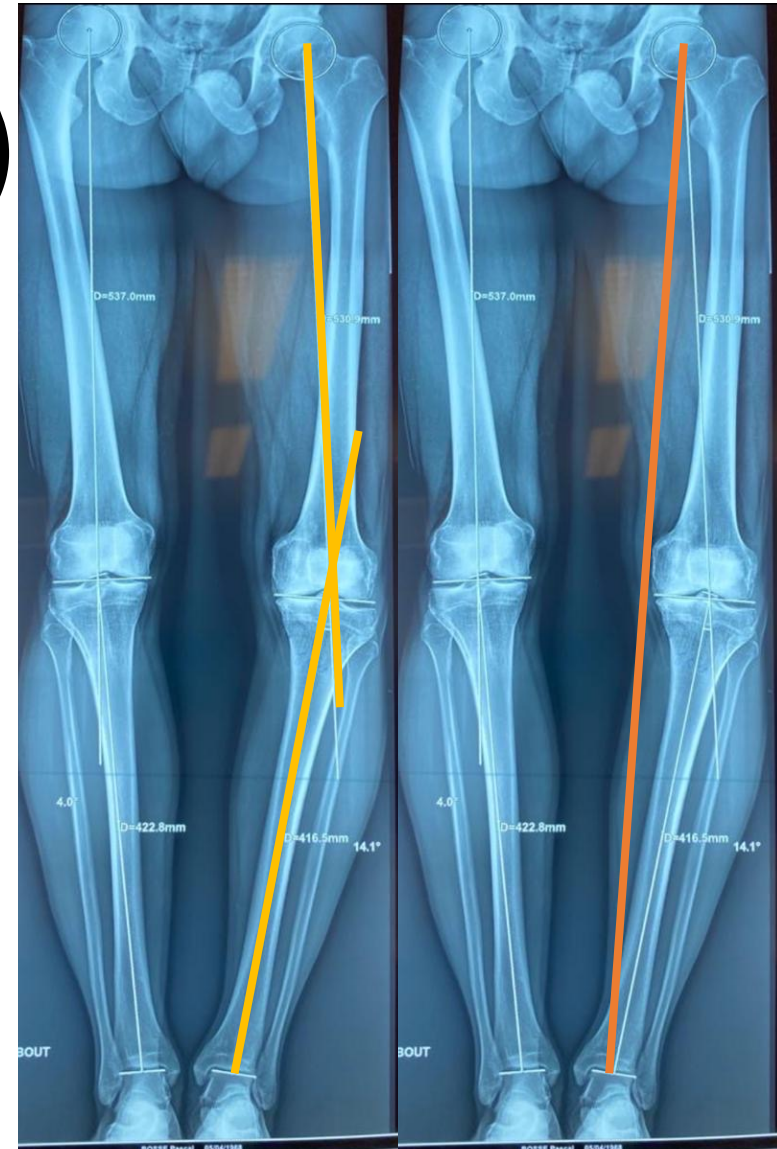
Anteromedial full thickness defect

Is THE indication for PKR

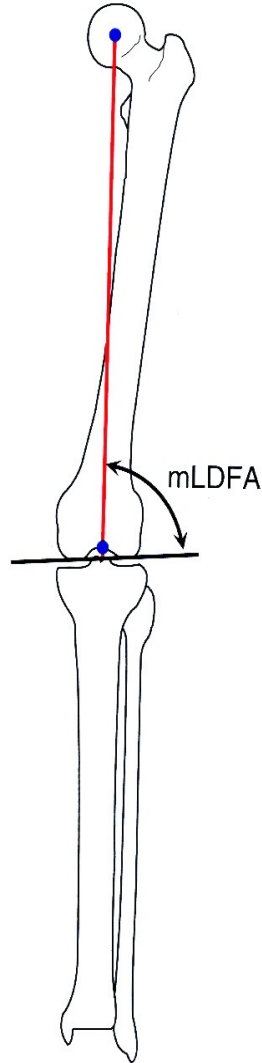


global deformity

HKAa (hip knee ankle angle)
Mikulicz



femoral deformity



mech.

Lateral Distal Femur Angle

mLDFA 87° ($85 - 90^\circ$)

Bhave $88,1 \pm 1,5^\circ$

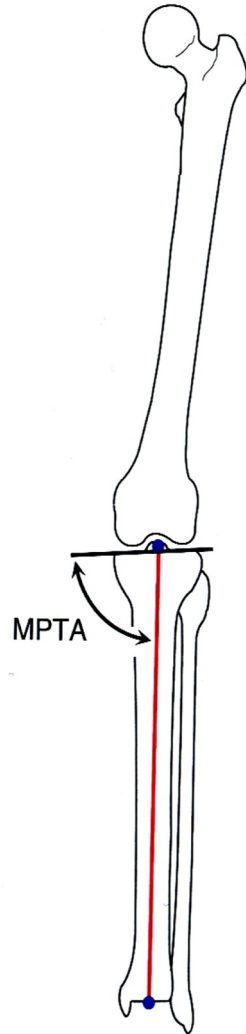
Chao $88,1 \pm 3,2^\circ$

Cooke $86 \pm 2,1^\circ$

Paley $87,8 \pm 1,6^\circ$

40 patients Max

tibial deformity



Medial Prox. Tibia Angle

MPTA 87° ($85 - 90^{\circ}$)

Bhave $88,3 \pm 2^{\circ}$

Chao $87,5 \pm 3^{\circ}$

Cooke $87 \pm 2,3^{\circ}$

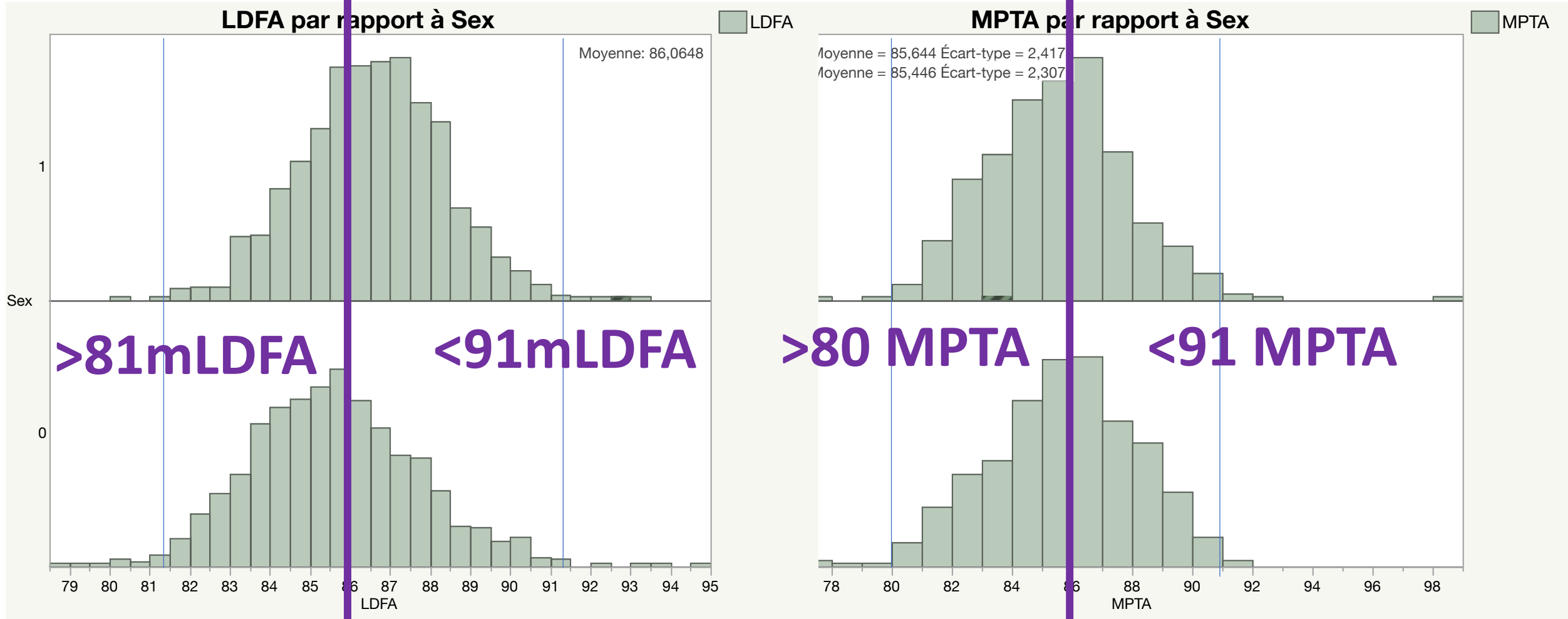
Paley $87,2 \pm 1,5^{\circ}$

40 patients Max

What is NORMAL ?

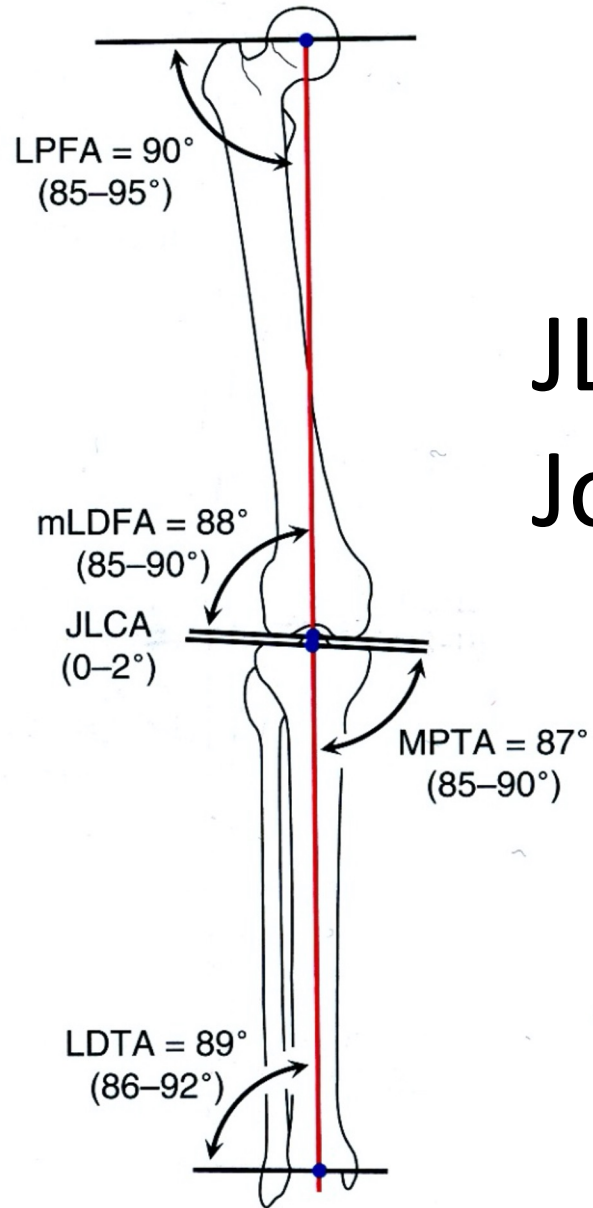
86

86



a.

Mechanical



intra-articular deformity

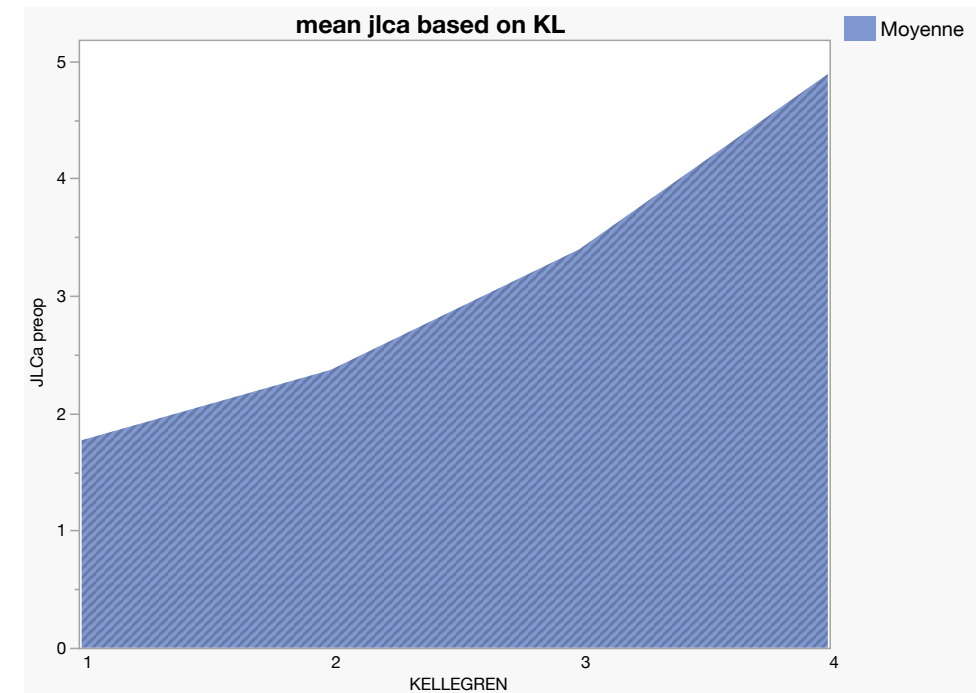
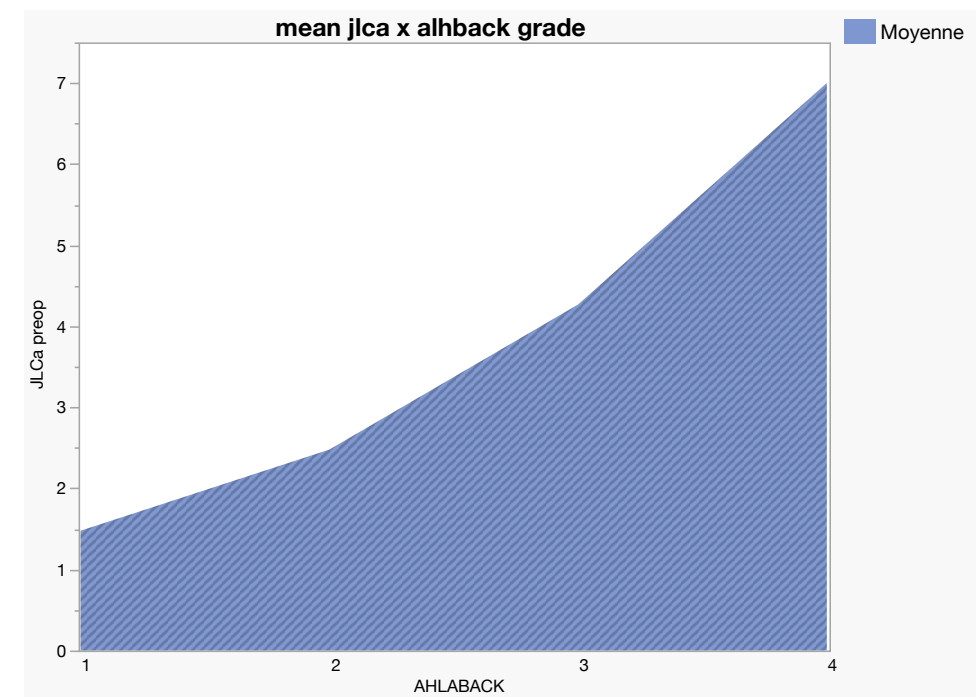
JLCA (0-2°)

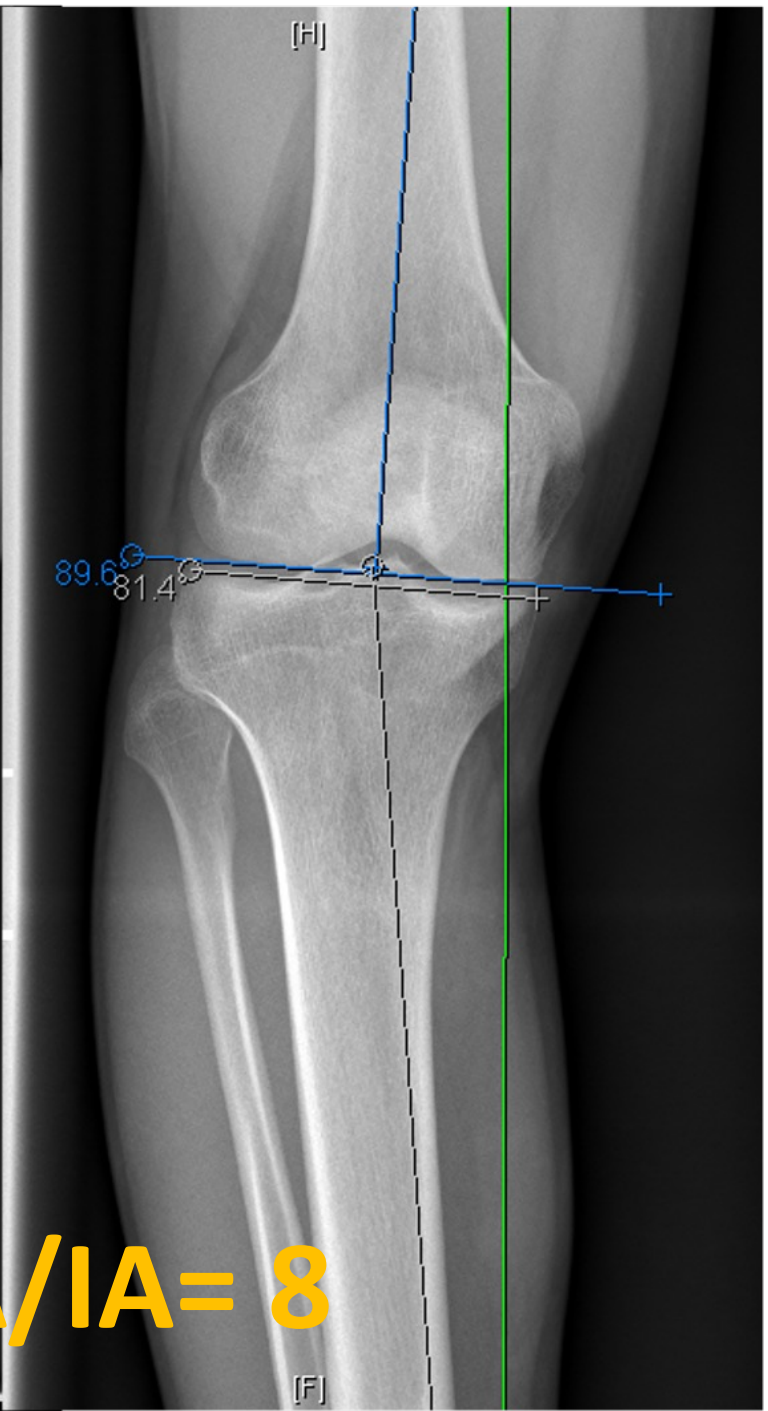
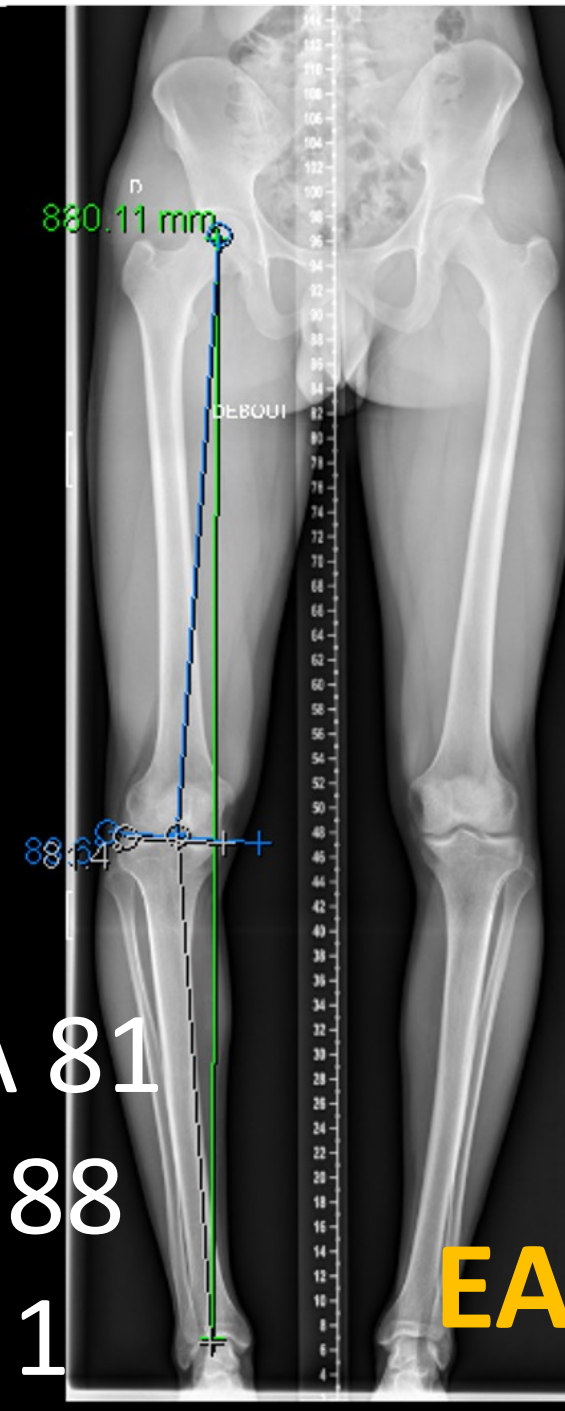
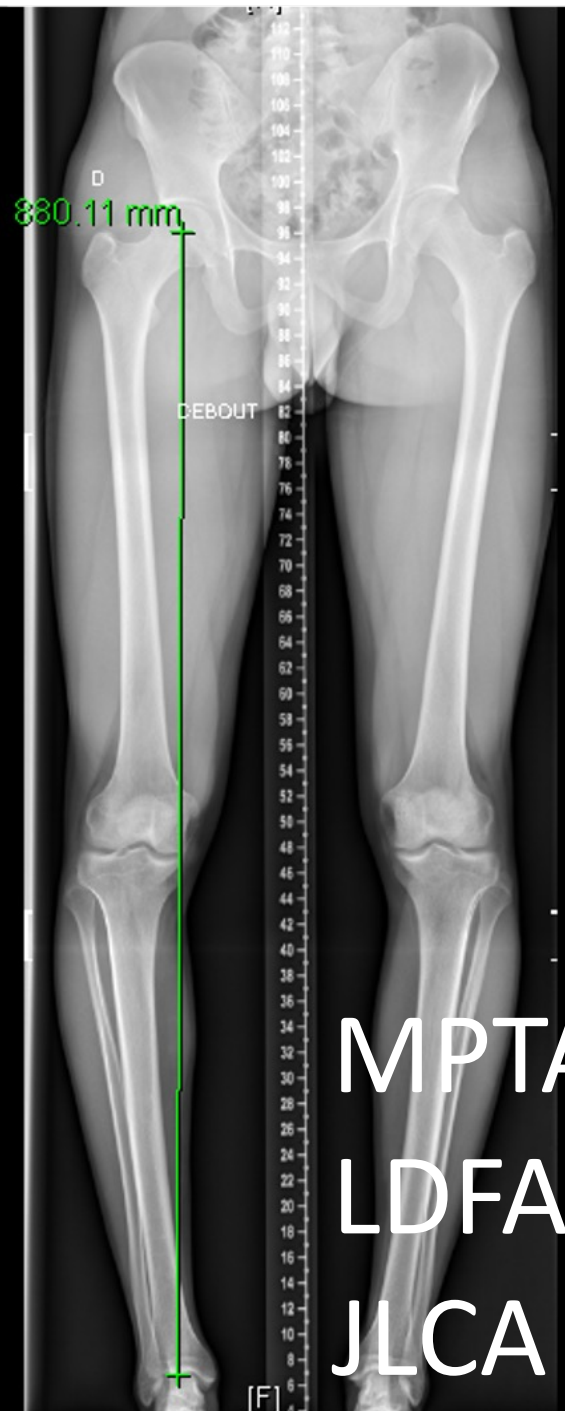
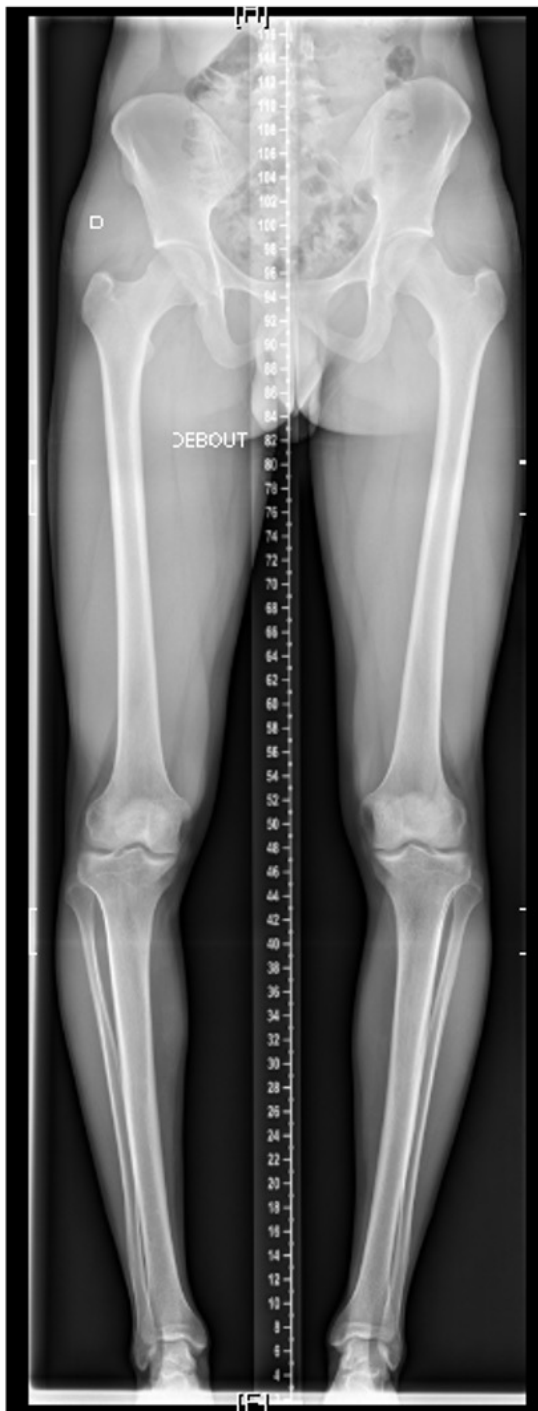
Joint Line Convergence Angle

Jlca is key !

IN LOWER LIMB DEFORMITY

- > 6 indicate high grade of arthritis
- < 3 indicate extra-art deformity



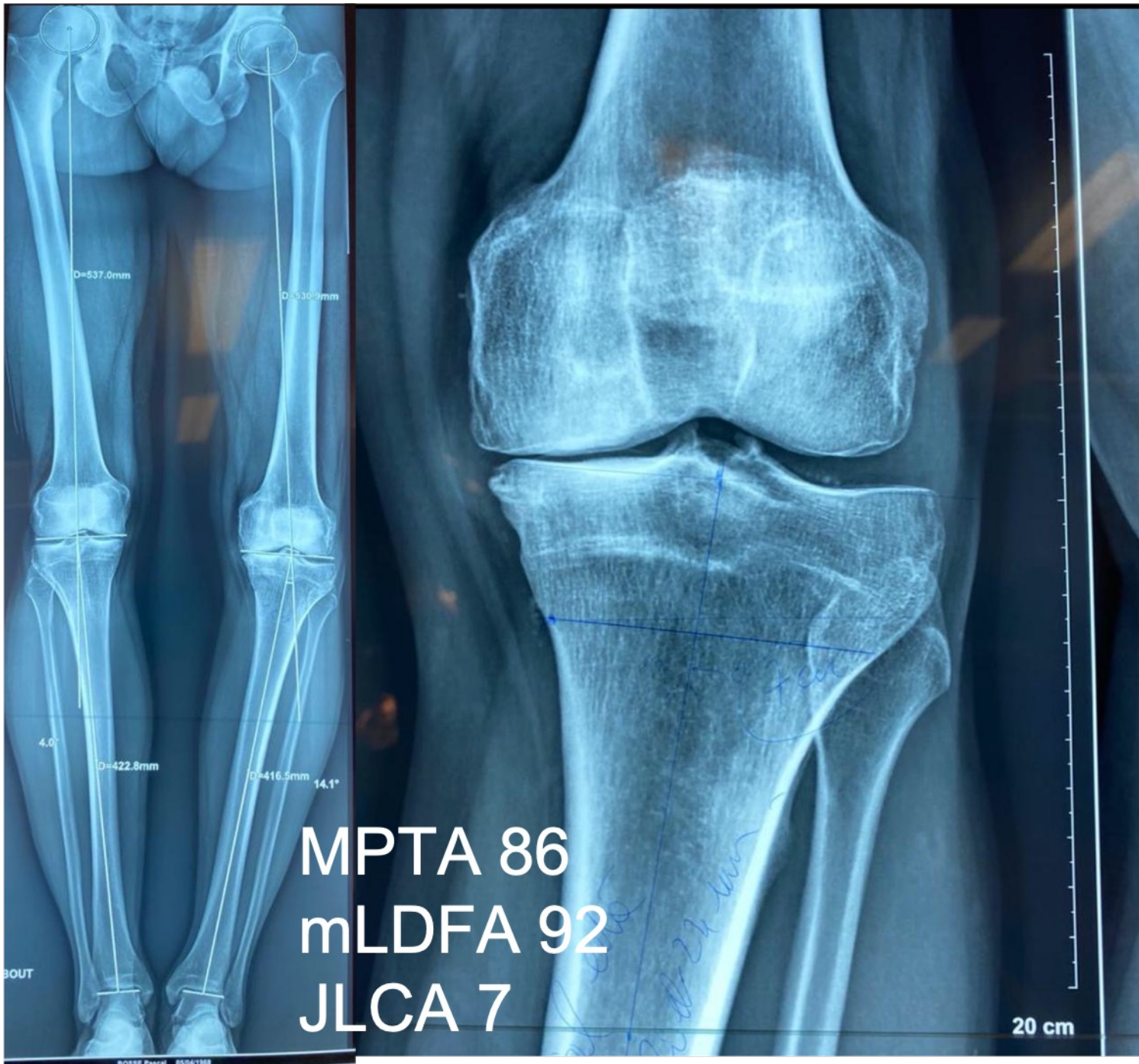


MPTA 81

LDFA 88

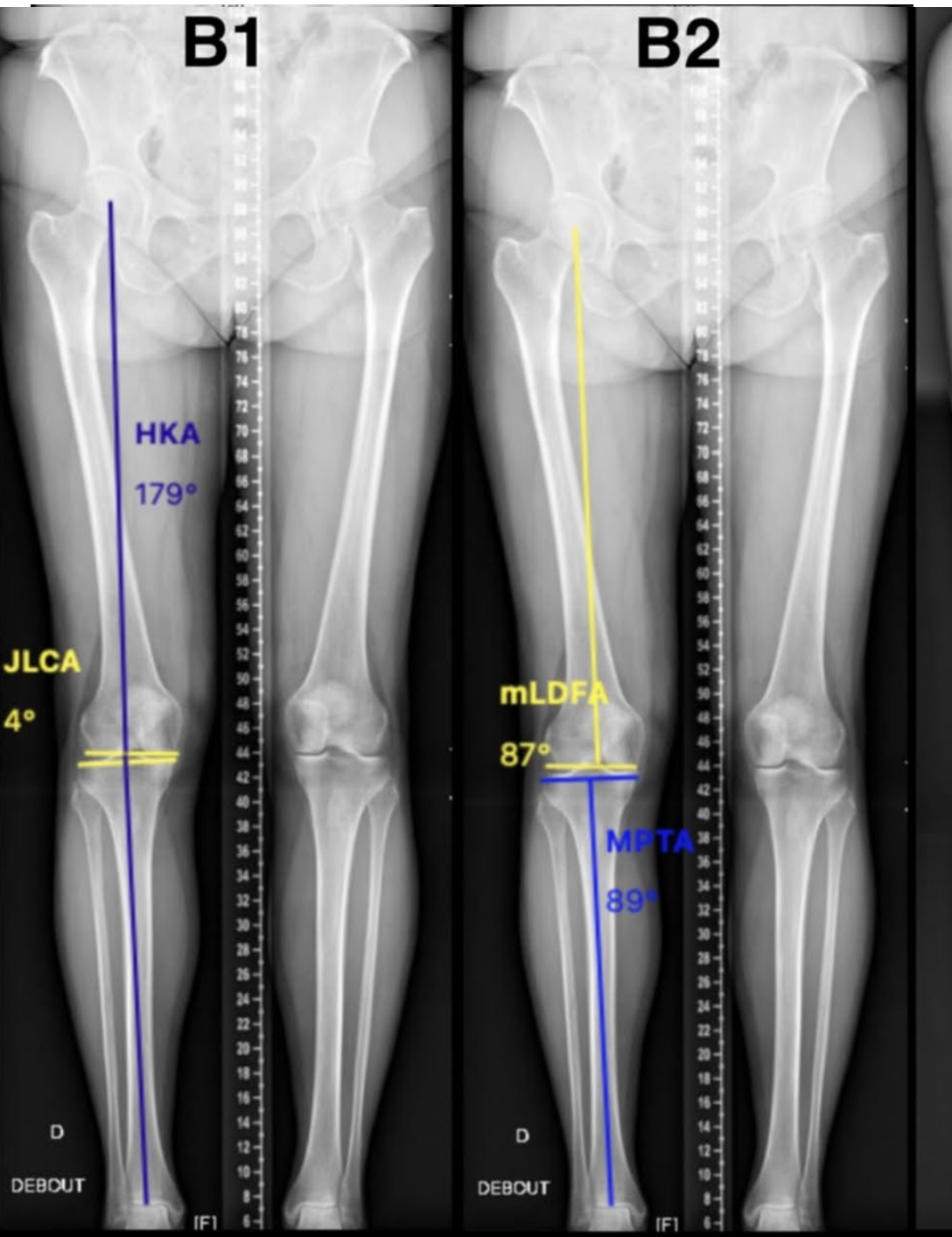
JLCA 1

EA/IA= 8



MPTA 86
mLDFA 92
JLCA 7

$$EA/IA = 0.8$$



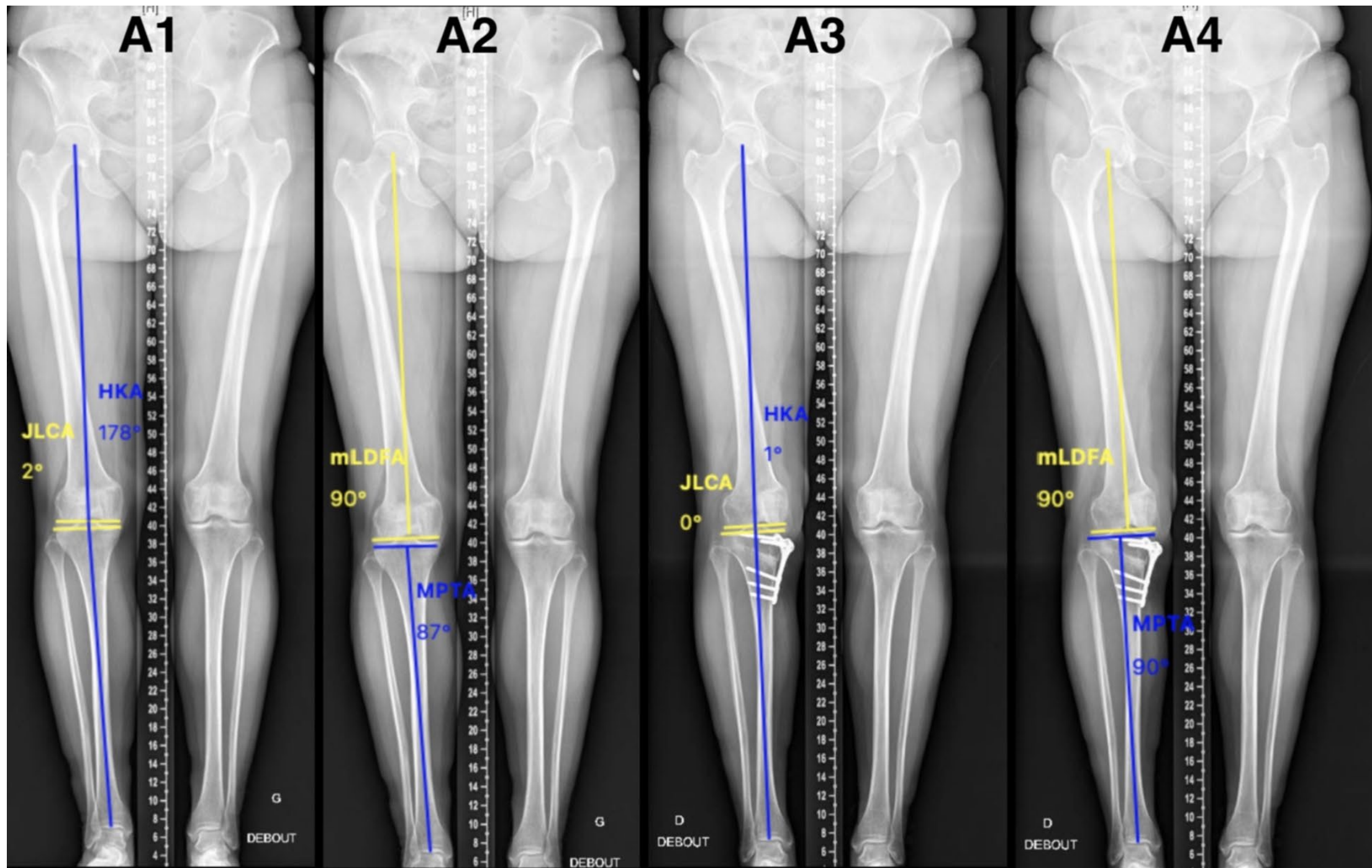
The unintentional effect of unicompartmental knee arthroplasty on extraarticular deformity and of high tibial osteotomy on intraarticular deformity for the treatment of anteromedial osteoarthritis



Mohammed Anter Abdelhameed¹ · Christophe Jacquet^{2,3} · Matthieu Ollivier^{2,3} · Jean-Noel Argenson^{2,3}

Received: 30 August 2023 / Accepted: 27 December 2023

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JLCA was unintentionally changed in the HTO group from 2.6 ± 2.1 preoperatively to 1.6 ± 2.4 postoperatively
the MPTA showed a significant change in the UKA group from 84.8 ± 2.1 to 86.3 ± 1.6 postoperatively (p value < 0.001).



PARAM			UKA + O = 28	TKA = 28
Age			59 ± 6	60 ± 7
GENDER (M/F)			22/6	22/6
BMI			25 ± 3	26 ± 3
IAD (JLCA)			6 ± 2	6 ± 3
EAD			8 ± 2	9 ± 3

- PREOP KOSS: NO DIFF

2 YR FU:

		UKA +KO n = 28	TKA n = 28	P value	Odd-r FJS 2.3 : iC95%(1,2-8,2)
FJS		94 ± 5	67 ± 16	0.007	
KOOS	Pain	89 ± 6	78 ± 11	0.03	> MCID
	Symptoms	91 ± 7	73 ± 12	0.03	> MCID
	Daily Life	92 ± 6	84 ± 9	0.03	
	Sport	77 ± 8	67 ± 10	0.03	> MCID
	QoL	95 ± 7	86 ± 6	0.03	

RESULTS

	PUC + OG n = 28	PTG n = 28
DVT	0	0
STIFFNESS	0	0
HINGE F	2	0
SEPSIS	0	0
HWR	8	0
REVISION	0	0





Discussion



Joint awareness after unicompartmental knee arthroplasty and total knee arthroplasty: a systematic review and meta-analysis of cohort studies. [Tripathy SK, et al. KSSTA 2020](#)
Ten-year patient-reported outcomes following total and minimally invasive unicompartmental knee arthroplasty: a propensity score-matched cohort analysis. [Burn E, et al. KSSTA 2018](#)

Discussion

✘ UKA VS EA



UNKNOWN



EFORT open reviews

Update on unicompartmental knee arthroplasty:
Current indications and failure modes

Michele Vasso¹
Alexander Antoniadis²
Naeder Helmy²

✘ TKA SACRIFICE +++

✘ KINEMATIC



RISKY

**Slight undercorrection following total knee arthroplasty results
in superior clinical outcomes in varus knees**

Luc Vanlommel • Jan Vanlommel • Steven Claes •
Johan Bellemans

Knee Surg Sports Traumatol Arthrosc
DOI 10.1007/s00167-013-2481-4

Conclusion

NEW OPTION FOR EA + IA DEFORMITY

BETTER OUTCOMES AT 2 YRS THAN TKA IN SELECTED PATIENTS





**ICI C'EST
MARSEILLE
BÉBÉ**



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