

CONGRESSO NAZIONALE SOCIETÀ ITALIANA FISSAZIONE ESTERNA

Fissazione esterna nel trattamento
delle emergenze e traumi militari,
tecniche di ricostruzione degli arti e
trattamento degli esiti postraumatici

ROMA

2025

16-17 MAGGIO 2025





CORRECTION OF VARUS DEFORMITY OF THE ELBOW WITH ILIZAROV METHOD: A REPORT OF 11 CASES

Faoro M, Vandenbulcke F, Malagoli E, Kirienko A

Humanitas Research Hospital



1) Post-traumatic





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: 15873

IRP

IST. CLIN. HUMANITA

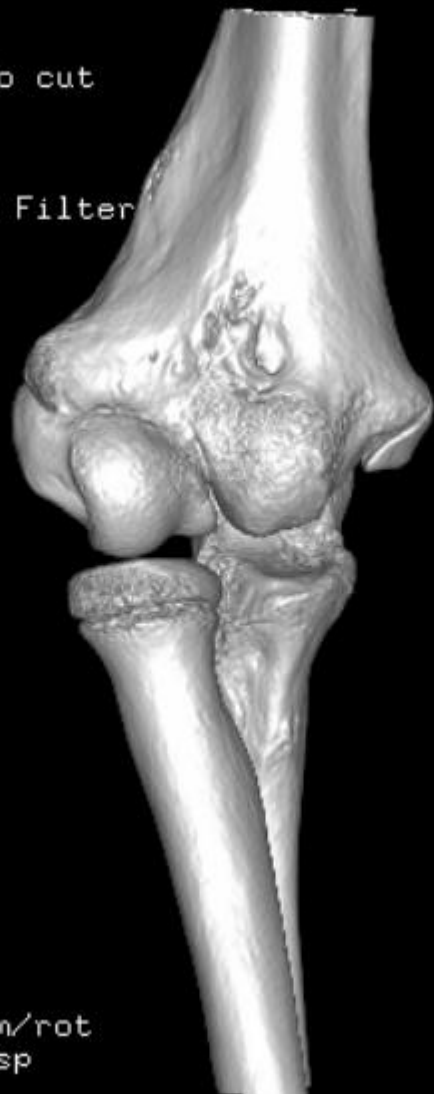
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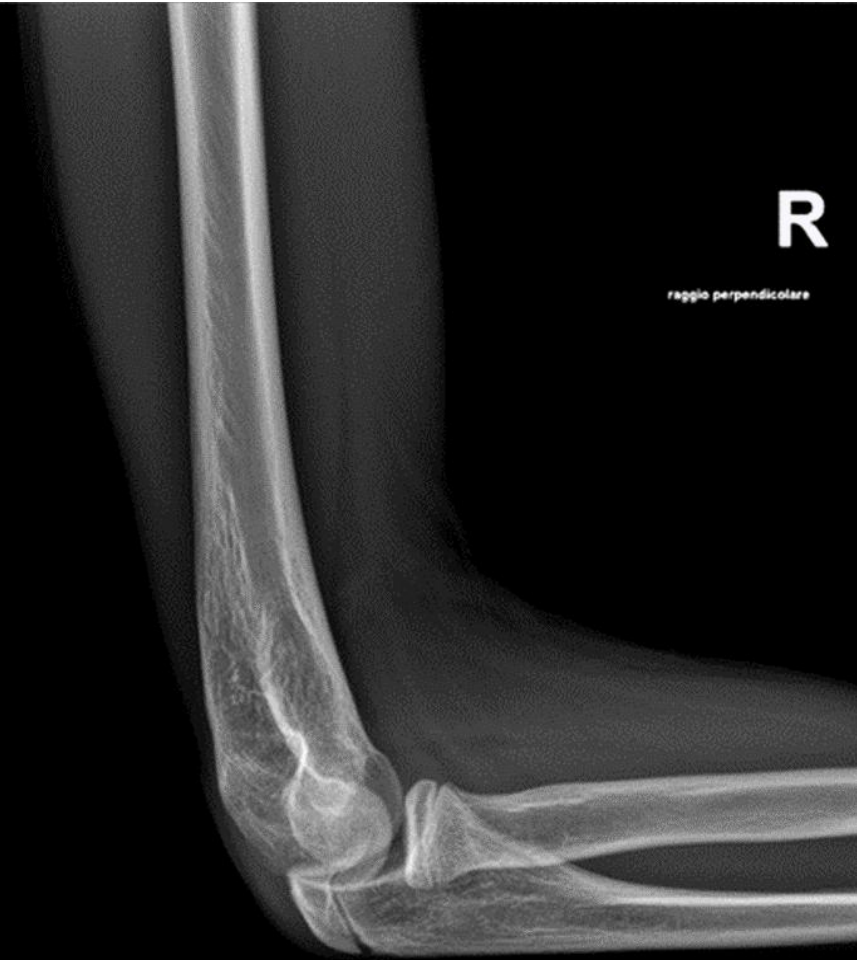
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raggio perpendicolare

What is the consequence?

- Aesthetic
- Pain
- Posterolateral rotatory instability
- Triceps snapping
- Ulnar neuropathy
- Lateral humeral condyle fractures



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What is the consequence?

What can we do?



WHY THE ILIZAROV FRAME?

"... patients reported excellent results, the highest of any technique in this study" (Hoffman et al 2024)

"...efficient, safe, stable and versatile

... avoids unsightly scar formation and loss of ROM

... further correction during the distraction period

... early resumption of daily activities" (Piskin et al 2007)

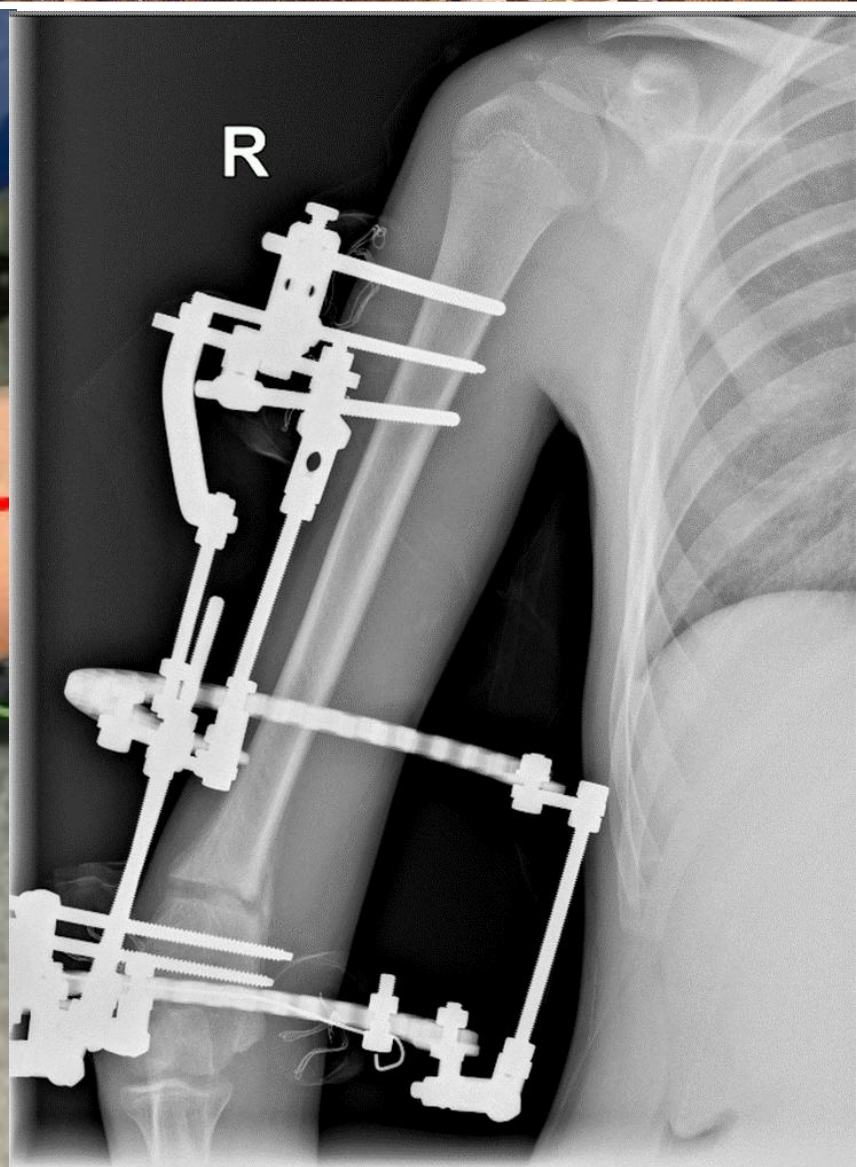
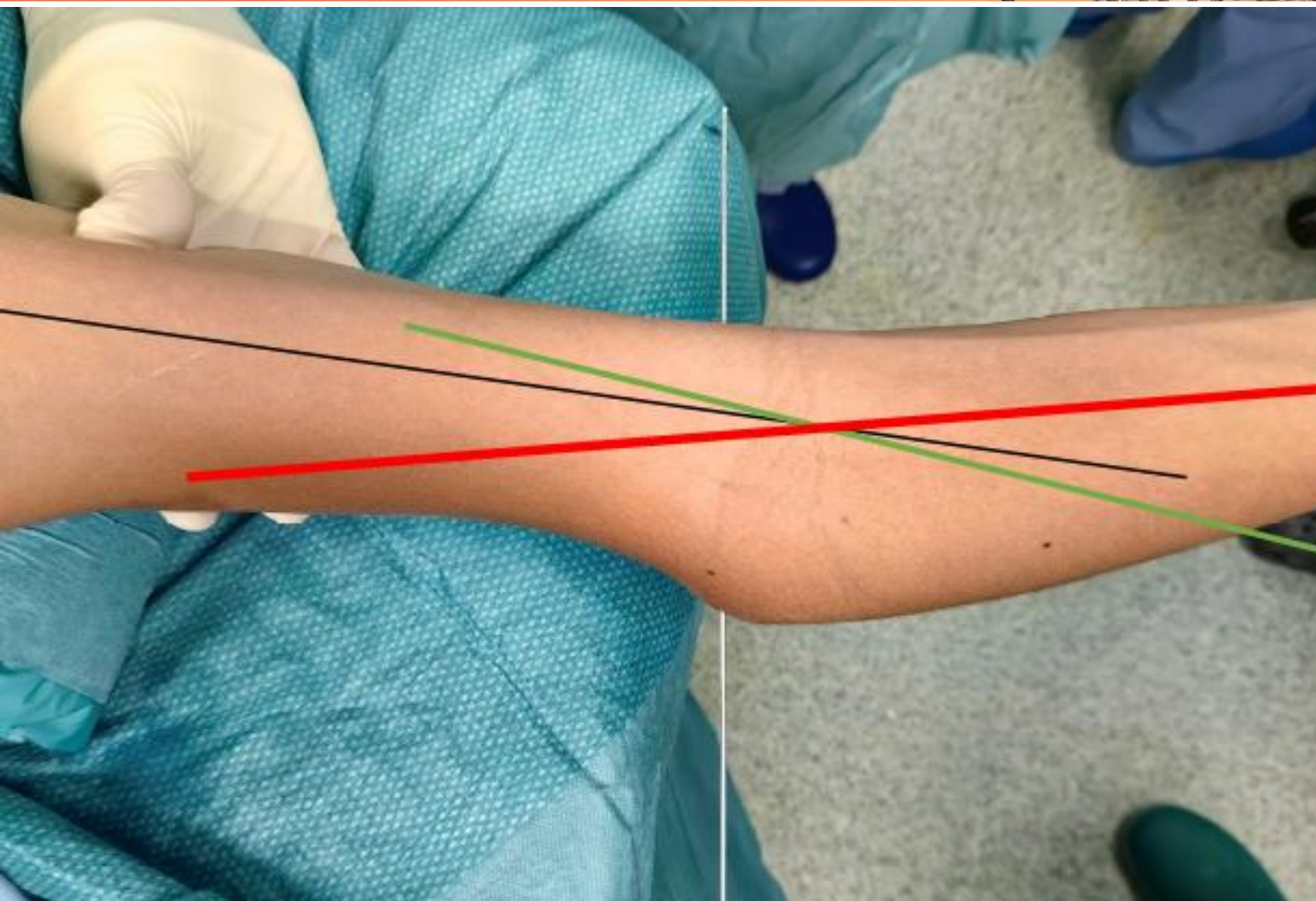
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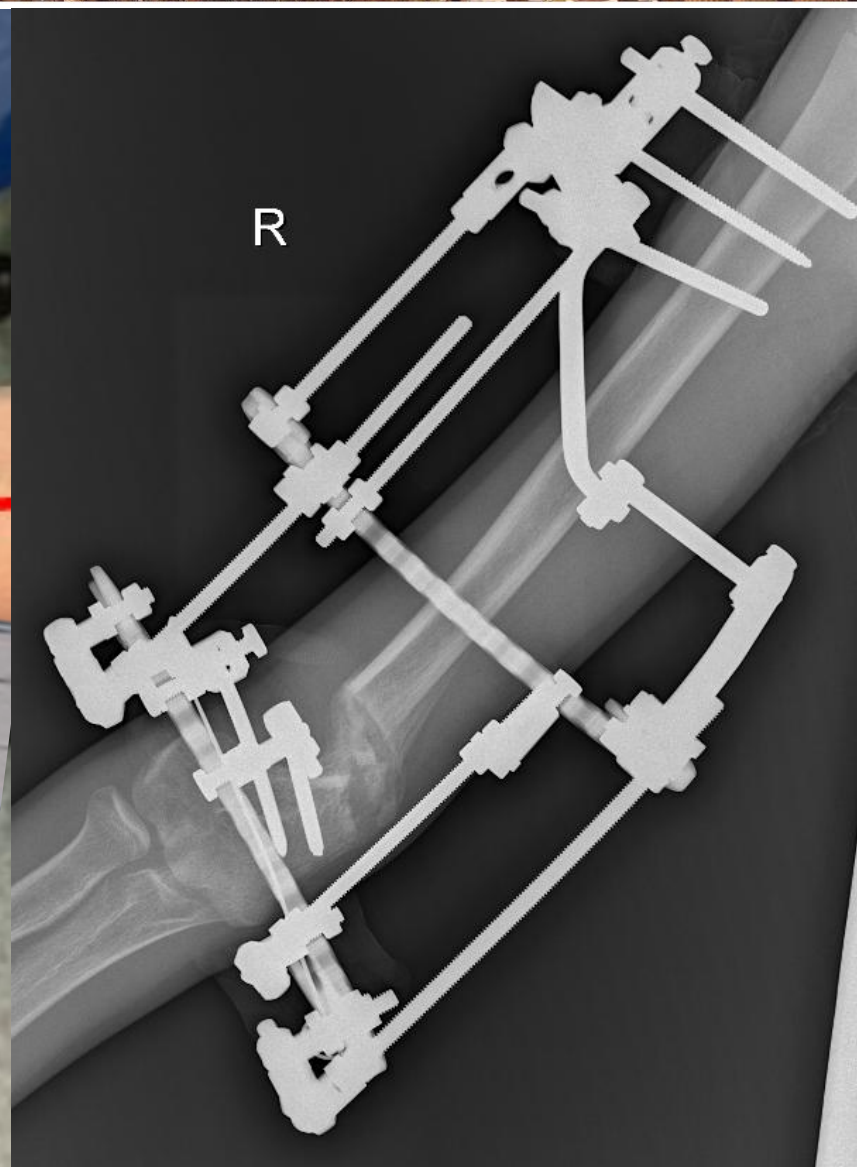
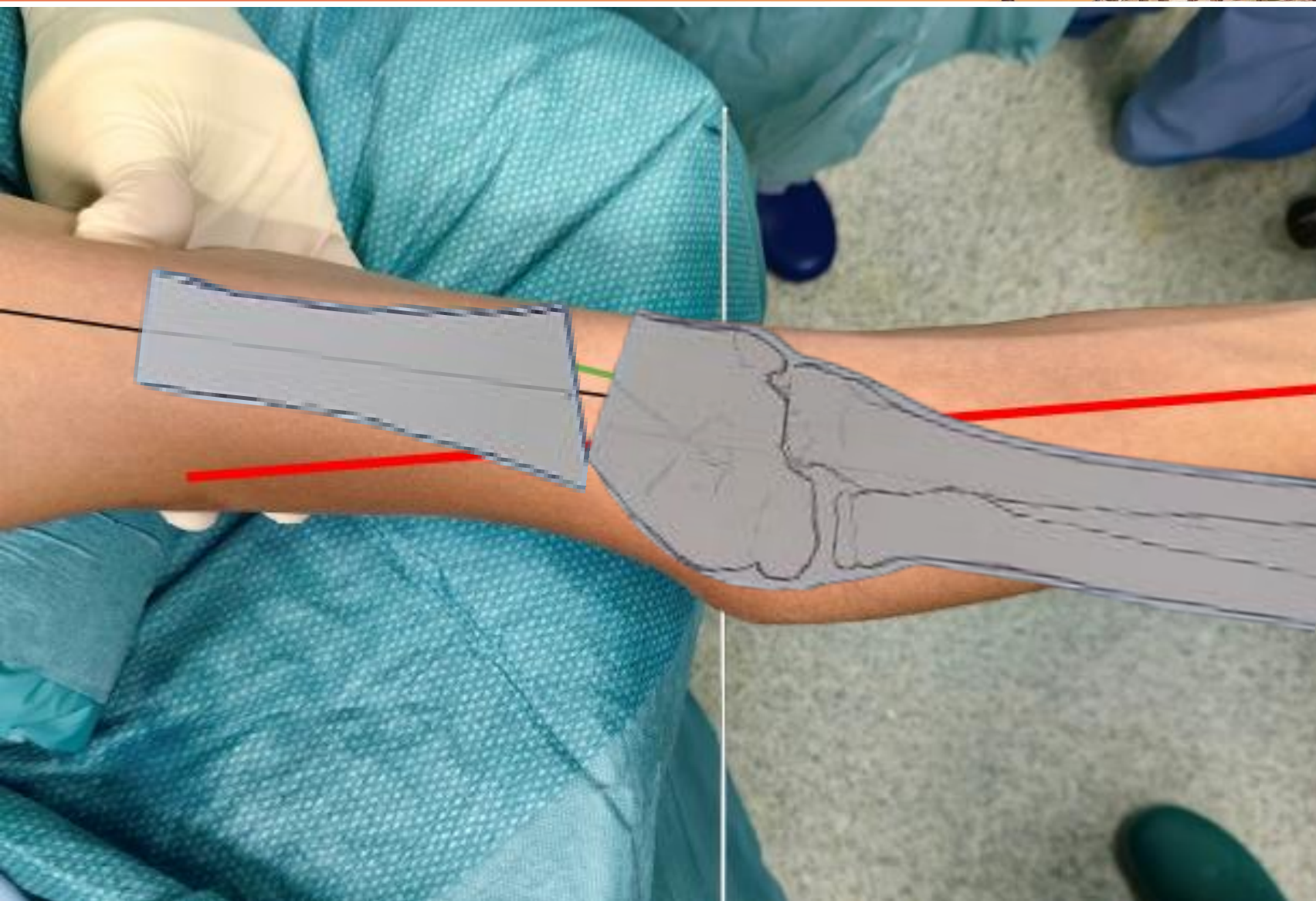
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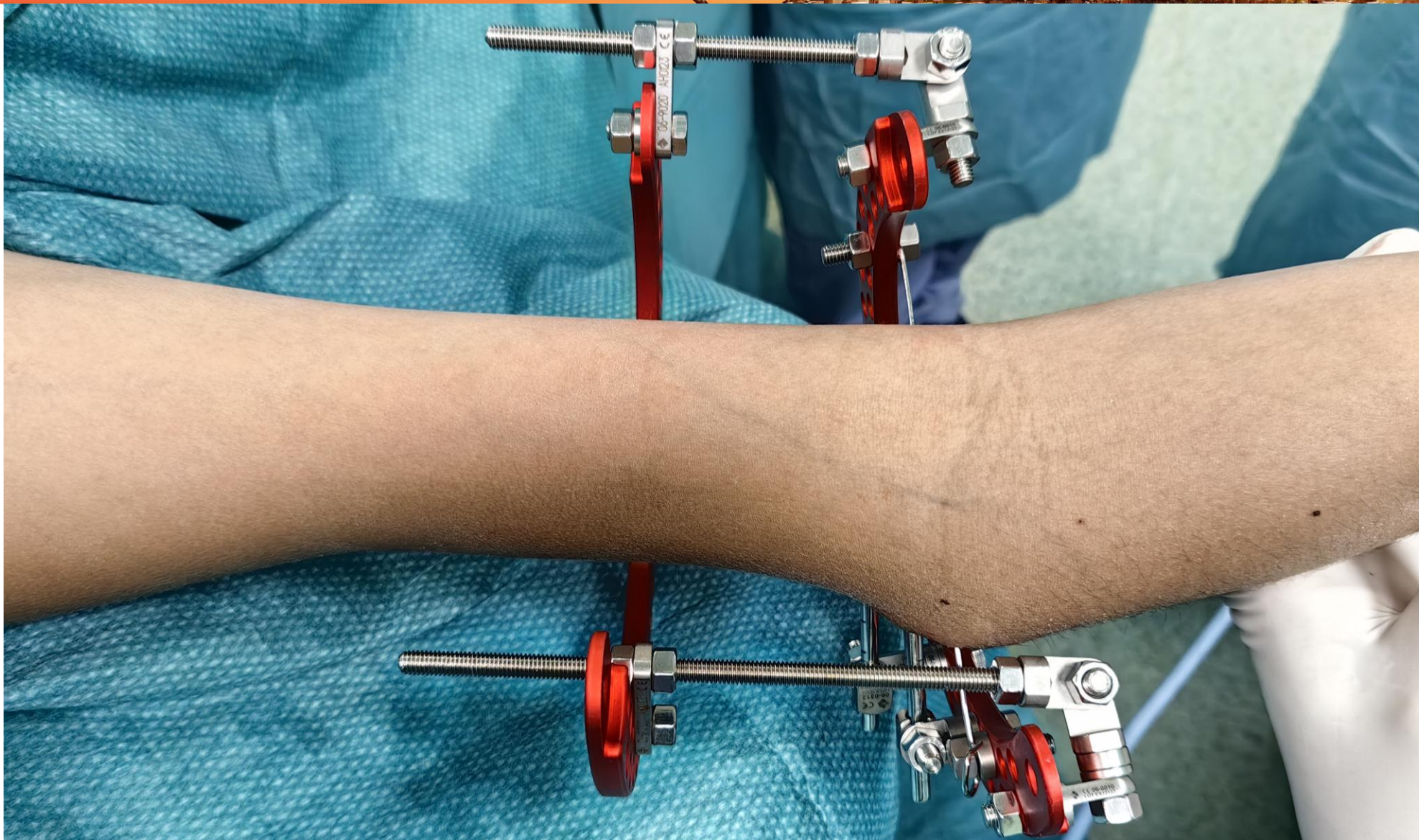
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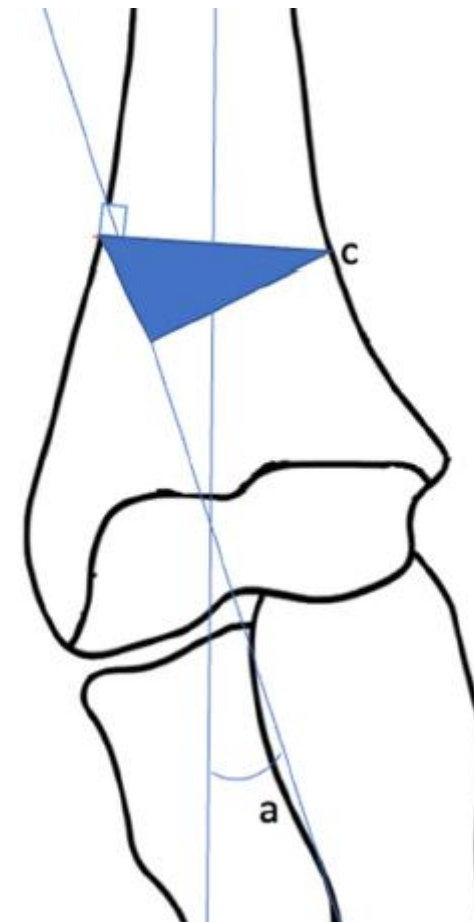
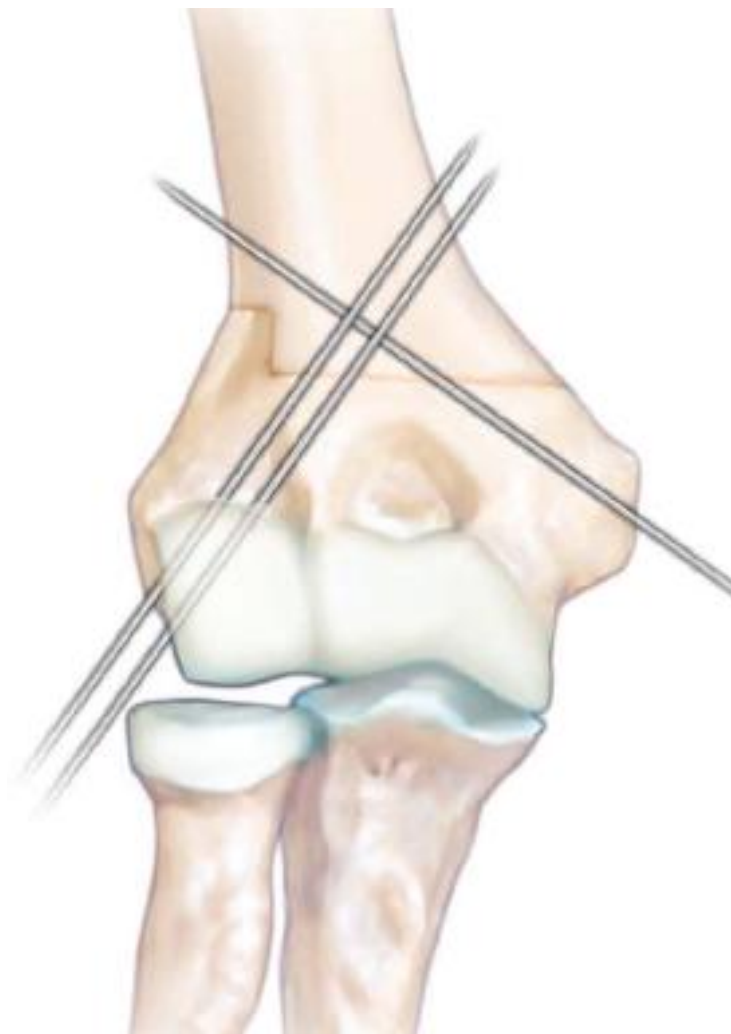


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Khurana et al 2024
Hoffman et al 2024

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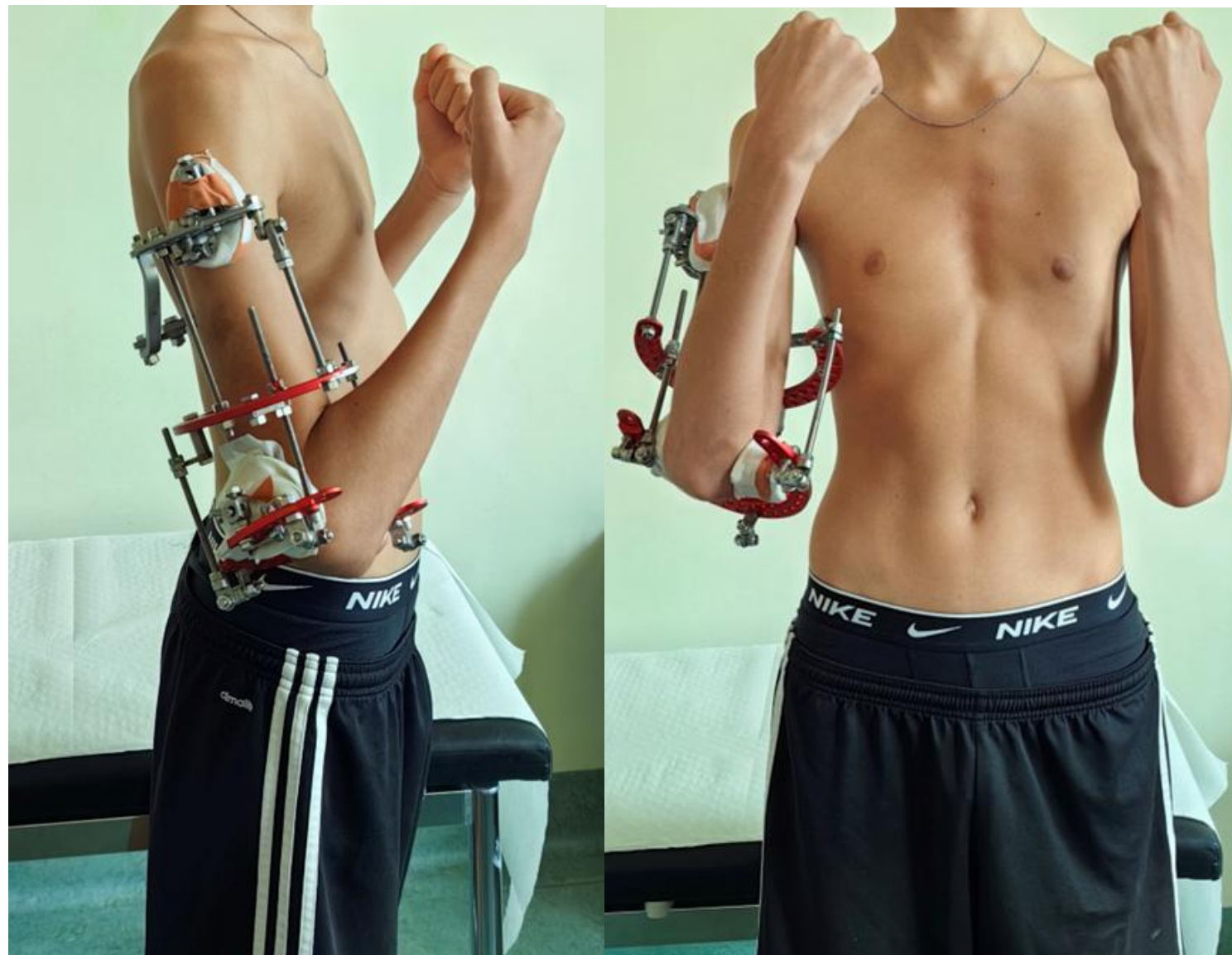


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JSES International 8 (2024) 646–653



- **1 Day post surgery**
- **Minimal blood loss**
- **No casting**
- **Early PT**



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2) Rickets



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Materials and Methods

- 11 casi: 9 post-traumatic sequelae & 2 rickets (5 - 63y)
 - Median time after trauma= 8 y (0.6- 58)
- Humerus-Elbow-Wrist mod. Angle (range target 1-24°)
- QickDASH, MAYO, KJOC

Results

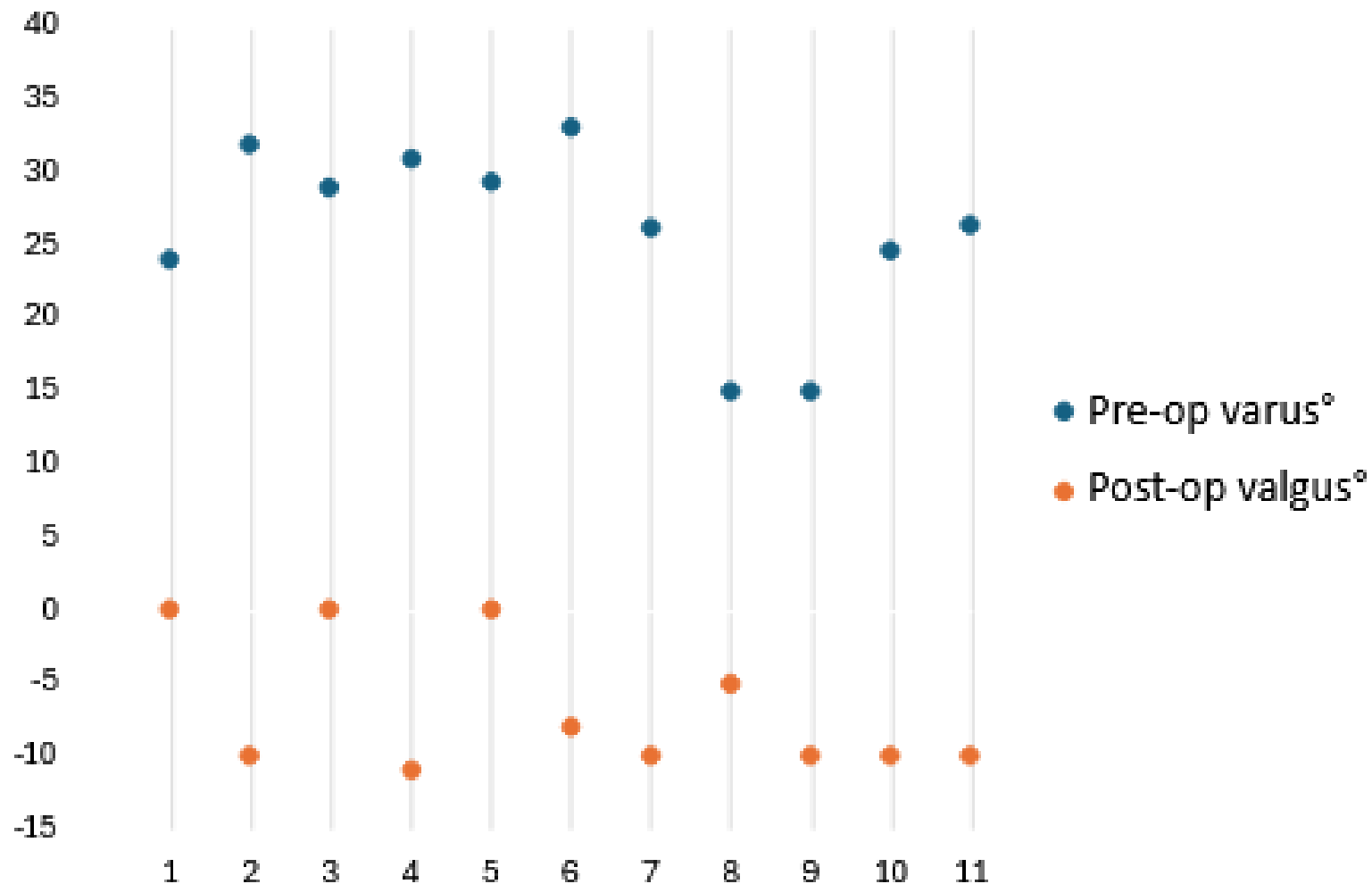
EF time = 5 months

$$\triangle = 33^\circ$$

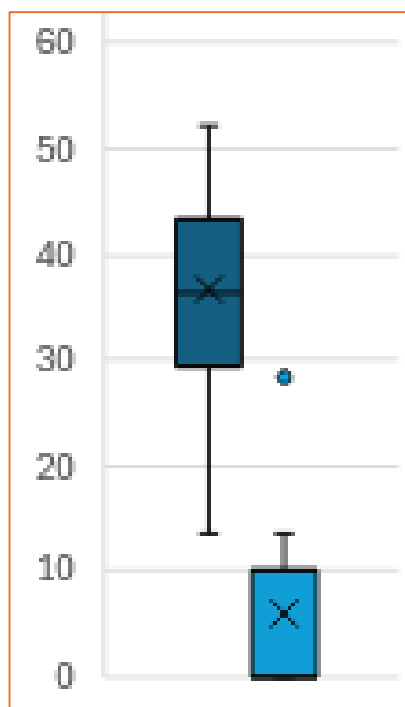
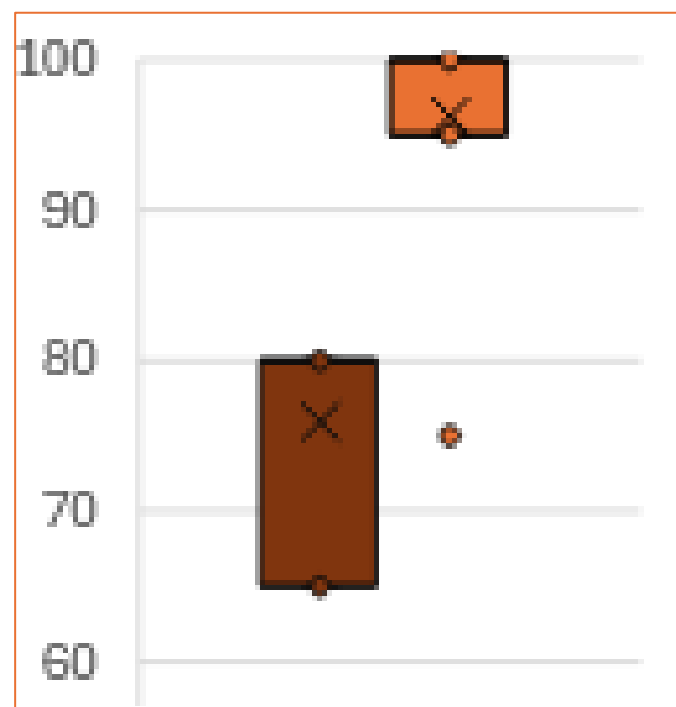
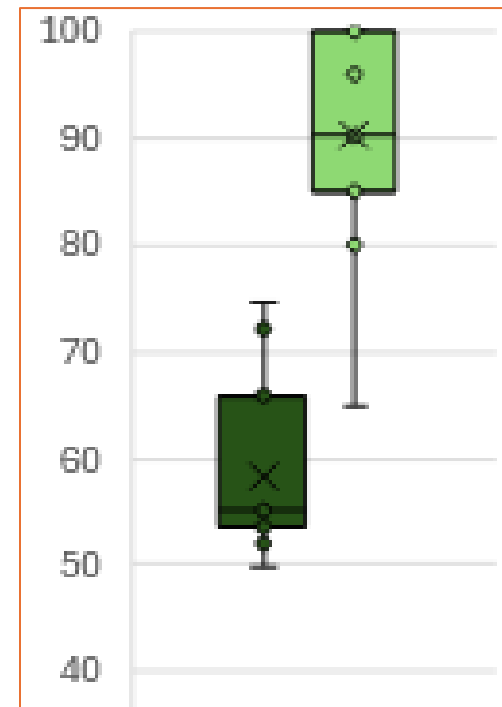
Valgus = 7°

Complications = 2

- 1 Pin-t. discharge
- 1 Wound rev



- 80% of patients do manual work or sports

QuickDASH**Mayo Elbow****KJOC**

Conclusions

- Safe and reliable method
- Patient satisfaction
- Guided outcome
- Technique & compliance

