

# HALLUX VALGUS ADVANCES

Ankle Surgery »

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- ▣ What is commonly used?
- ▣ New assessment
- ▣ New techniques
- ▣ Where should we focus?

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# What is hallux valgus?

- ❑ Bunion derived from *bunio* =turnip
- ❑ Static medial deviation of metatarsal and lateralisation of hallux
- ❑ Lateral angulation of articular surface



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# Shoe to fit the foot or foot to fit the shoe?

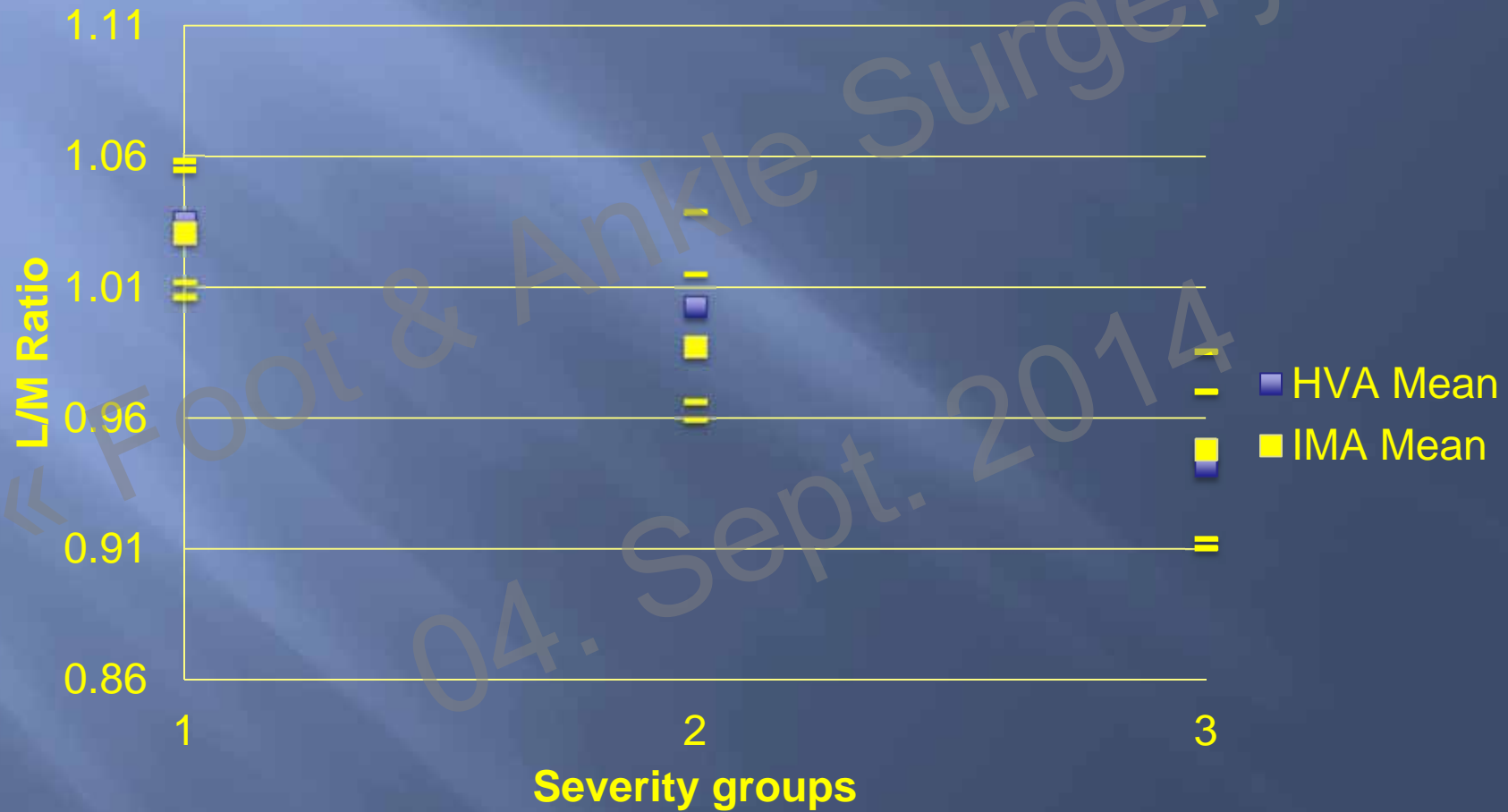


# Grading as per HVA and IMA

Grade	HVA (°)	IMA (°)
Normal	< 15.9	< 8.9
Moderate	16 - 24.9	9 - 13.9
Severe	> 25	> 14

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# Creation of sesamoid ratio groups



# Creation of sesamoid ratio groups





# Treatment

- ▣ Very limited advance in conservative treatment with any robust evidence

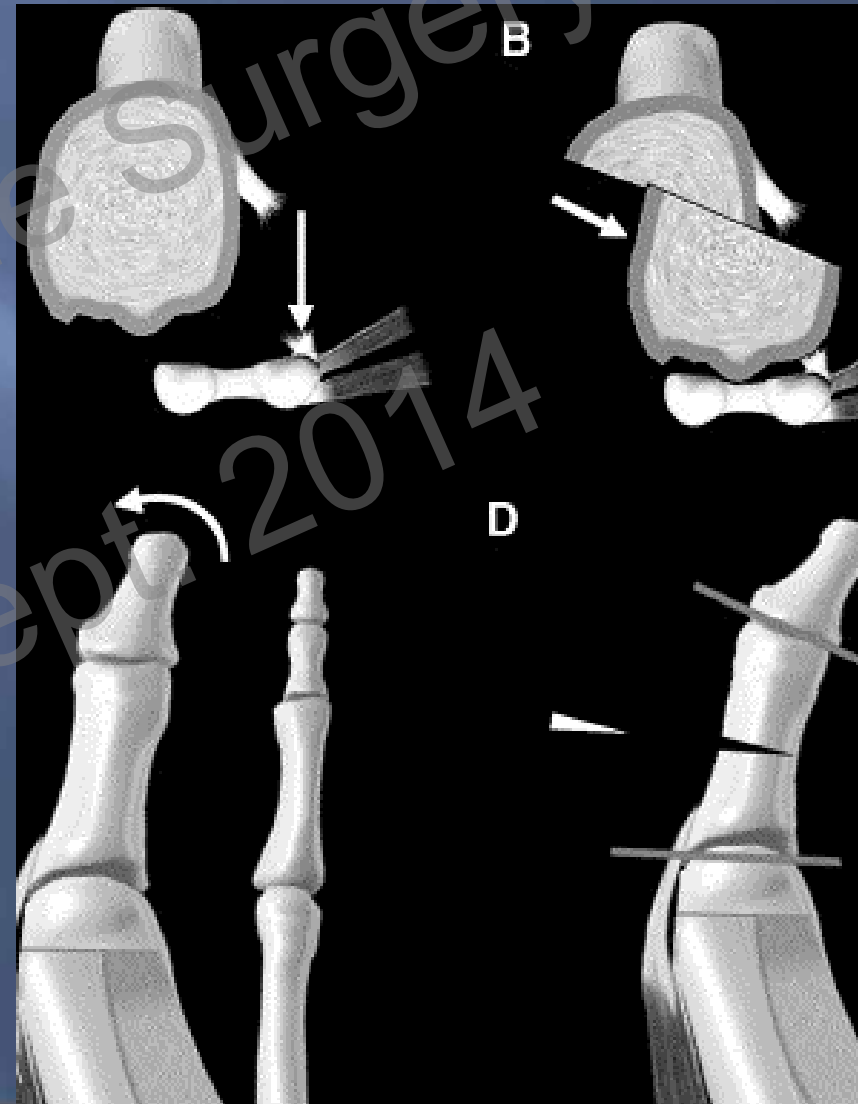
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# Scarf osteotomy



# 4 steps of hallux valgus correction

- ▣ Division of soft tissues
- ▣ Scarf osteotomy including plantar angled longitudinal osteotomy
- ▣ Capsulorrhaphy
- ▣ Akin osteotomy











< 5-1 (ALL) >

WEIGHT BEARING

RIGHT



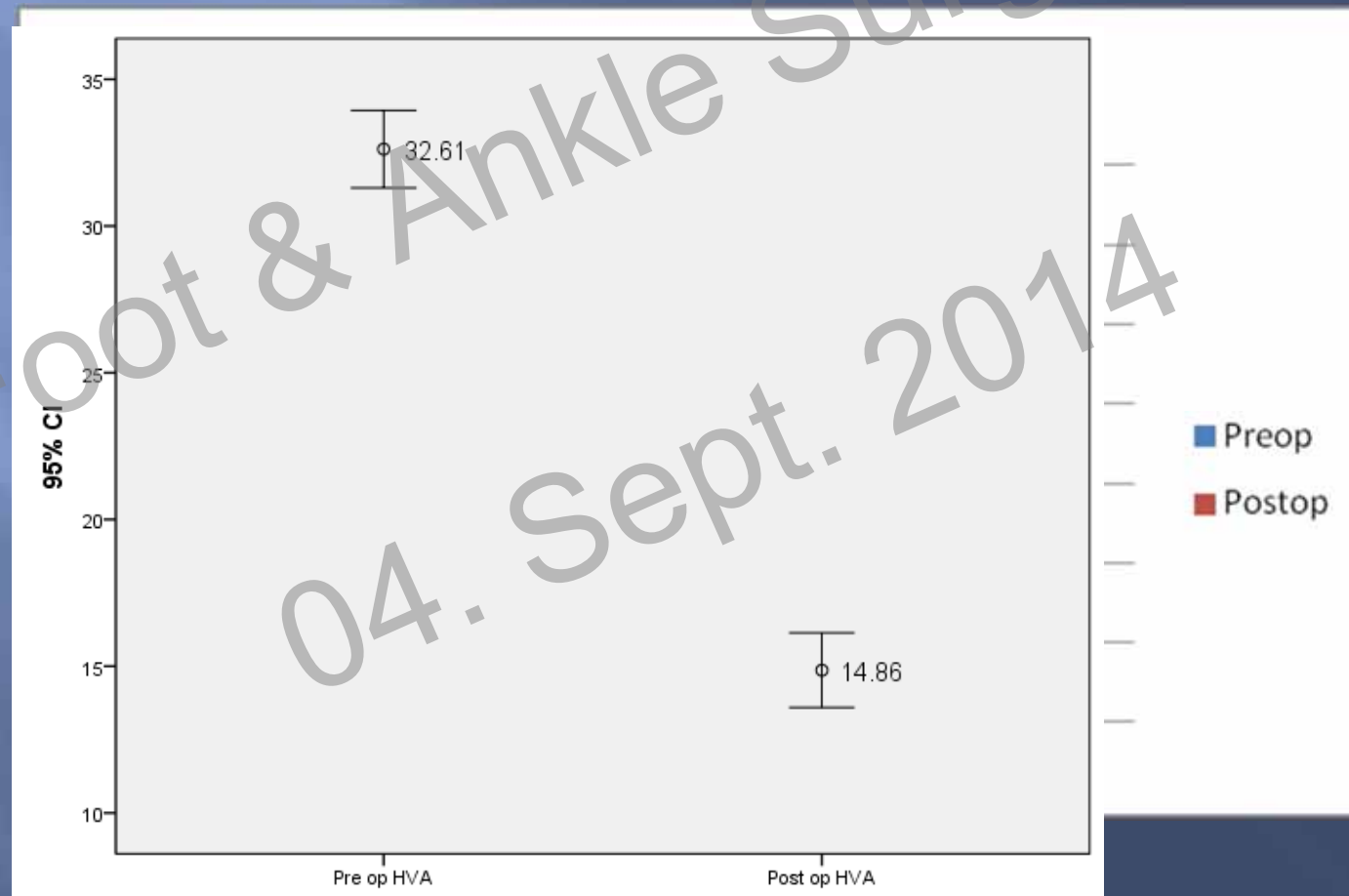
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# Results

- ▣ Return to work up to 6/52
- ▣ Return to sports / manual labour 8-10/52
- ▣ Typical post-op AOFAS scores 90 – 95
- ▣ Some stiffer / same / increased ROM
- ▣ Poorer results in adolescents
  
- ▣ Complication rate 6-35%!
- ▣ I tell my patients up to 10% of minor complication

# My results last 3 years

- 152 scarfs



# My results

- ▣ No deep infections
- ▣ Superficial infection <1%
- ▣ Revision rate 3.3%

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WHY DO ANYTHING ELSE

BECAUSE THE RESULTS I SHOWED YOU  
CAN BE IMPROVED

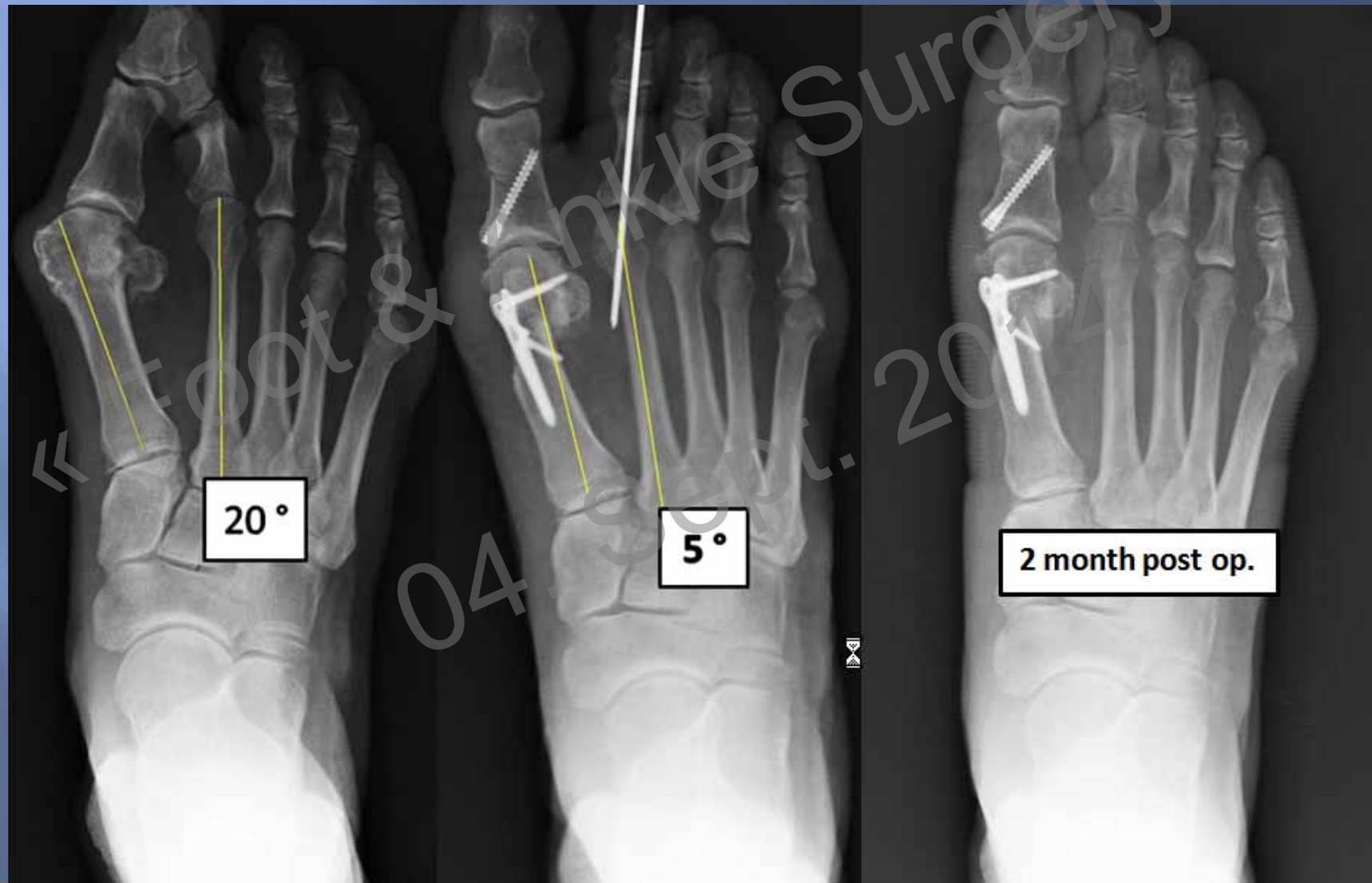


# REASONS FOR FAILURE /IMPROVEMENT

- ❑ Wrong operation = 1<sup>st</sup> MTPJ or 1<sup>st</sup> TMTJ fusion
- ❑ Can we reduce morbidity?
- ❑ Can we improve cosmesis?

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# Plate fixation



# Minimally invasive

- ▣ Giannini et al Int Orthop 2013
  - 641 patients AOFAS 47 to 89
  - 'low level of complications'
- ▣ Kadakia et al FAI 2007
  - ▣ 69% dorsal malalignment, 38% recurrence
- ▣ Trnka et al Int Orthop 2013
- ▣ Reported complications seem to be less than one may see in one's own clinical practice. This possible bias may be related to the fact that most studies are published by centres performing primarily minimally invasive hallux valgus surgery

# MICA

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