



# Patients' Functionality And Satisfaction Following One-Sided, Primary, Non-Complicated Hallux Valgus Surgery

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# Introduction

- High prevalence of HV (♀ 30%; ♂ 13%)<sup>1</sup>
- Surgery if conservative treatment fails
- 25-33% of patients dissatisfied regarding surgery
- **Objective:** Evaluate patients' perspective regarding function and satisfaction following one-sided primary hallux valgus open surgery.

<sup>1</sup> Nix S et al., J Foot Ankle Res. 2010;3



# Material and Methods

2011 – 2012:

**59 symptomatic HV**, no other associated foot disorders

→ one-sided primary open osteotomy procedures for HV  
(Foot and Ankle Dpt. – experienced surgical team)

→ Telephone interviews

→ FADI – Foot and Ankle Disability Index

→ Satisfaction – Very satisfied, satisfied, shortly satisfied, dissatisfied

→ Correlation between FADI and age – Spearman's Test



# Results

**58** HV primary single surgery

16 not answered the phone (2 tries)

12 with contralateral procedure

2 refused to answer

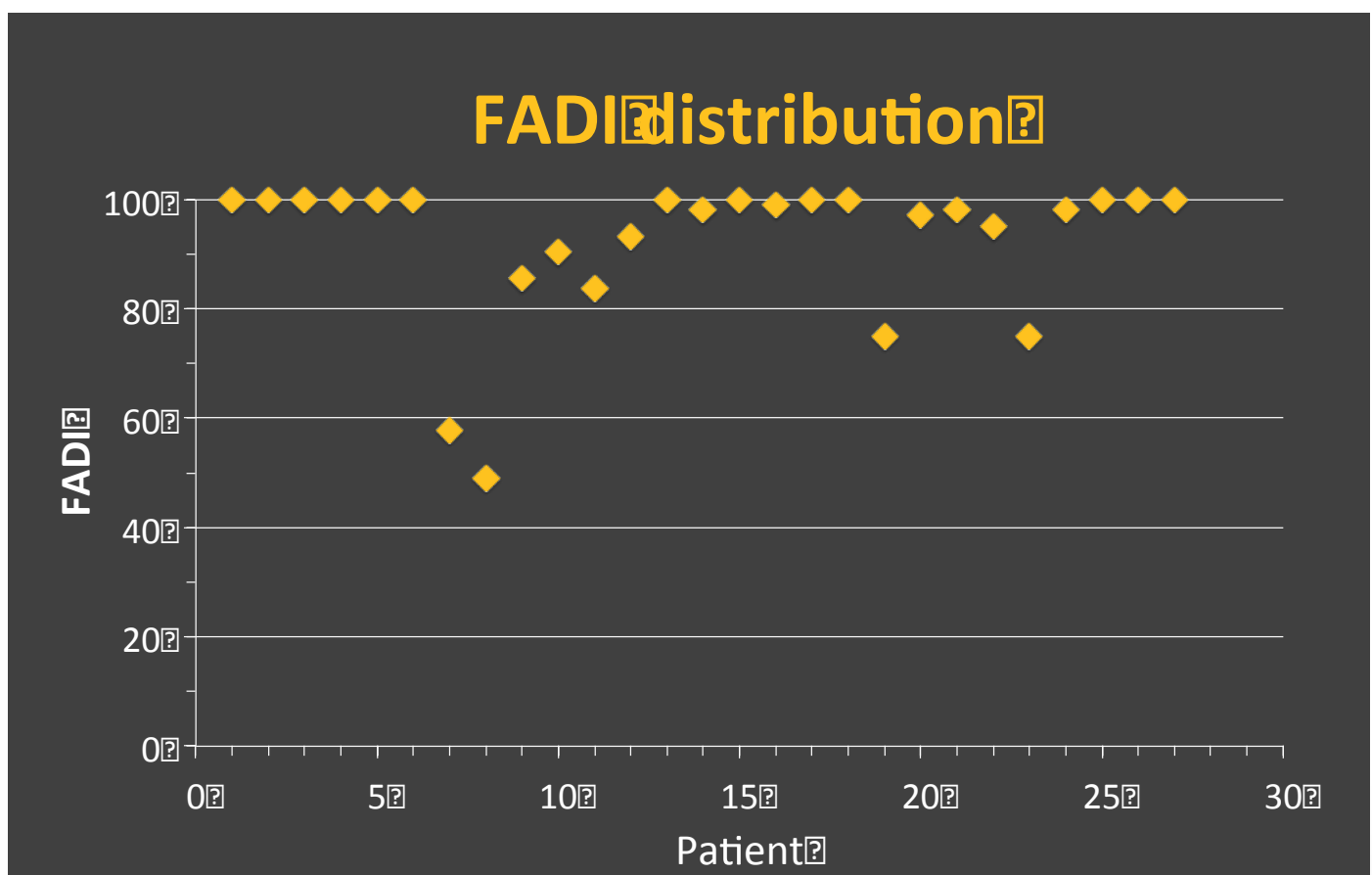
1 reoperated for insufficient correction

**27** Cases

**22** Chevron  $\pm$  Akin, **3** Akin, **2** Scarf osteotomies



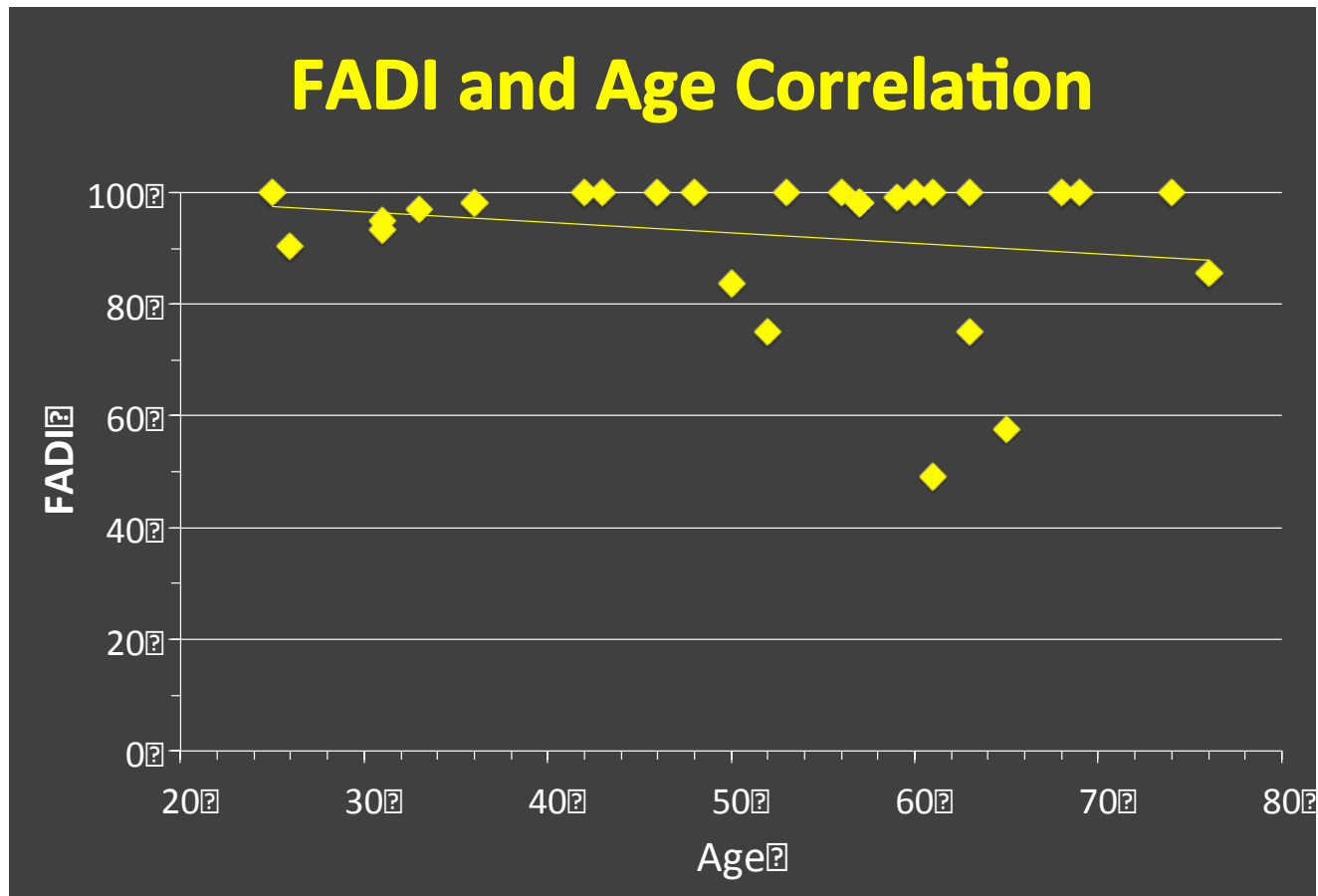
# Results



Average **92.4** **13.6**



# Results



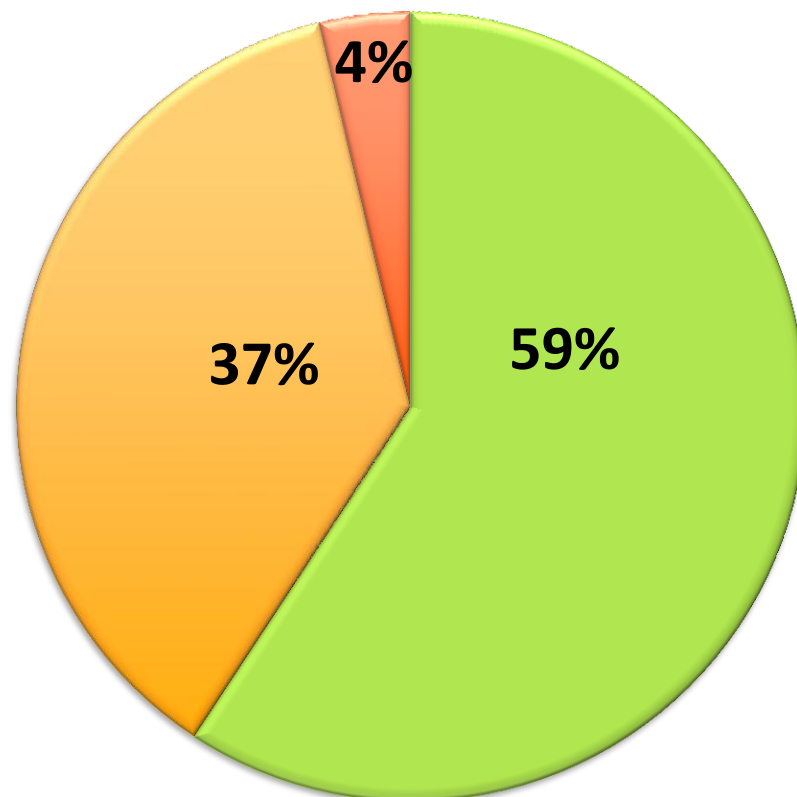
***No correlation between FADI and Age (Spearman's test)***



# Results

## Patient's Satisfaction

Very satisfied      Satisfied      Not satisfied





# Discussion

- Patient's expectations<sup>1</sup>
  - Pain-free great toe, no problems wearing shoes
  - Cosmetic appearance (subjective)
- Chevron generates excellent clinical outcomes<sup>2</sup>
- No osteotomy technique was shown to be superior to any other (*Cochrane revision*)
- A high percentage (25–33%) of patients remain dissatisfied at follow-up (*Cochrane revision*)

1. Schneider W, Knahr K, Int Orthop, 2001, 25:382–385

2. Schneider W et al., J Bone Joint Surg Br. 2004;86(7):1016-1020

3. Ferrari J et al. Cochrane Database Syst Rev. 2009;(2):CD000964.





# Conclusions

Patients submitted to hallux valgus non-complicated open surgical procedures, with no other associated foot disorders, **reveal excellent foot and ankle functionality level and high degree of satisfaction.**

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Thank you!