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

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Introduction

• High prevalence of HV (♀ 30%; ♂ 13%)\(^1\)
• 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.

\(^1\) 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 ± Akin, 3 Akin, 2 Scarf osteotomies
Results

FADI distribution

Average 92.4 13.6
Results

No correlationship between FADI and Age (Spearman’s test)
Results

Patient’s Satisfaction

- Very satisfied: 59%
- Satisfied: 37%
- Not satisfied: 4%
Discussion

- Patient’s expectations\(^1\)
  - Pain-free great toe, no problems wearing shoes
  - Cosmetic appearance (subjective)

- Chevron generates excellent clinical outcomes\(^2\)

- 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*)

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!