# INDICATIONS OF ACHILLES TENOTOMY IN OLDER CHILDREN TREATED WITH PONSETI TECHNIQUE



eP 34

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## Introduction

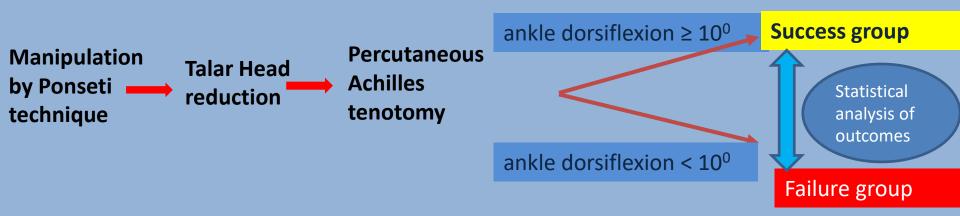
- Club foot treatment in older children by classical Ponseti technique and Achilles tenotomy has been well established
- Inadequate information on indication for equinus correction, ideal foot abduction and ankle dorsiflexion and definition of corrected / braceable foot
- No clear answers whether indications of Achilles tenotomy and standards of equinus correction as used for infants / young children can be utilised for older children

#### Aim

Can reduction of lateral head of talus be used as a reliable indicator to perform percutaneous Achilles tenotomy in older children similar to infants?

#### **Method**

- Study design Short term prospective study
- Inclusion Previously untreated, unilateral / bilateral idiopathic clubfeet of 2-12 years age group



# RESULTS AT A GLANCE

		30 L13 / 11 / 1 0 L1		
•		Parameter	Success	
	bilateral 12)		avouplp_16	foo
•	Success group		group(n=16	iee

Mean age at presentation (years)

Average pretreatment Pirani score

Average pretreatment Dimeglio score

Mean number of casts pre tenotomy

Mean ankle dorsiflexion posttenotomy

foot abduction at talar head

reduction

posttenotomy - 16 feet

deformities - empty heel

(38 feet, 97.4%), equinus

each, 89.7%), adduction

(26 feet, 66.7%) Varus

& rotation, (35 feet

posttenotomy Pirani

(26 feet, 66.7%)

mean residual

score 0.4

(41%)

Residual foot

41%

4.0

12.8

6.1±2.1

39.4+11.1

14.7±5.9

3.3±1.6

(n=23 59%

5.8±2.3

3.8

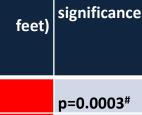
13.3

6.9±2.0

28.7±11.3

4.1±6.1

Failure group



Statistical

p=0.5484\*

p=0.6816\*

p=0.2340#

p=0.0027#



Case illustration: before ponseti casting (a), Post tenotomy success group(b), failure group (c) and residual equinus (d)

## **Conclusion**

 Reduction of lateral head of Talus was not found to be a reliable indicator for percutaneous Achilles tenotomy in the older child. Residual deformities may be associated with recurrences



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