Are traumatic experiences and pain-related cognitions and emotions associated with pain and disability before and after Total Hip Arthroplasty? A preliminary analysis*

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INTRODUCTION

- Dysfunctional pain-related cognitions and emotions are known contributors to pain and disability in persons with musculoskeletal pain conditions, and can lead to poor treatment outcomes
- Increasing evidence suggests that childhood trauma increases the risk of developing chronic pain

RESEARCH QUESTION

Are traumatic experiences and preoperative pain-related cognitions and emotions



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The link between traumatic experiences, pain-related cognitions and emotions, and pain and disability in persons with hip OA and after THA has not yet been established

associated with pain and disability before and after total hip arthroplasty (THA)?

METHODS

Participants



10 persons with hip OA Mean age 59.60 (±13.70) years

Measures

Traumatic experiences

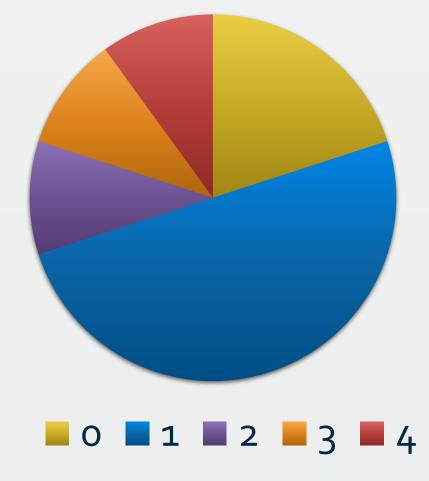
 Childhood Trauma Questionnaire (CTQ) Traumatic Experiences Checklist (TEC)

RESULTS

Descriptive statistics

Measure	Mean (SD)
HOOS T1	39.7 (15.78)
HOOS T ₂	73.2 (25.10)
TEC	1.40 (1.27)
CTQ	29.70 (3.40)
FACS-D	35.50 (14.80)
IEQ	8.00 (7.78)

Number of traumatic experiences





Pain-related cognitions and emotions

- Fear-Avoidance Components Scale-Dutch (FACS-D)
- Injustice Experience Questionnaire (IEQ)

Pain and disability

Hip Disability and Osteoarthritis Outcome Score (HOOS)

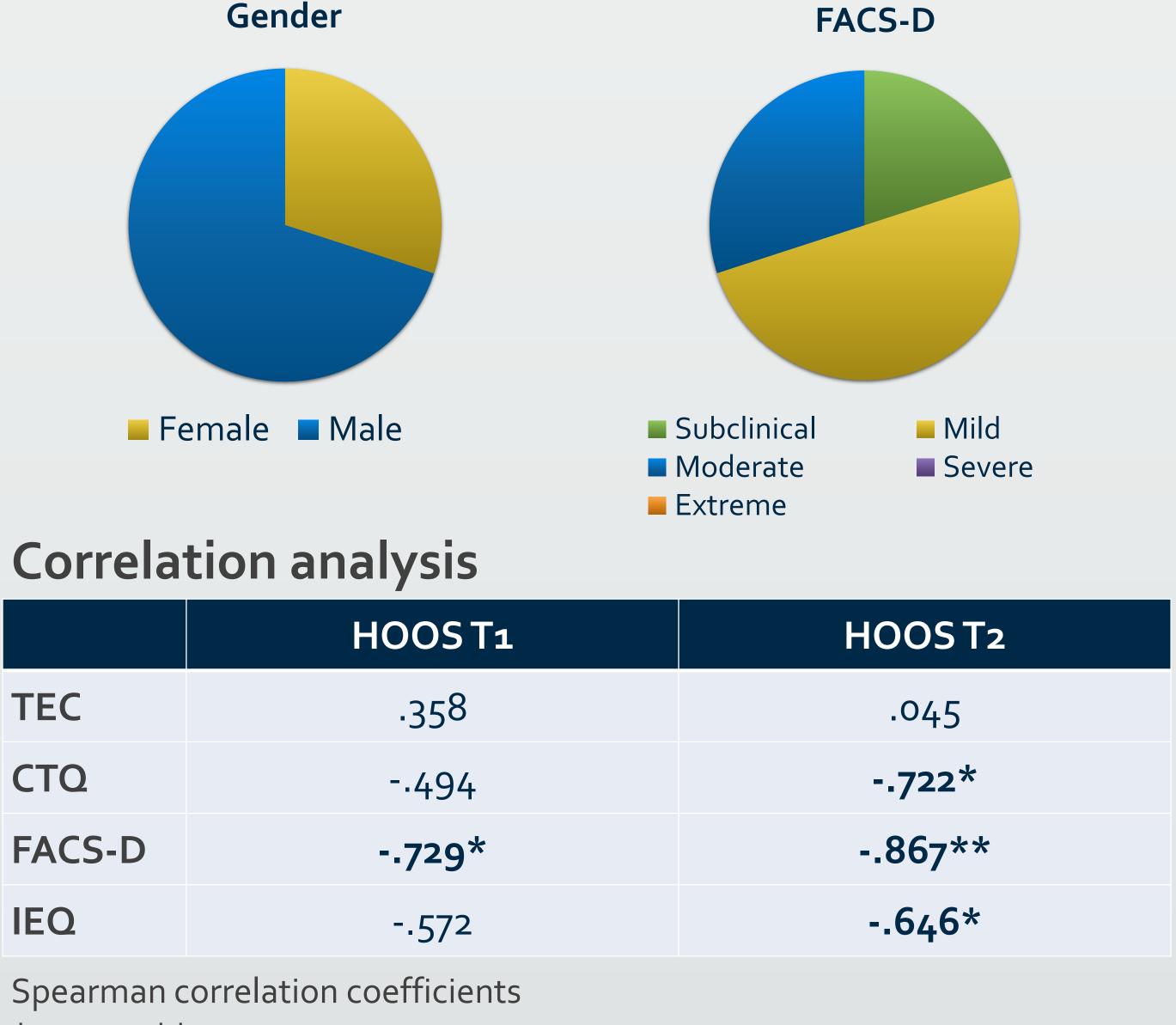
Timeline

Preoperative (T1)	3m postoperative (T2)
TEC & CTQ	- HOOS
FACS-D & IEQ	
HOOS	

Statistics

Spearman correlation coefficients

*ClinicalTrials.gov Identifier: NCT05265858



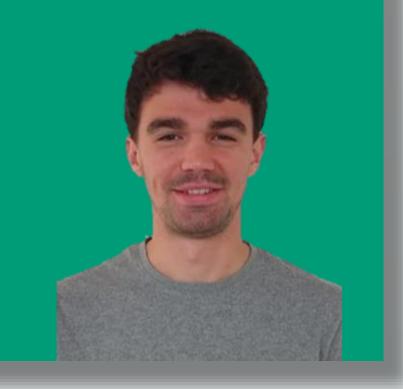
*p<0.05; **p<0.01

CONCLUSIONS

Preoperative fear-avoidance showed a high positive correlation with pre-and postoperative pain and disability Childhood trauma and perceived injustice were positively correlated with **postoperative pain and disability** • Given the small sample size, these preliminary results should be interpreted cautiously

CONTACT INFORMATION





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