

Interoception in patients with fibromyalgia compared to healthy controls: preliminary results

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BACKGROUND AND AIMS

Fibromyalgia is a chronic widespread pain condition characterized by point tenderness, fatigue, sleep disturbance, cognitive complaints, and increasing somatic complaints.

It is hypothesized that interoceptive dysfunctions could be important mechanisms underlying functional syndromes such as fibromyalgia.

Three constructs of interoception:

- **Interoceptive accuracy**
- **Interoceptive sensitivity**
- **Interoceptive awareness**

The aim of this study is to examine all constructs of interoception in patients with fibromyalgia and healthy controls.

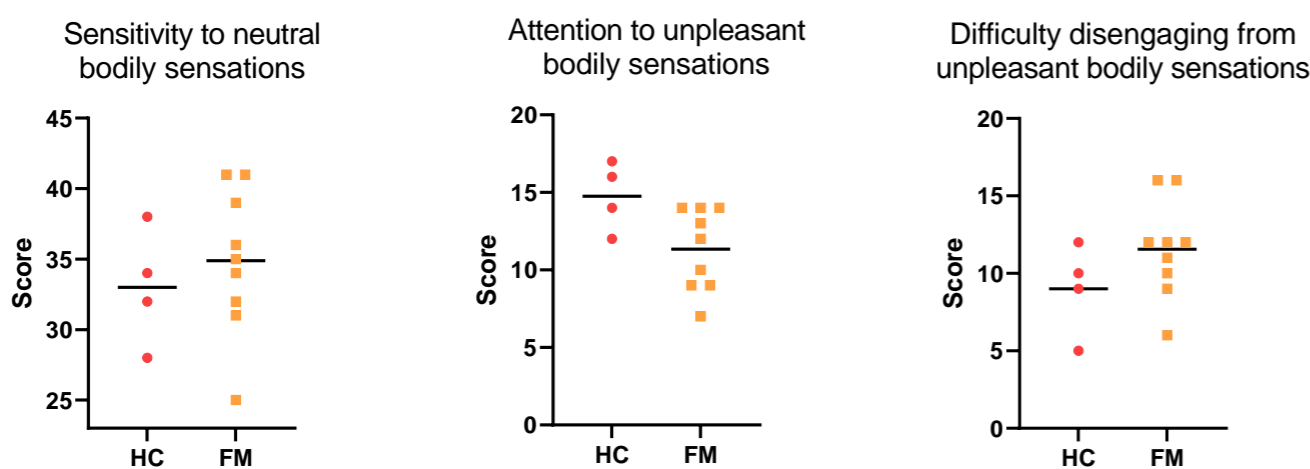
METHODS

- The goal is to include 26 patients with fibromyalgia and 26 healthy controls.
- **Interoceptive accuracy:** Respiratory occlusion discrimination task (ROD-task).
 - Quantified as the just noticeable difference (JND) in short inspiratory occlusions.
- **Interoceptive sensitivity:** Self-report questionnaires.
 - Quantified as the scores on the subscales of the Interoceptive Sensitivity and Attention Questionnaire (ISAQ).
 - Quantified as the scores on the subscales of the Three-domain Interoceptive Sensations Questionnaire (THISQ).
- **Interoceptive awareness:** ROD-task + visual analogue scale.
 - Quantified as the relationship between the correctness of trials on the ROD-task and scores on a visual analogue scale that measures certainty of response using the area under the receiver operating characteristic (ROC) curve.

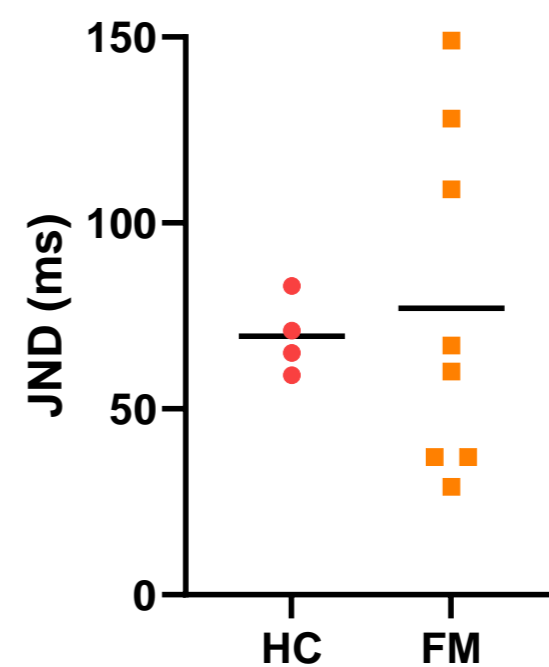
PRELIMINARY RESULTS

INTEROCEPTIVE SENSITIVITY

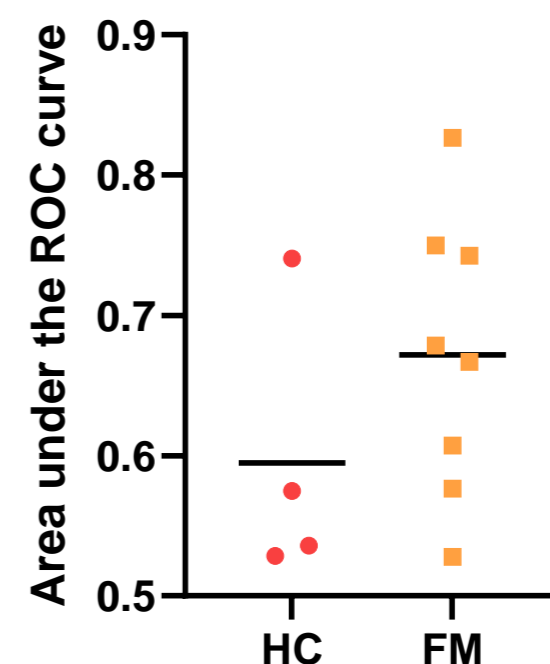
Interoceptive Sensitivity and Attention Questionnaire (ISAQ)



INTEROCEPTIVE ACCURACY



INTEROCEPTIVE AWARENESS



Means are displayed in each graph for interpretational purposes
 HC = healthy controls
 FM = fibromyalgia

Three-domain Interoceptive Sensations Questionnaire (THISQ)

