Not my body, not my pain? Pain perception and placebo analgesia in individuals with Body Integrity Dysphoria

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Introduction

- · Physical pain is inherently linked to our body perception.
- Insight into the relationship between clinical alterations in body perception and pain is limited.
- The current study examined both pain perception and placebo analgesia in Body Integrity Dysphoria (BID), a more permanent clinical model of bodily disownership.





Methods



Discussion

- · A pathologically reduced sense of body ownership is associated with lower sensitivity to pain and reduced top-down modulation by placebo.
- Patients with BID demonstrated higher pain thresholds, as well as lower pain intensity and unpleasantness ratings when heat stimuli were applied to their undesired as compared to their desired leg.
- Placebo analgesia for pain thresholds was successfully induced to the desired leg only.
- Placebo responses to pain intensity and unpleasantness ratings were not found for either leg, which might suggest generally diminished placebo responses.

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Limitations

· Small sample size

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· No sensory discrimination tests

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