Manipulation of affective state on the experience of acute pain

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Worry
Catastrophizing
Pain Avoidance Model

- Disability Depression
- Injury
- Pain Experience
- High Catastrophizing
- Low Catastrophizing
- Engage Recovery
- Acceptance

- Escape Avoidance
- Pain Anxiety
- Fear of Pain
- Negative Affectivity
- Environmental Threat
Pain Avoidance Model

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Hypotheses

• Mood induction
• Main effect of condition
  – Worry & Happy
• Worry vs. Catastrophizing
Methodology

PRE
Random assignment of condition

Focal Pressure Stimulator

MID
WAPQ
PCS

Mood Induction (Happy or Worry)
Focal Pressure Stimulator

POST
WAPQ
PCS
Focal Pressure Stimulator

- Light: 206g (2.83 N)
- Medium: 315g (3.89 N)
- Heavy: 532g (6.02 N)
- Extra Heavy: 793g (8.75 N)
Results

Average Number of Words

Condition

Happy

Worry

Positive Affect

Negative Affect

Pain
null
<table>
<thead>
<tr>
<th>Variable and Measures</th>
<th>B</th>
<th>p</th>
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<tbody>
<tr>
<td>Total Weight Pre</td>
<td>0.869</td>
<td>0.000</td>
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### Variable and Measures

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**Step 1:**

| Total Weight Pre | 0.869 | 0.000 |

**Step 2:**

| Condition(Worry, Happy) | 0.215 | 0.000 |
Variable and Measures | B | p
---|---|---

Step 1:

Total Weight Pre | 0.869 | 0.000

Step 2:

Condition(Worry, Happy) | 0.215 | 0.000

Step 3:

Change in Worry(WAPQ) | 0.125 | 0.052

Change in Pain Catastrophizing(PCS) | 0.112 | 0.103
Discussion

• Mood induction
• Main effect of condition
  – Worry & Happy
• Worry vs. Catastrophizing
Thank you