SILVER B
Market Size

30 Million frequent travelers in the US

15 Million people with anxiety in the US
Testing: Viability of Nitinol

- Compresses under current
- Not decompress when current stops
- Need to physically re-shape the wire
Pivoting
# Benchmark

<table>
<thead>
<tr>
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<th>Normatek</th>
<th>Compression Socks</th>
<th>CompresSleeve</th>
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<tbody>
<tr>
<td>Cost</td>
<td>-</td>
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<tr>
<td>Mobility</td>
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<td>Effectiveness</td>
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Revolutionary compression sock incorporating nitinol wire

Sock pressure varies to induce user muscle contractions.
Actively Constricted Section
Actively Constricted Section
Actively Constricted Section
Strength Test

- 2.5 ft of Nitinol wire
- Linear force scale
- ¼ lb-force per wire
- 8 wires per leg section
- ~ 2lb of force applied per section
Reaction Test

- User wears compression sock
- Strings and force gauge used to apply quick pressure to calf area
- Observe to see user reaction to force up to 5lbs
Results

• User visibly contracts when senses pain or discomfort
• Users noted pain at 20 wires worth of force (4lb of force)
• User more likely to flex muscle the longer the extra pressure remained
Future Questions

• Does 2lb of force induce non-visible micro contractions?
• How do we measure those?