Device for Treatment of Tendinopathy

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Tendinopathy
Chronic tendon pain occurs in ~12% of the US population, with 15% to 40% of these patients not responding to standard treatment.

- Physical therapy
- Drugs
- Rest
- Surgery

$1.5 billion a year is reimbursed for medical procedures performed on non-responders.
Treatment for Non-Responders

• Minimally invasive percutaneous tenetomy used to treat non-responders to standard therapy

• Tenetomy involves repeated incisions to the tendon to induce trauma using mechanical or ultrasonic energy

• Converts chronic injury to acute injury to restart healing cycle and allow healthy tendon to form
Needle Tenotomy

- Fully manual procedure using standard syringe and needle
- Requires extended procedure time for repeated puncturing with highly variable results
Ultrasonic Tenotomy

- Tenex Health TX

- Performed in OR/ASC setting for reimbursement purposes

- Expensive compared to needle and syringe
Technology

• Ocelot XT device automates mechanical puncturing of tissue using a lightweight motor and specialized tip design

• Therapeutic action employed by device has been validated extensively
Ocelot XT Device
## Advantages

<table>
<thead>
<tr>
<th>Feature</th>
<th>Needle</th>
<th>Tenex</th>
<th>Ocelot XT</th>
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<tbody>
<tr>
<td>Ease of Use</td>
<td></td>
<td>X</td>
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<td>Reliability</td>
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<td>Cost</td>
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<td>Minimal physical footprint</td>
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Value Proposition and Next Steps

• Low cost device with effective results for in-office needle tenetomy

• Attractive market with minimal technical risk

• Systems and Methods for Tissue Treatment
  • PCT patent application filed April 29th, 2015
  • Claims address systems and devices for treatment of damaged tissue

• GRA grant received to finalize prototype and perform device testing on cadaver
Thank You!