REGENERATES TENDONS. REVOLUTIONIZES INTERVENTION.

Biologically stimulates rotator cuff tendon growth\(^1\)

- Demonstrated clinical efficacy\(^1\)
- Excellent safety profile\(^1\)
- Impressive patient outcomes\(^1\)

Supporting healthcare professionals
Changing the course of rotator cuff disease.

Rotator cuff disease is a significant and costly problem\textsuperscript{2-4} that causes ongoing pain and limits patients’ mobility.\textsuperscript{5} Progressive in nature, small tears tend to grow in size and severity over time, eventually requiring surgery.\textsuperscript{1-3}

- Up to 80% of partial-thickness tears increase in size within two years\textsuperscript{6}
- Untreated rotator cuff tendinosis can progress to a partial- or full-thickness tear\textsuperscript{7}
- Larger tears requiring surgery tend to re-tear over 40% of the time\textsuperscript{8,10}

### REGENETEN\textsuperscript{®} Bioinductive Implant

**Now you can disrupt rotator cuff disease progression biologically\textsuperscript{1}**

The REGENETEN Bioinductive Implant stimulates the body’s natural healing response to support new tendon growth and disrupt disease progression.\textsuperscript{1,2} Derived from highly purified bovine Achilles tendon, it creates an environment that is conducive to healing.\textsuperscript{1,2}

### Biologically improve healing

- Proprietary, highly porous implant design facilitates the formation of new tendon-like tissue\textsuperscript{1,2}
- New tissue reduces the peak strain at the site of the tear\textsuperscript{2}
- Gradually absorbs within 6 months and leaves a layer of new tendon-like tissue to biologically augment the existing tendon\textsuperscript{1,2}

### Addressing disease progression at every stage

<table>
<thead>
<tr>
<th>Natural Progression of Rotator Cuff Disease</th>
<th>REGENETEN Bioinductive Implant</th>
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<tbody>
<tr>
<td>Severe Tendinosis/ Low-Grade Partial-Thickness Tears (Failed Conservative Treatment)</td>
<td>High-Grade Partial-Thickness Tears</td>
</tr>
<tr>
<td>In conjunction with subacromial decompression (SAD)</td>
<td>In lieu of standard repair</td>
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<tr>
<td></td>
<td>Full-Thickness Tears</td>
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<td>In conjunction with standard repair</td>
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</tbody>
</table>
Proven results. Positive outcomes.†

Demonstrated clinical efficacy
- Induction of new tendon-like tissue in all patients (N=33)
- Mean increase of tendon thickness of 2.2 mm (P < 0.0001) at 3 months
- Reduction in defect size of at least 1 grade†

Excellent safety profile
- No foreign body/inflammatory reaction
- No implant-related complications

Impressive patient outcomes
- High patient satisfaction (94%) after 1 year
- Rapid recovery; average 23 days of sling time
- Significantly improved ASES pain score at 1 year (P < 0.0001)‡

*Results from a prospective multi-center study of patients with partial-thickness tears. Patients had chronic, degenerative, intermediate grade (n=12) or high grade (n=21) partial-thickness tears of the supraspinatus tendon. The REGENETEN Biomedical Implant was attached following arthroscopic subacromial decompression without repair. Clinical outcomes were assessed pre-op and at 3 and 12 months post-op using American Shoulder and Elbow Surgeons (ASES) and Constant-Murley (CM) scores. Post-op tendon healing and thickness was assessed with MRI.
†In 31 (94%) patients over 12 months.
‡ASES pain score improved from 4.2 ± 0.4 standard error of mean (SEM) at baseline to 0.6 ± 0.2 (SEM) at 1 year.
**REGENETEN® Bioinductive Implant System**

The right solution for your patients

- Stimulates the body’s natural healing response to support new tendon growth and disrupt disease progression\(^2\)
- Clinically proven to increase tendon thickness\(^1,3\)
- Delivers excellent outcomes in patient satisfaction, recovery, and pain scores\(^1\)

### Ordering information

<table>
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<th>Implants</th>
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</table>

Another innovation from Smith & Nephew Shoulder Solutions.

### Sports Medicine

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Supporting healthcare professionals for over 150 years

### References