

REGENETEN SOLUTION



Changing the
course of rotator
cuff disease

 **smith&nephew**
REGENETEN[®]
Bioinductive Implant

Supporting healthcare professionals

What is a rotator cuff tear?

The rotator cuff is a group of muscles and tendons that hold the shoulder joint in place and allow you to move your arm and shoulder. Rotator cuff tears are most often caused by chronic wear and tear with degeneration of the tendon and the prevalence of tears increases with age.¹ Among the most common musculoskeletal conditions, rotator cuff tendon tears are therapeutically challenging for orthopedic surgeons.

Risk Factors

Increasing age may represent a poor healing environment with reduced biomechanical properties of the tendon.²

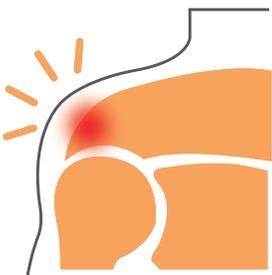
Key Symptoms^{3,4}

- Pain at rest and at night, particularly if lying on the affected shoulder
- Pain when lifting and lowering your arm or with specific movements
- Weakness when lifting or rotating your arm
- Crepitus or crackling sensation when moving your shoulder in certain positions

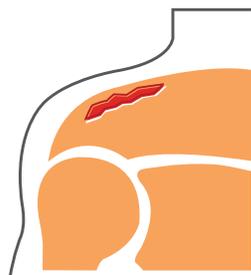
Disease progression

- Rotator cuff disease is a progressive disease that worsens if left untreated:

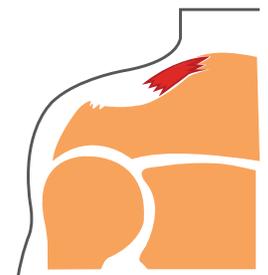
Severe Tendinosis



Partial-Thickness Tear



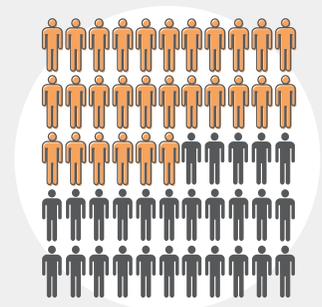
Full-Thickness Tear



- Untreated rotator cuff tendinosis can progress to a partial - or full - thickness tear⁵
- Small tears tend to grow in size and severity, eventually requiring surgery⁶⁻⁸
- Up to 80% of partial-thickness tears increase in size within 2 years⁹

>50%

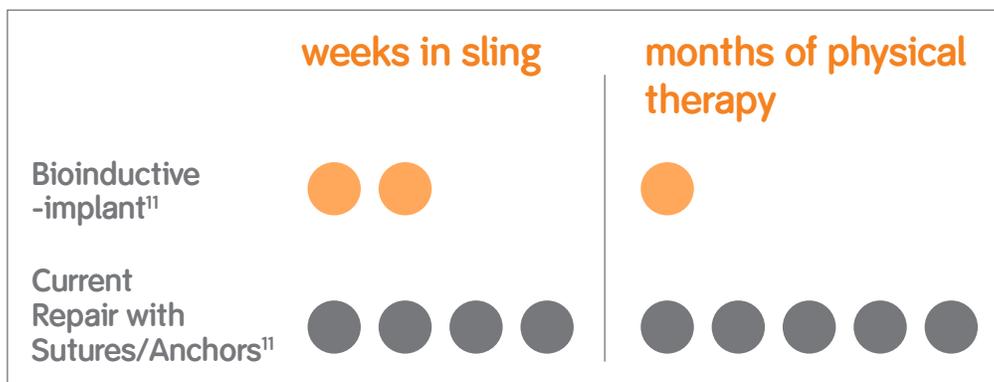
of asymptomatic rotator cuff tears progress in size within three years.¹³



The REGENETEN[®] Solution

Traditional approaches focus only on biomechanical repair, but do not address the underlying biology of the tendon. The Smith & Nephew Rotator Cuff System is a new technology for improving the treatment of rotator cuff disease. It includes a bio-inductive implant that addresses both the biomechanics and biology required to heal a rotator cuff tear.¹²

Recovery: Current Standard of Care vs REGENETEN Solution

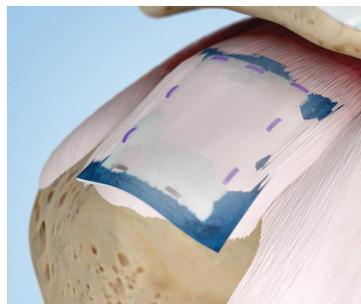
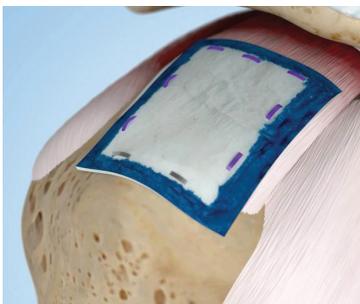


Key Outcomes

- Early intervention to reverse tear progression^{6, 7, 10}
- Preserves healthy tissue^{6, 10}
- Consistent healing of the tear^{6, 10}
- Fast return to normal activity¹³
- Potentially reduces re-tears¹⁰
- Helps to restore the rotator cuff footprint¹⁰

Bioinductive implant

This proprietary implant from Smith & Nephew stimulates the body's natural healing response to support new tendon growth and disrupt disease progression.⁶



The REGENETEN Bioinductive Implant gradually absorbs within 6 months and leaves a layer of new, tendon-like tissue to biologically augment the existing tendon.¹²

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Supporting healthcare professionals for over 150 years

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