

## **Rotator Cuff Repair Surgery: *New TOE technique shows improved rate of healing***

**Rotator cuff surgery** has undergone significant improvement over the past decade due to ultra-strong suture anchors and materials. One of the latest techniques, ***Transosseous Equivalent (TOE) Repair*** was the subject of a recent study by the ONS Foundation, and the results demonstrated dramatic improvements in healing rates.

Surgical repairs, performed either *arthroscopically* or *open*, have had inconsistent rates of healing. Furthermore, the larger the tear- the more likely the repair will fail. While patients may notice some improvement even when the tendon has not completely healed, patients whose tendon successfully heals to the bone experience less pain and greater post-operative strength.

**The ONS Foundation study showed that using the TOE repair resulted in an exceptionally high success rate of healing for large rotator cuff tears, compared to the current reports on single and traditional double row repairs.** This study involved over 40 ONS patients who underwent a TOE repair and were evaluated with an MRI scan one year after surgery.

Not all rotator cuff repairs will heal, which may represent limitations of biological healing in certain situations. However, surgical techniques continue to improve. The results of this study indicate that using the TOE repair will improve the probability of successful healing for large tears.

**ONS Foundation for Clinical Research and Education, Inc.** is a registered not-for-profit, 501(c)3 organization devoted to understanding the causes and optimal treatments of orthopedic injuries and musculoskeletal conditions. The ONS Foundation, in alliance with Greenwich Hospital, strives to improve standards of excellence for the treatment of musculoskeletal disorders through clinical research, physician and patient education, and community outreach programs. The Foundation sponsors injury prevention and other seminars throughout the year. The office is located at 6 Greenwich Office Park, 10 Valley Drive, Greenwich, CT. For further information about the ONS Foundation, visit [www.ons-foundation.org](http://www.ons-foundation.org) or call (203) 869-3131.

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