

**ROTATOR
CUFF REPAIR
WITH STATAK[®]
SUTURE
ANCHORS**

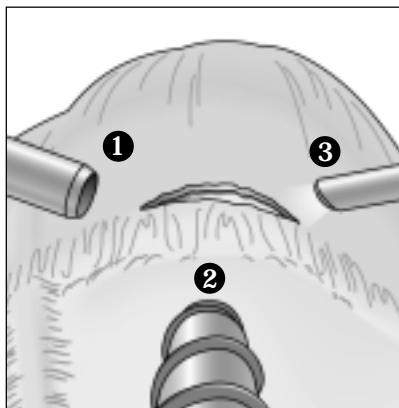
**SURGICAL
TECHNIQUES
ARTHROSCOPIC & OPEN**



ARTHROSCOPIC TECHNIQUE

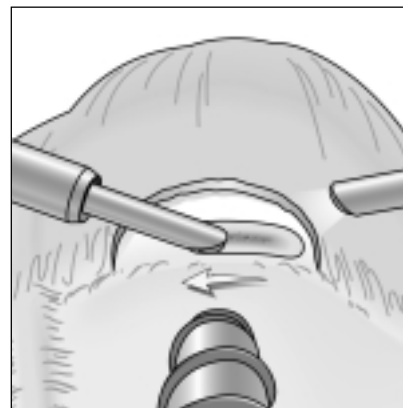
1 CANNULA PLACEMENT

- ① Anterior cannula
- ② Lateral cannula
- ③ Posterior cannula



2 CREATE TROUGH

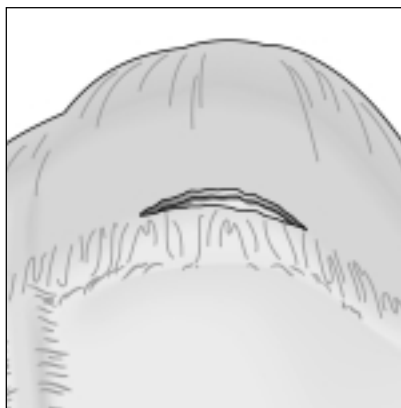
Debride the frayed edge of the rotator cuff tear. Using a burr, create a 4 - 5mm wide trough adjacent to the articular cartilage of the humeral head, just deep enough to expose bleeding bone.



OPEN TECHNIQUE

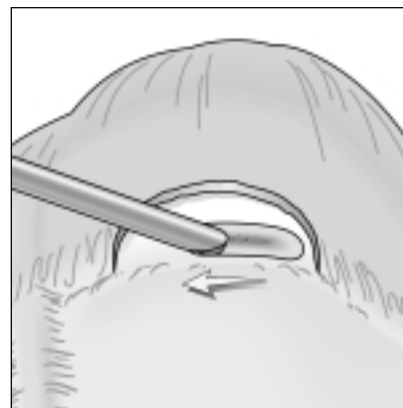
1 EVALUATE GLENOID RIM

Evaluate the shoulder to determine the size and location of the tear, as well as potential insertion sites for *Statak*[®] Suture Anchors.



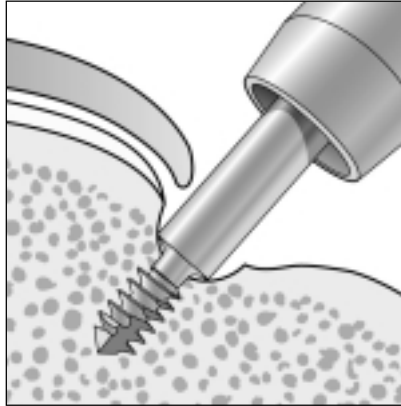
2 CREATE TROUGH

Debride the frayed edge of the rotator cuff tear. Using a burr, create a 4 - 5mm wide trough adjacent to the articular cartilage of the humeral head, just deep enough to expose bleeding bone.



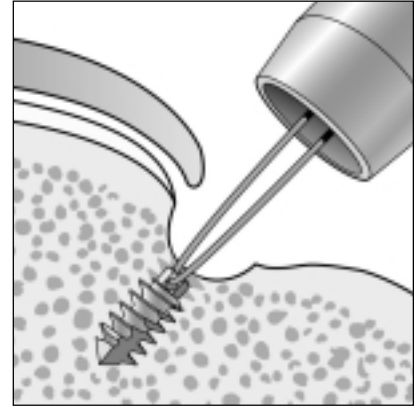
3 INSERT ANCHOR

Connect the driver to a drill, and insert into the lateral cannula. Position the driver at a 45 - 60° angle to the humeral shaft. With the drill in "ream" mode, advance the anchor into the humeral head lateral to the articular cartilage. When the shoulder of the driver contacts bone, continue to insert for at least two more revolutions to countersink the anchor. The driver will automatically separate from the anchor to avoid overdrilling or stripping of bone.



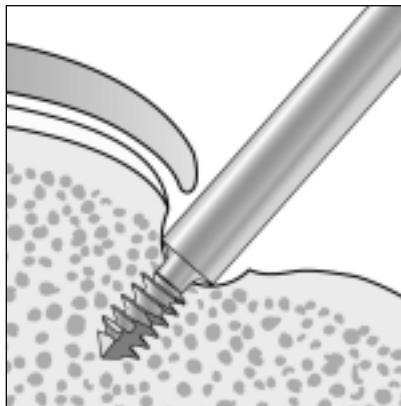
4 CONFIRM ANCHOR SECURITY

Pull the drill straight back to expose the enclosed suture. Then, pull firmly on the suture to test anchor security.



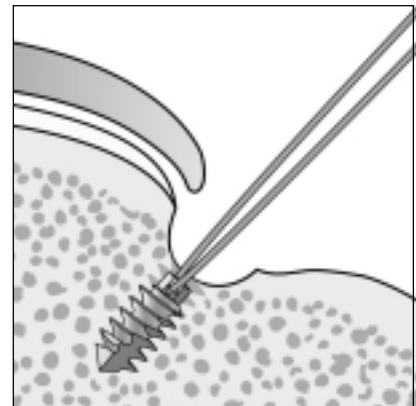
3 INSERT ANCHOR

Connect the driver to a drill, and position in the trough at a 45 - 60° angle to the humeral shaft. With the drill in "ream" mode, advance the anchor into the humeral head lateral to the articular cartilage. When the shoulder of the driver contacts bone, continue to insert for at least two more revolutions to countersink the anchor. The driver will automatically separate from the anchor to avoid overdrilling or stripping of bone.

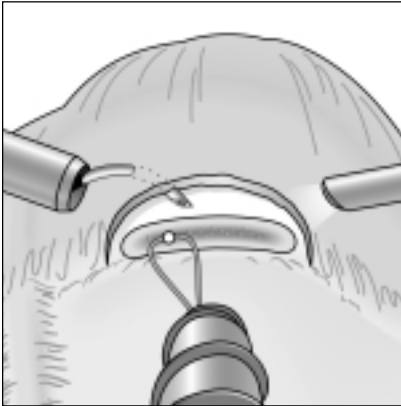


4 CONFIRM ANCHOR SECURITY

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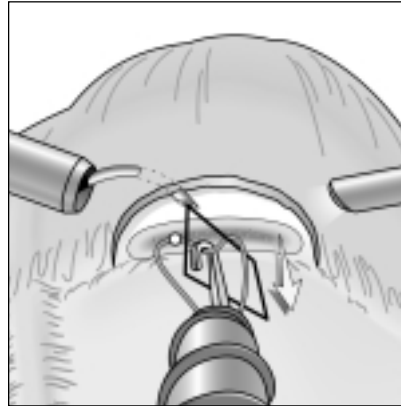


5 ADVANCE SUTURE RETRIEVER



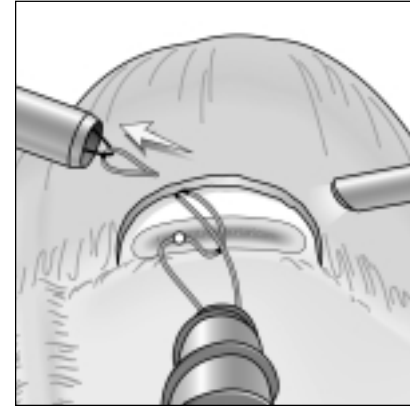
Using a *Blitz*™ Suture Retriever in the anterior cannula, advance the curved tip through the rotator cuff.

6 RETRACT SUTURE



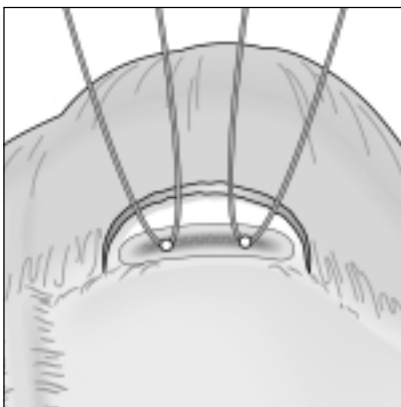
Deploy the wire loop of the *Blitz*. From the lateral cannula, insert the Crochet Hook or the Suture Retrieval Forceps through the wire loop and retract one suture strand. Care must be taken to avoid pulling the suture out of the anchor eyelet.

7 RETRIEVE SUTURE



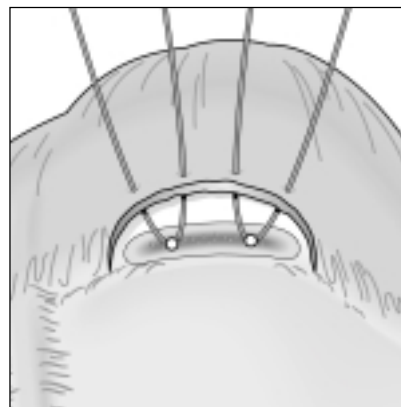
With the wire loop still deployed, pull the *Blitz* back through the cuff and out the cannula. The *Blitz* will carry the suture strand through the tissue.

5 PLACE ADDITIONAL ANCHORS



Place one or more additional anchors into the trough in a similar manner.

6 PASS SUTURE THROUGH CUFF



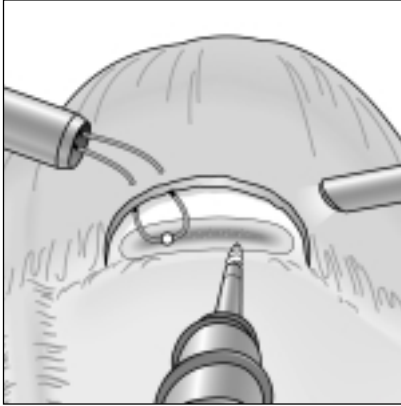
Using a free needle, pass each suture strand through the cuff edge from inferior to superior, approximately 1cm apart.

7 SECURE CUFF TO BONE TROUGH



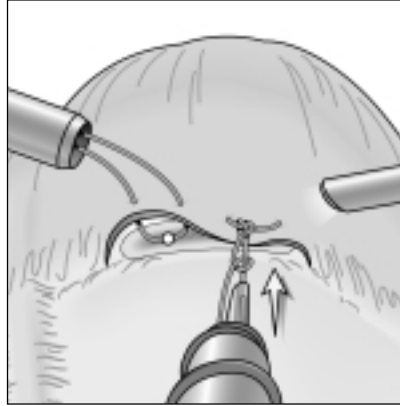
Secure the torn cuff to the bone trough using mattress stitches. Cycle the arm through a full range of motion to test the repair. Then, re-approximate and close all tissues.

8 PLACE ADDITIONAL ANCHORS



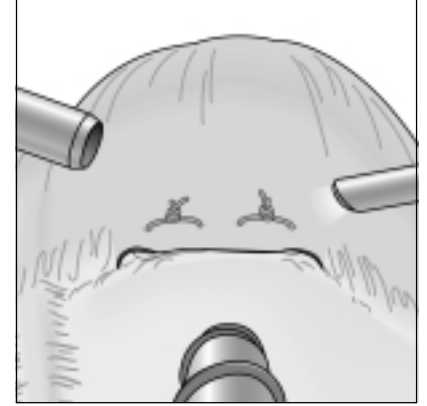
Pass the second suture strand through the cuff to complete a mattress stitch. In a similar manner, place one or two additional anchors and pass all of the sutures through the cuff.

9 ADVANCE ADDITIONAL HALF-HITCHES



Untangle suture strands that may have become twisted. Then, advance four or five alternating half-hitches down to the cuff using a knot pusher.

10 TEST THE REPAIR



Cycle the arm through a full range of motion to test the repair. Then, re-approximate and close all tissues.

Statak Suture Anchors	Cat. No.
2.5 x 7.6mm, with #0 braided suture	2344-50
3.5 x 9.0mm, with #2 braided suture	2344-72
5.0 x 10.9mm, with #2 braided suture	2344-62
5.2 x 11.2mm, with #2 braided suture	2344-75

Accessories

Loop Handle Knot Pusher	2344-36
Crochet Hook	2344-37
Suture Retrieval Forceps	2344-49
2.75mm Micro-Scissors, straight	2344-53
5.5 x 70mm Shoulder Cannula Kit	2344-54
8.4 x 75mm <i>Cannuloc</i> [™] Threaded Cannula	2344-59
8.4 x 75mm <i>Cannuloc</i> Reusable Obturator	2344-60
<i>Blitz</i> Suture Retriever (sterile, single-use)	2344-79
<i>Blitz</i> Suture Retriever 45° left (sterile, single-use)	2344-89
<i>Blitz</i> Suture Retriever 45° right (sterile, single-use)	2344-99
2.5/3.5mm <i>Statak</i> Drill Guide	2344-97
5.0/5.2mm <i>Statak</i> Drill Guide	2344-98

Statak Suture Anchors were developed in conjunction with E. Marlowe Goble, M.D., Logan, UT.—U.S. Patent 4,632,100

Blitz Suture Retriever was developed in conjunction with Burton F. Elrod, M.D., Nashville, TN.

Blitz[™] is a trademark of Linvatec Corp.

Cannuloc Reusable Obturator and Threaded Cannula were developed in conjunction with Eugene Wolf, M.D., San Francisco, CA.

Cannuloc[™] is a trademark of Linvatec Corp.