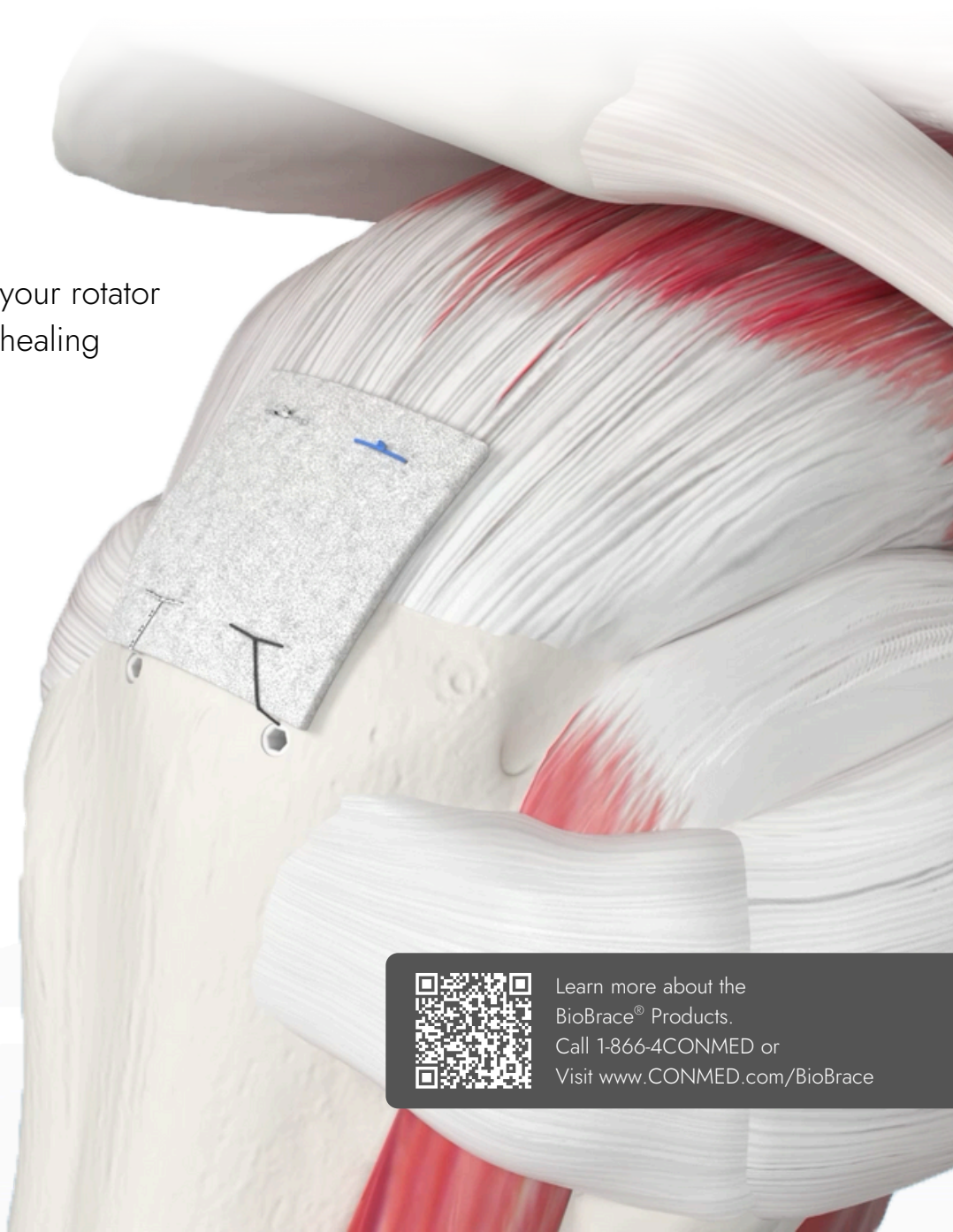




BioBrace[®]RC

Delivery System for Arthroscopic Augmentation of Rotator Cuff Repair
Surgical Technique Guide

Technique to strengthen your rotator cuff repair and optimize healing using BioBrace[®]RC.



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Technique Preface

BioBrace[®] is a novel reinforced bioinductive implant that uniquely harnesses the regenerative properties of collagen while providing immediate strength to protect the repair during the vulnerable healing period.¹

BioBrace[®]RC is an innovative arthroscopic delivery system designed to enhance the repair of full-thickness rotator cuff repairs with a simplified procedure for augmentation with BioBrace[®]. Ready to use straight out of the packaging, BioBrace[®]RC simplifies suture management and passing for a faster, easier procedure.

The following outlines a simple and efficient technique to augment a rotator cuff repair using the BioBrace[®]RC Delivery System.

Procedural Setup Recommendations

Cannula Selection and Placement

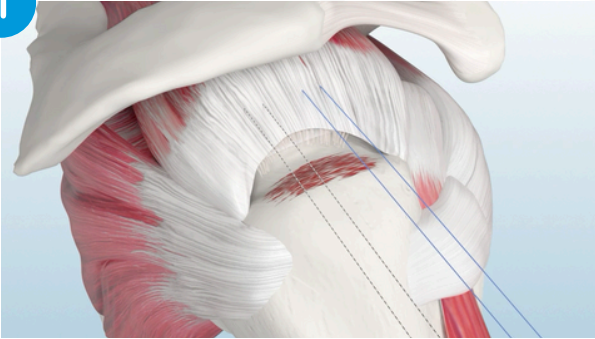
- A minimum 10mm diameter cannula is recommended for the lateral portal. The lateral portal will be utilized to insert the BioBrace[®] implant into the joint space. Larger cannula sizes reduce friction during insertion.
- The lateral cannula should be placed more lateral than standard. Insertion and fixation of the BioBrace[®] implant is made easiest when BioBrace[®] is inserted parallel to the rotator cuff. Use of a spinal needle to confirm that cannula placement is inline with the rotator cuff is recommended.

Accessory Portals

- Accessory portals are recommended for suture management. When not actively passing and/or tying suture, it is beneficial to have all suture docked through an accessory portal to reduce the risk of suture tangling.
- The use of anterolateral and posterolateral accessory portals are the most beneficial for suture management.
- Anchor insertion through accessory portals increases efficiency through decreasing suture docking steps.

Rotator Cuff Augmentation with BioBrace^{RC}

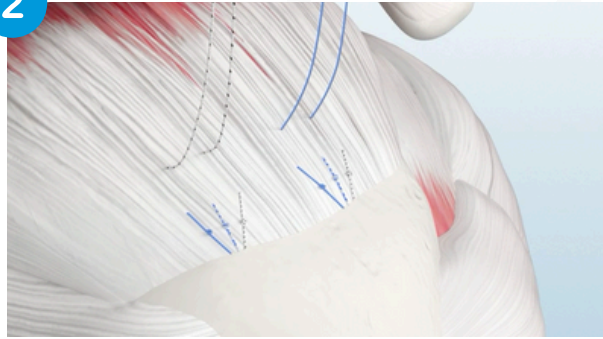
1



Pass Free Suture Through the Rotator Cuff

- Using free suture, place two mattress stitches in the medial aspect of the tendon.
- The medial mattress stitches will be utilized to secure BioBrace^{RC} medially.
- Dock all suture through an accessory portal after suture passage.

2



Complete Primary Repair

- Insert two Y-Knot[®] PRO RC All-Suture Anchors loaded with #2 Hi-Fi[®] Suture.
- Complete primary repair as desired.

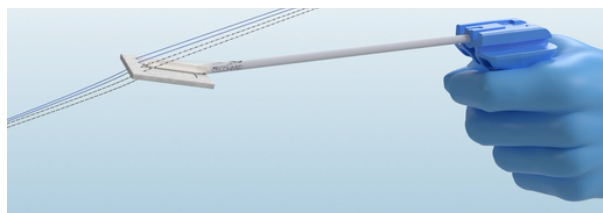
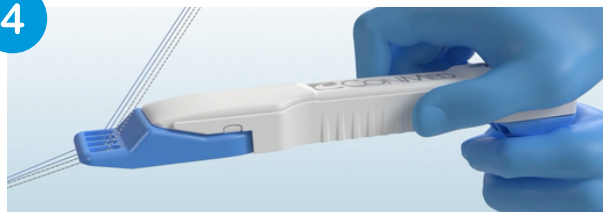
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Load Suture Through BioBrace^{RC}

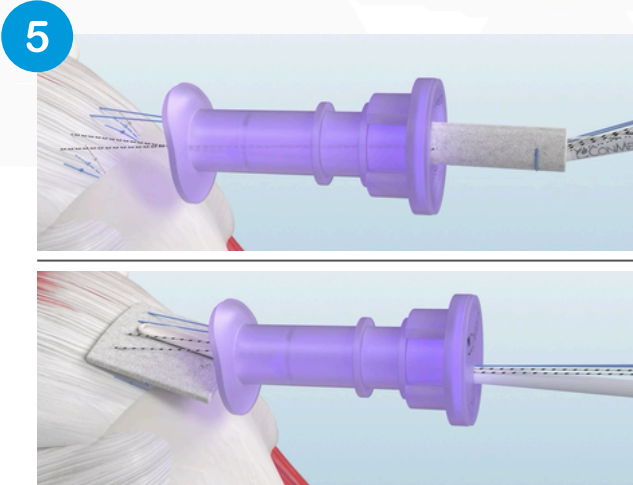
- Position the BioBrace^{RC} suture organizer outside the lateral cannula.
- Using a ring grasper, individually load each suture through its respective hole in the suture organizer.
- Tip: For best results, load approximately 4 inches of suture through the suture organizer. When loading tapes, only load the #2 tail.

4



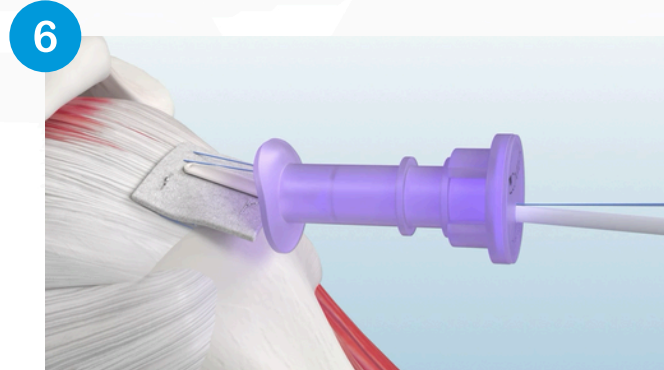
Load Suture Onto BioBrace^{RC}

- Hold the blue handle.
- Slide the grey suture loader in the direction indicated by the arrow on the handle.
- This action will automatically thread the suture through the BioBrace^{RC} implant.
- Discard the suture loading assembly after the suture is loaded.



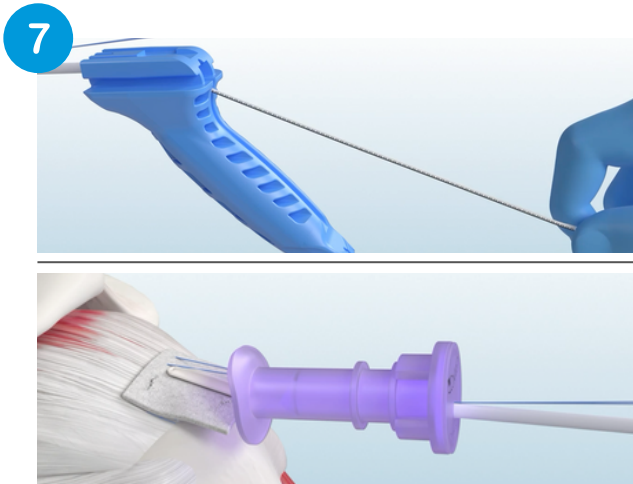
Deliver BioBrace[®] to Repair Site

- While holding upward tension on the medial sutures, deliver BioBrace[®] through the lateral portal and to the repair site.
- Tip: Ensure all slack as been removed from the suture during insertion.



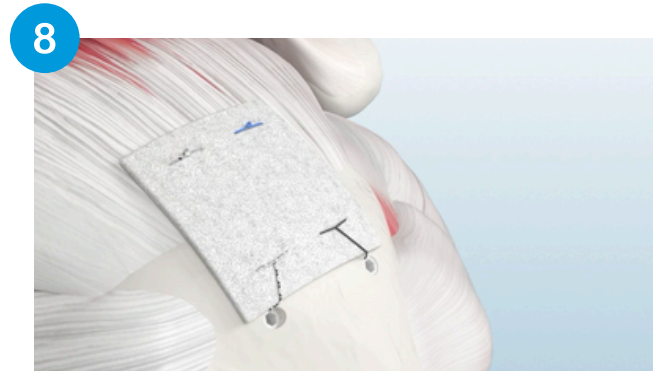
Secure BioBrace[®] Medially

- Dock the medial suture in accessory portals.
- The delivery instrument will remain secured to the BioBrace[®] during docking and tying.
- Tie one set of medial sutures to secure the medial aspect of BioBrace[®] to the rotator cuff.
- Cut the remaining suture from the tied set.
- Optionally, the remaining suture can be retained and brought into the lateral anchors.



Remove Delivery Instrument

- Un-cleave suture from the bottom of the blue handle.
- Suture can be un-cleaved by pulling straight back.
- Withdraw the delivery instrument from the joint space.
- Slide the white retention suture to remove it from the implant.



Complete Augmentation

- Tie and cut the remaining medial row mattress stitch through an accessory portal.
- The BioBrace[®] implant within BioBrace[®]RC is preloaded with lateral fixation sutures.
- Individually secure each limb of the lateral fixation sutures using the Argo Knotless[®] Suture Anchor to complete augmentation of the rotator cuff repair.