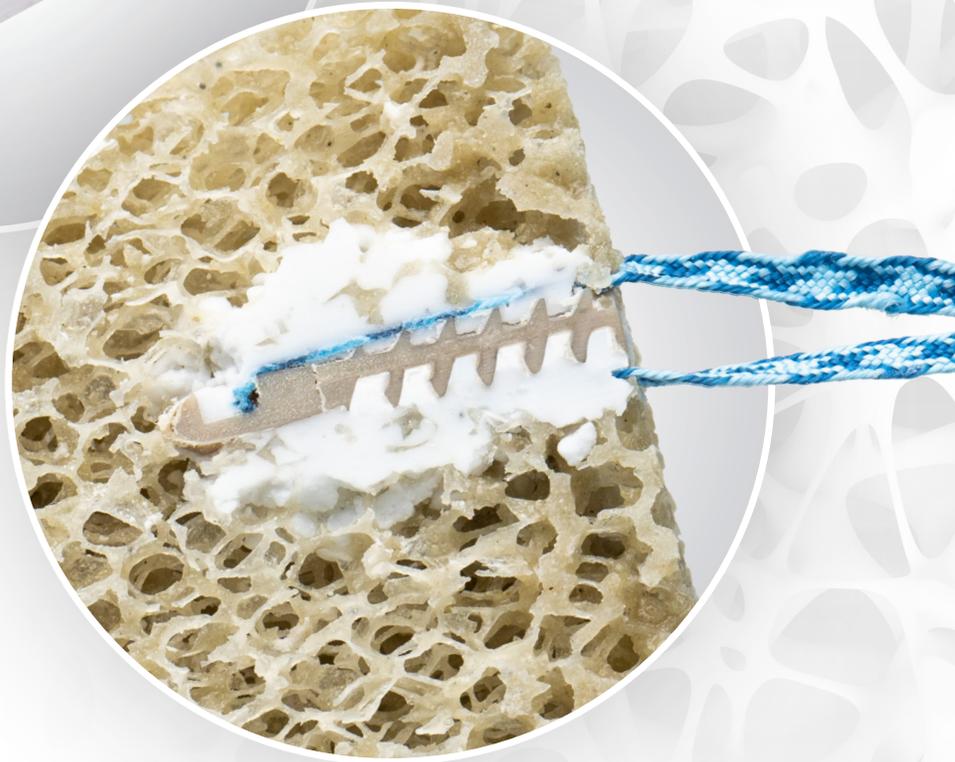


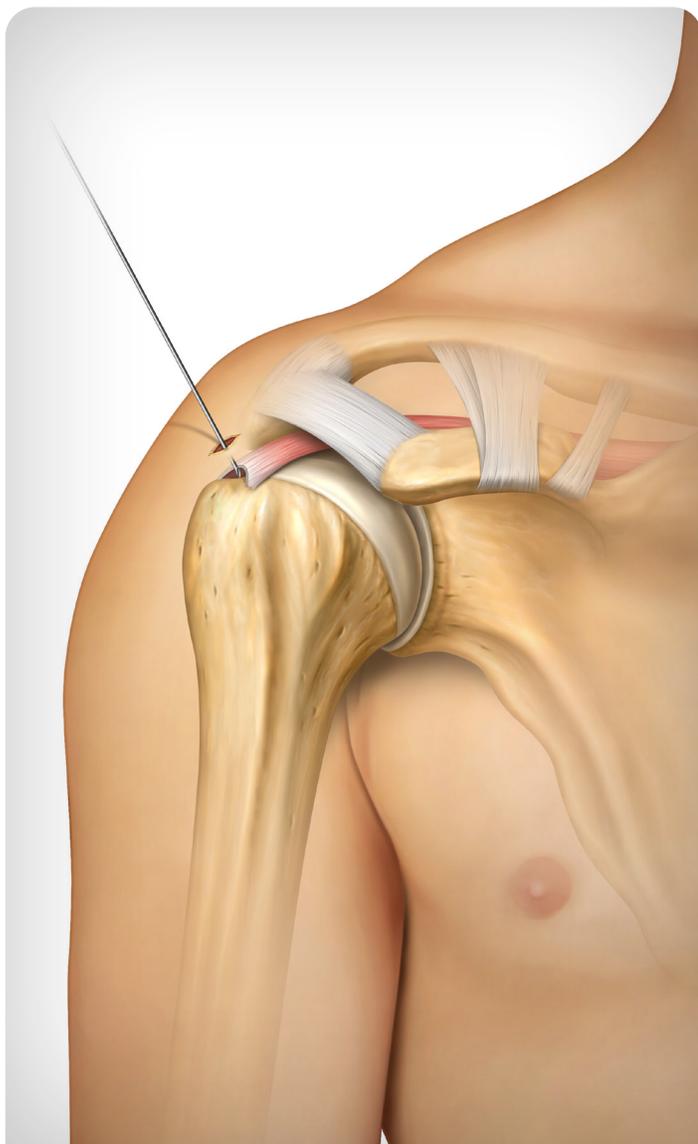
Rotator Cuff Repair

Augmentation with Tactoset® Injectable Bone Substitute
Surgical Technique Guide



Tactoset Injectable Bone Substitute can be used for hardware augmentation in anatomies outside of the shoulder, such as knee, foot, or ankle. This surgical technique should be modified accordingly.

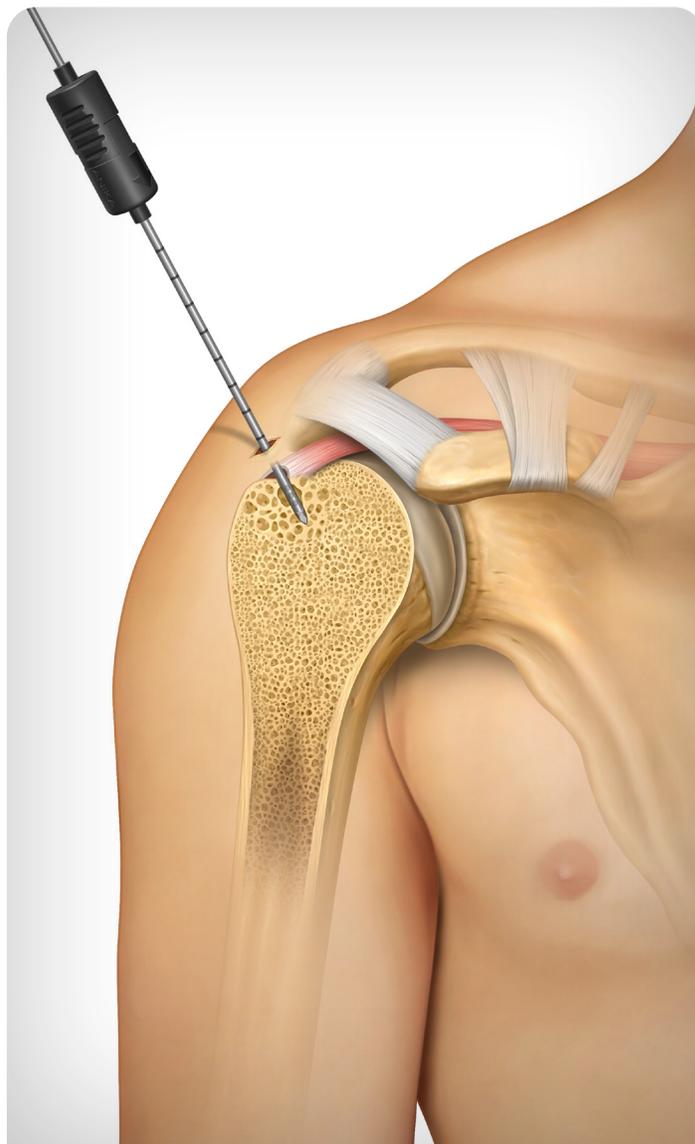
Rotator Cuff Repair Augmentation with Tactoset® Injectable Bone Substitute



STEP 1

Using a spinal needle percutaneously, identify the desired point of anchor placement most proximal to the affected bone. Take care to use a perpendicular approach in relation to the cortical surface to ensure proper drilling trajectory.

Note: Make a small stab incision at the needle site for the 11Ga Tactoset cannula placement.



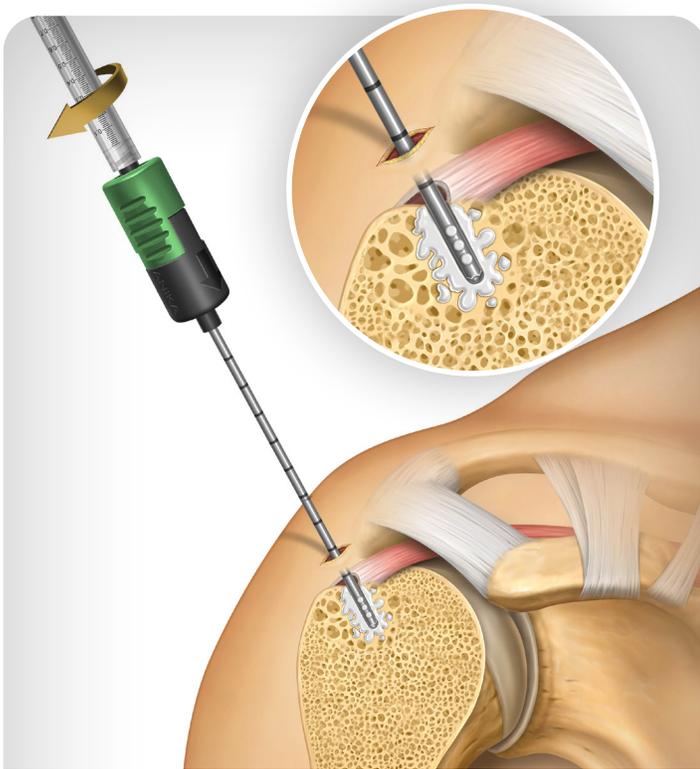
STEP 2

Under power, drill the 11Ga cannula to the approximate depth of the selected anchor using the laser lines as guidance. Avoid multiple drill attempts as this could result in extravasation of the material.

Once the outer cannula is in place, remove the stylet and insert the appropriate inner cannula for side- or end-targeted delivery.

Note: If a punch/awl was already utilized to create a pilot hole, it is recommended to drill the 11Ga cannula directly into the punched hole.

Rotator Cuff Repair *Augmentation with Tactoset® Injectable Bone Substitute*



STEP 3

About 7 minutes after mixing Tactoset, but prior to decorticating, inject approximately 2-3cc of Tactoset into the humerus.

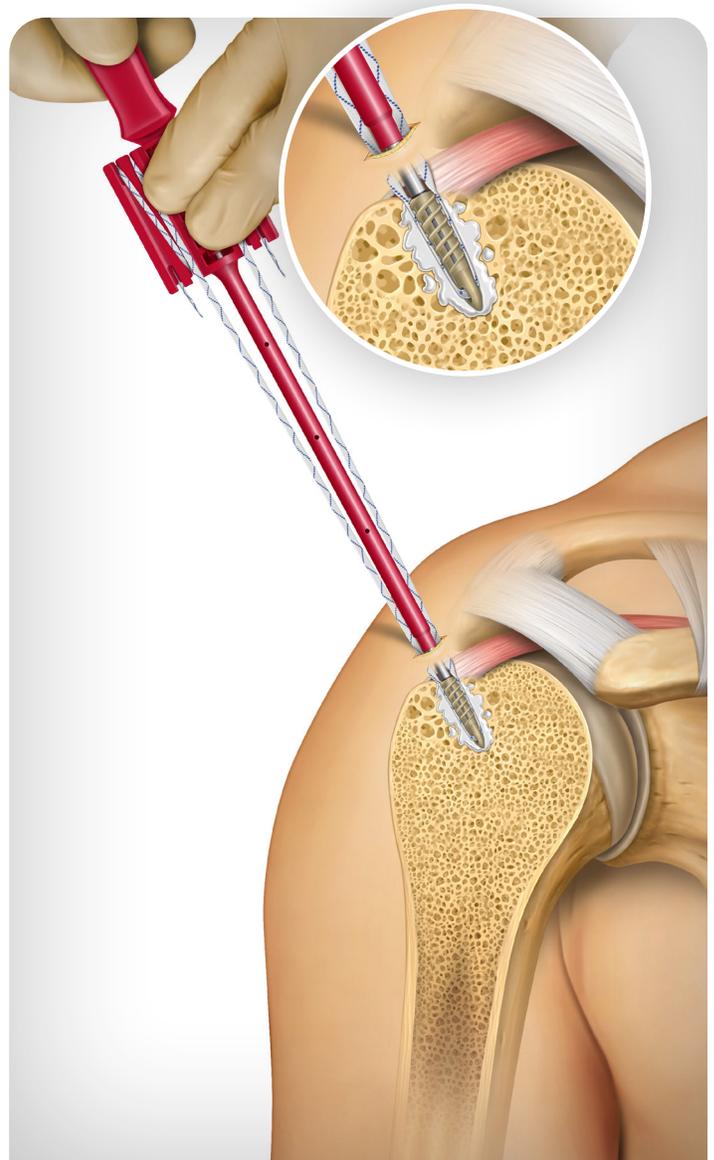
Note: Inject Tactoset at desired timepoint between 7 and 18 minutes. It is recommended to use the side-delivery inner cannula, while twisting in a 360-degree motion, to fill the defect or region proximal to the desired anchor placement. The side delivery cannula can also be oriented to target specific regions of bone, if desired.

Note: Extravasation of Tactoset through the humeral cortex is an indication to stop injection of the material. It is recommended to momentarily increase arthroscopic pump pressure (~70mmHg) to inhibit flow of Tactoset during injection. Any extravasated Tactoset material should be removed under suction with a shaver.

After injection, it is recommended to leave the cannula in place for at least 2-3 minutes prior to removing.

Note: Monitor to avoid extravasation, as the material will harden in approximately 10 minutes at body temperature.

Note: After removing the cannula, decortication of the tuberosity may be performed.



STEP 4

Prepare for anchor insertion by placing the corresponding suture anchor punch directly into the pilot hole created by the Tactoset cannula. An additional tapping step may be used if indicated. Advance anchor into the bone following standard procedures.

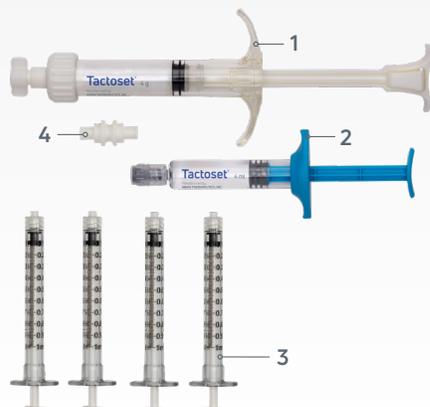
Continue placing additional anchors where needed following the standard anchor placement technique.

Complete the desired repair.

Tactoset[®] Injectable Bone Substitute

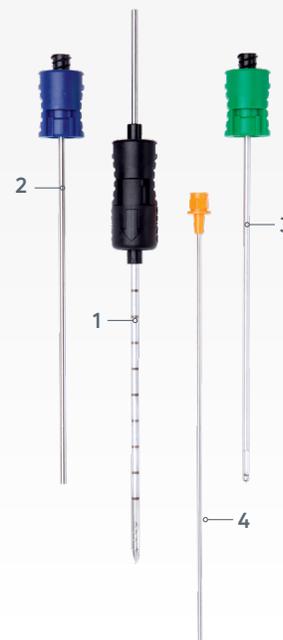
TACTOSET MATERIAL SET

1. Pre-filled mixing syringe containing powder
2. Glass syringe containing setting solution
3. Four 1 mL Luer lock syringes
4. Female-female Luer lock connector



ANIKA DELIVERY CANNULAS

1. Drillable outer cannula (with removable drillable stylet)
GAUGE 3.05 mm (11 GA)
LENGTH 110 mm
2. Inner cannula for end delivery
GAUGE 2.41 mm (13 GA)
LENGTH 134.39 mm
3. Inner cannula for side delivery
GAUGE 2.41 mm (13 GA)
LENGTH 134.39 mm
4. Push rod



Anika delivery cannulas provide easier use with mini c-arm

TACTOSET ORDERING INFORMATION

Part Number	Description
1000040	Delivery cannula set including: 1 drillable outer cannula with removable drillable stylet; 1 inner cannula for end delivery; 1 inner cannula for side delivery; 1 push rod
6000041	Tactoset material set including: 1 pre-filled mixing syringe containing Tactoset powder; 1 glass syringe containing Tactoset setting solution; 4 Luer lock syringes (1 mL); 1 female-female Luer lock connector
6000151	Marrow Cellution Bone Marrow Aspiration Needle set including: one introducer needle with sharp stylet, one aspiration cannula, one 11Ga blunt stylet, one 10 mL syringe

Please note that both the Tactoset material set and one of the delivery cannula sets are needed for each procedure.

For complete product information, please visit www.anikaifu.com

*For instructions for mixing with BMA, see instructions for use or visit www.anikaifu.com

1. Data on file, Anika Therapeutics, Inc.

2. Tactoset Instructions for Use. Anika Therapeutics, Inc.; AML 500-335.

Anika Therapeutics, Inc.

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