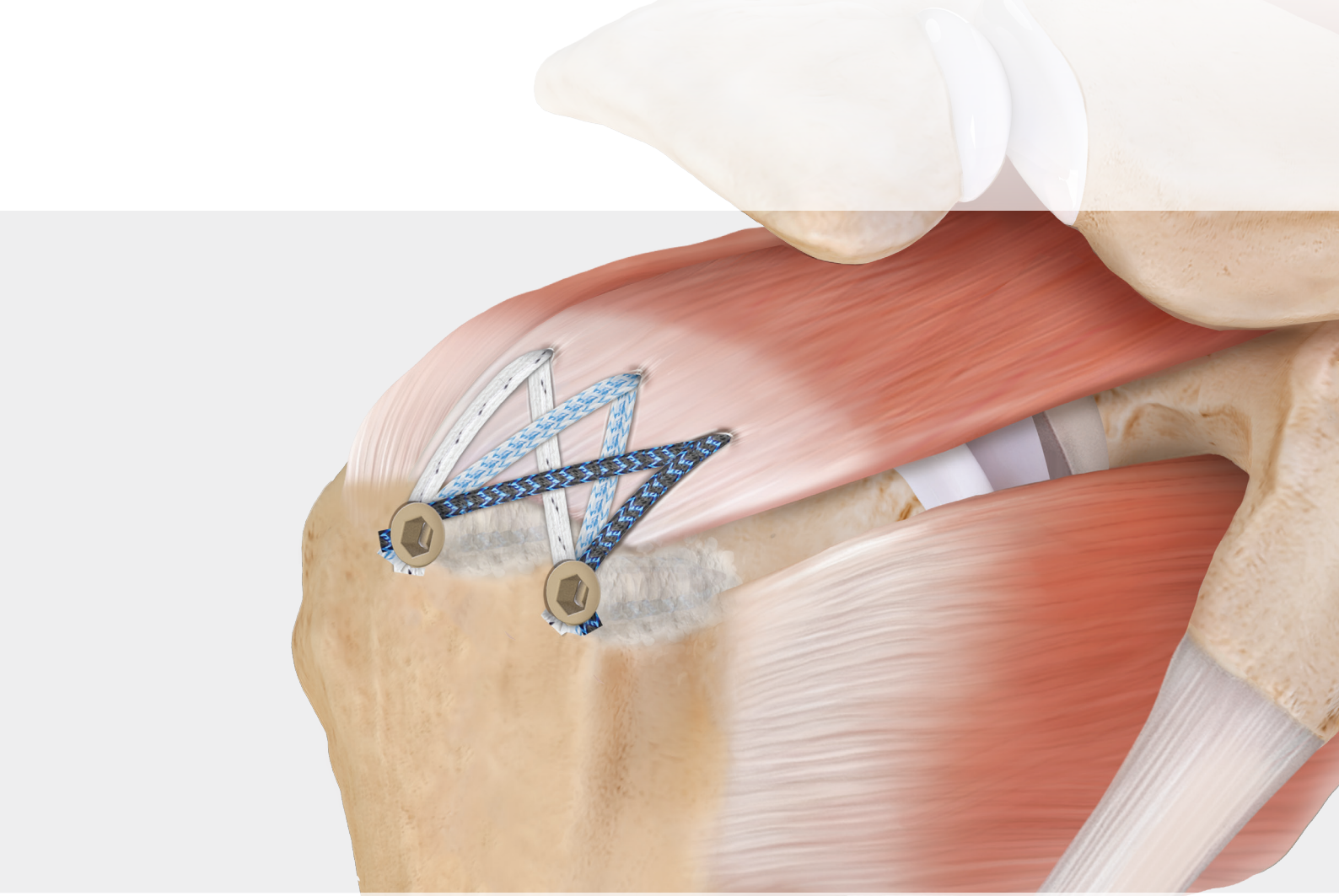
Anchor Augmentation With BoneSync™ Calcium Phosphate Cement

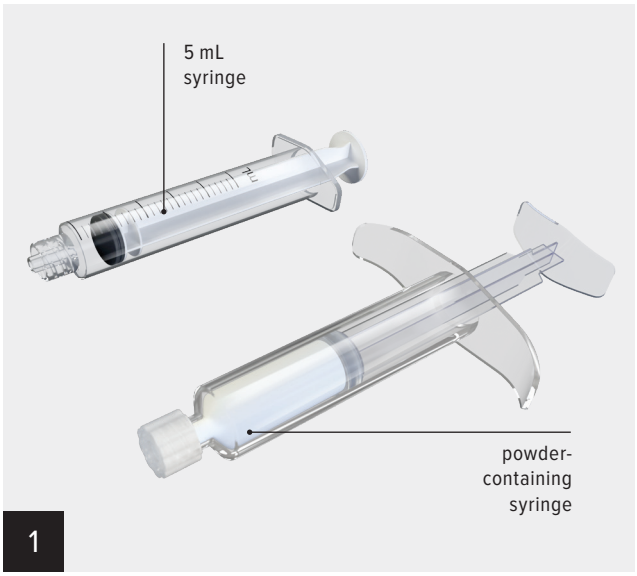
Surgical Technique



Arthrex®

BoneSync™ Calcium Phosphate Cement

Mixing Steps for 1 cc Size Offering

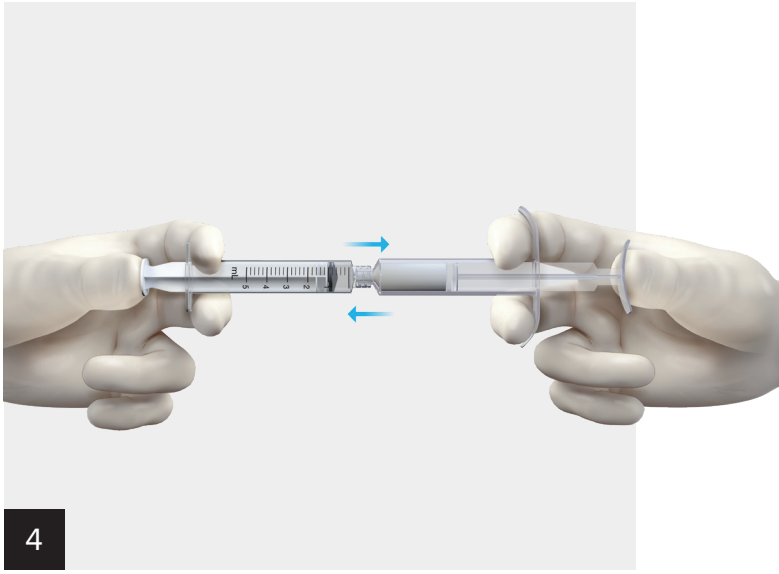


Draw **0.8 cc** saline into the empty 5 mL syringe. Be sure to expel any extra air present in the syringe. Firmly tap the powder-containing syringe for 3 seconds to loosen powder. Ensure powder is not compacted.

Note: Pull back slightly on the powder syringe to help loosen powder and allow room for hydration.

Remove the clear cap and attach the 5 mL syringe containing 0.8 cc saline to the syringe containing the powder.

Inject all the saline from the syringe containing the liquid into the syringe containing the powder.



Mix at a rate of 1-2 passes per second for **no more than 60 seconds.** The liquid and powder components will steadily integrate during the mixing time; excessive force is not needed as it can compact the powder.

Note: Do not place excessive force on the powder syringe wings. If material is becoming compacted, press on the 5 cc syringe to pass the material back to the powder syringe.

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At end of mixing, inject material into 5 mL syringe and disconnect from powder syringe.

Note: If air is present in the syringe after mixing, quickly pull back on the 5 mL syringe and slowly advance the plunger to remove air.

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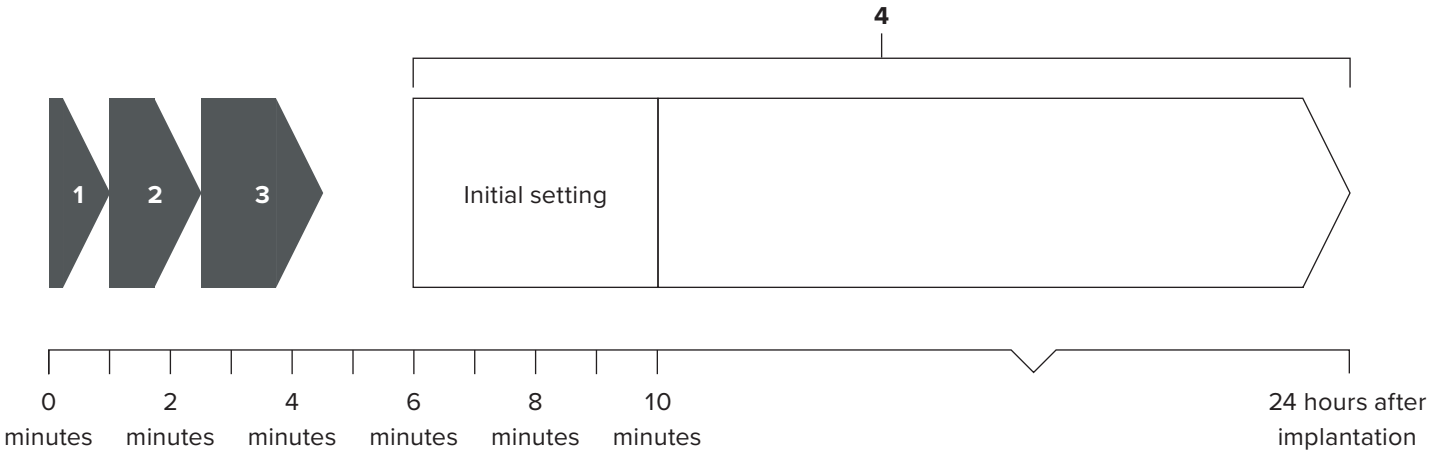
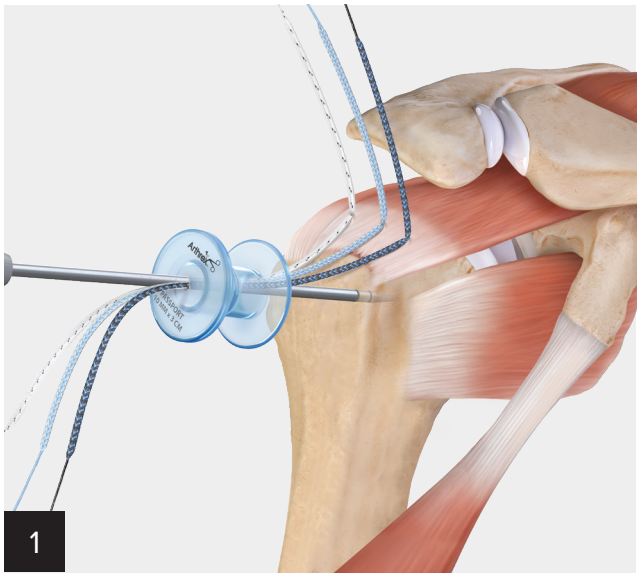
Final output is then ready for implantation.

Anchor Augmentation Workflow

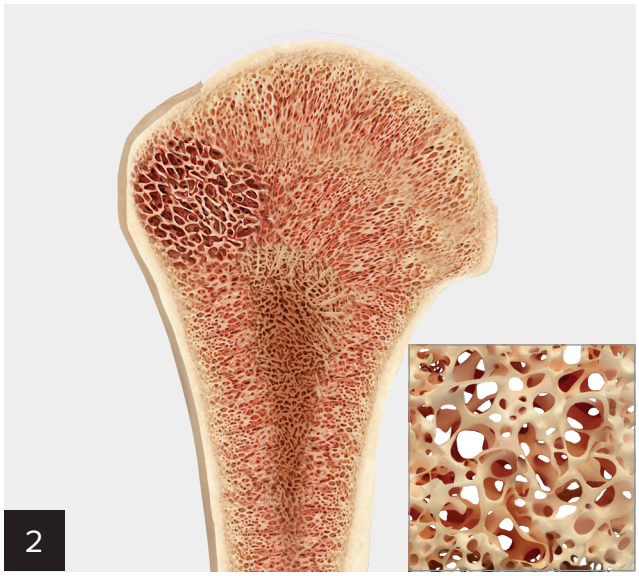
1. Mix for approximately **60 seconds.**
2. Implant within **90 seconds** of mixing.
3. Insert lateral-row anchor within **2 minutes** of cement implantation.
4. Set time will occur between 6 and 10 minutes from the start of mixing (or potentially longer if the temperature at the defect site is at or below 83 °F/28 °C). Complete hardening will occur **24 hours** after implantation.



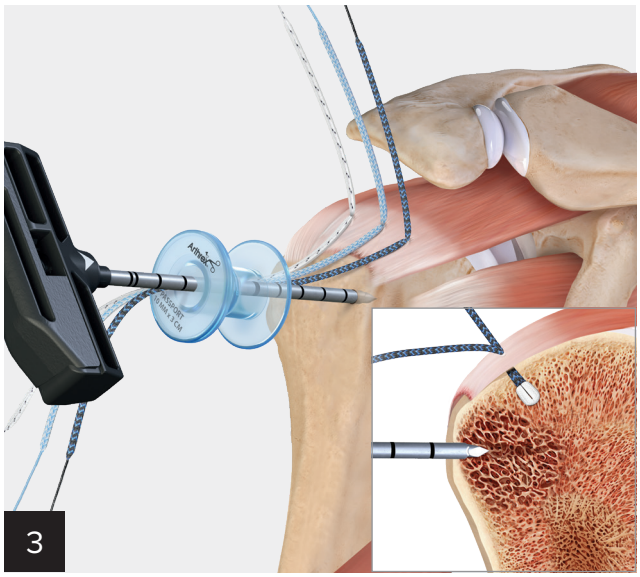
Anchor Augmentation: Open-Tip Cannula



Using a punch, prepare a bone socket about 5-10 mm lateral to the edge of the tuberosity.

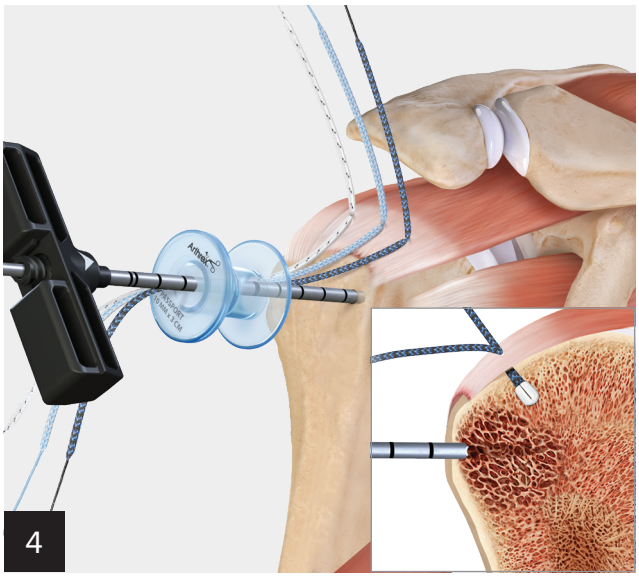


Bone quality can be assessed as the punch is inserted. If it appears to be poor, select chosen augmentation option.

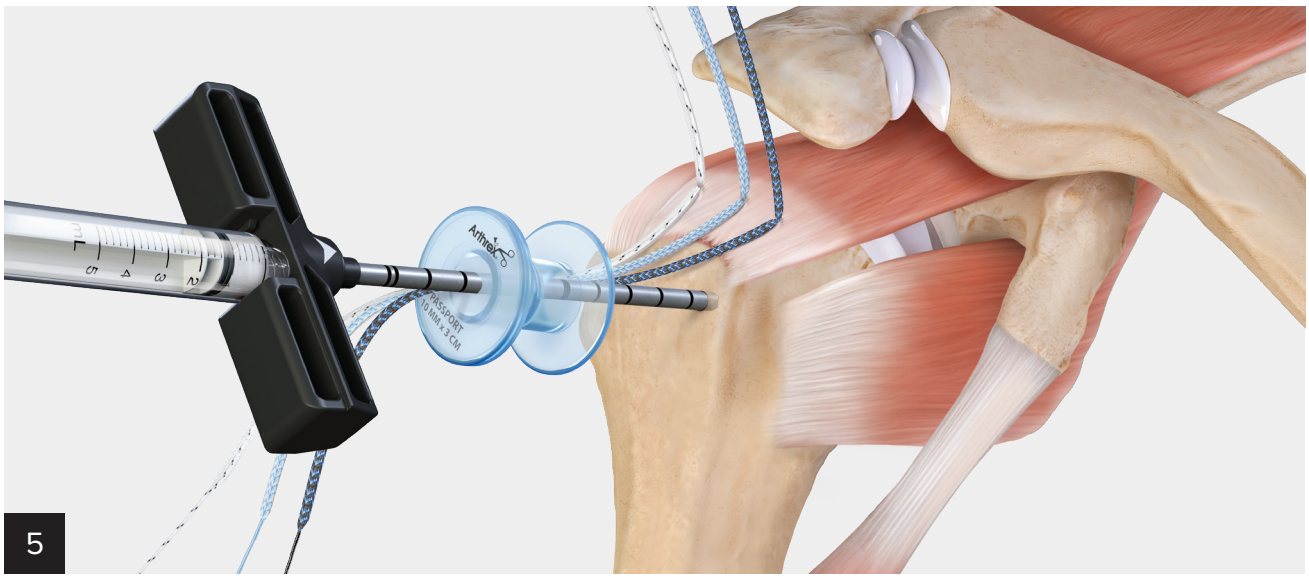


Insert a delivery cannula 2-3 mm into the cortex created by the anchor punch.

Note: Do not go beyond the first laser line of the cannula.

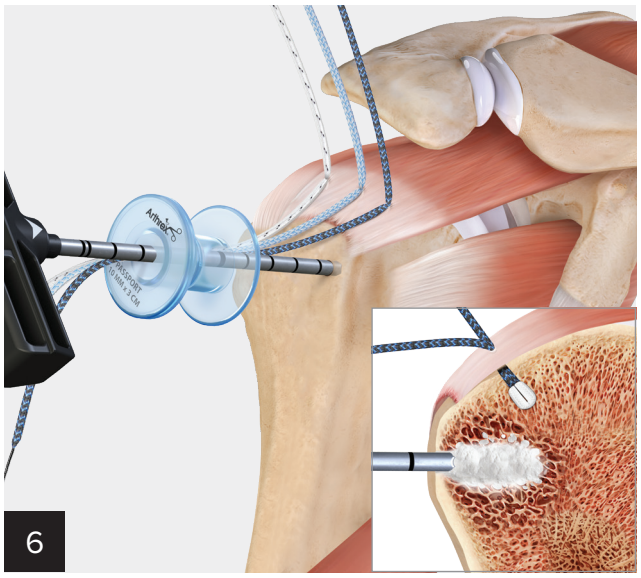


Remove the inner trocar from the cannula.

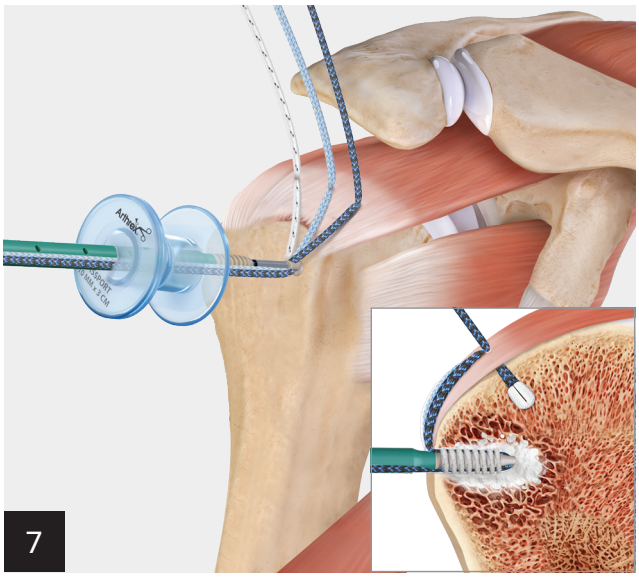


Attach the delivery syringe to the cannula. Deliver all the cement from the syringe.

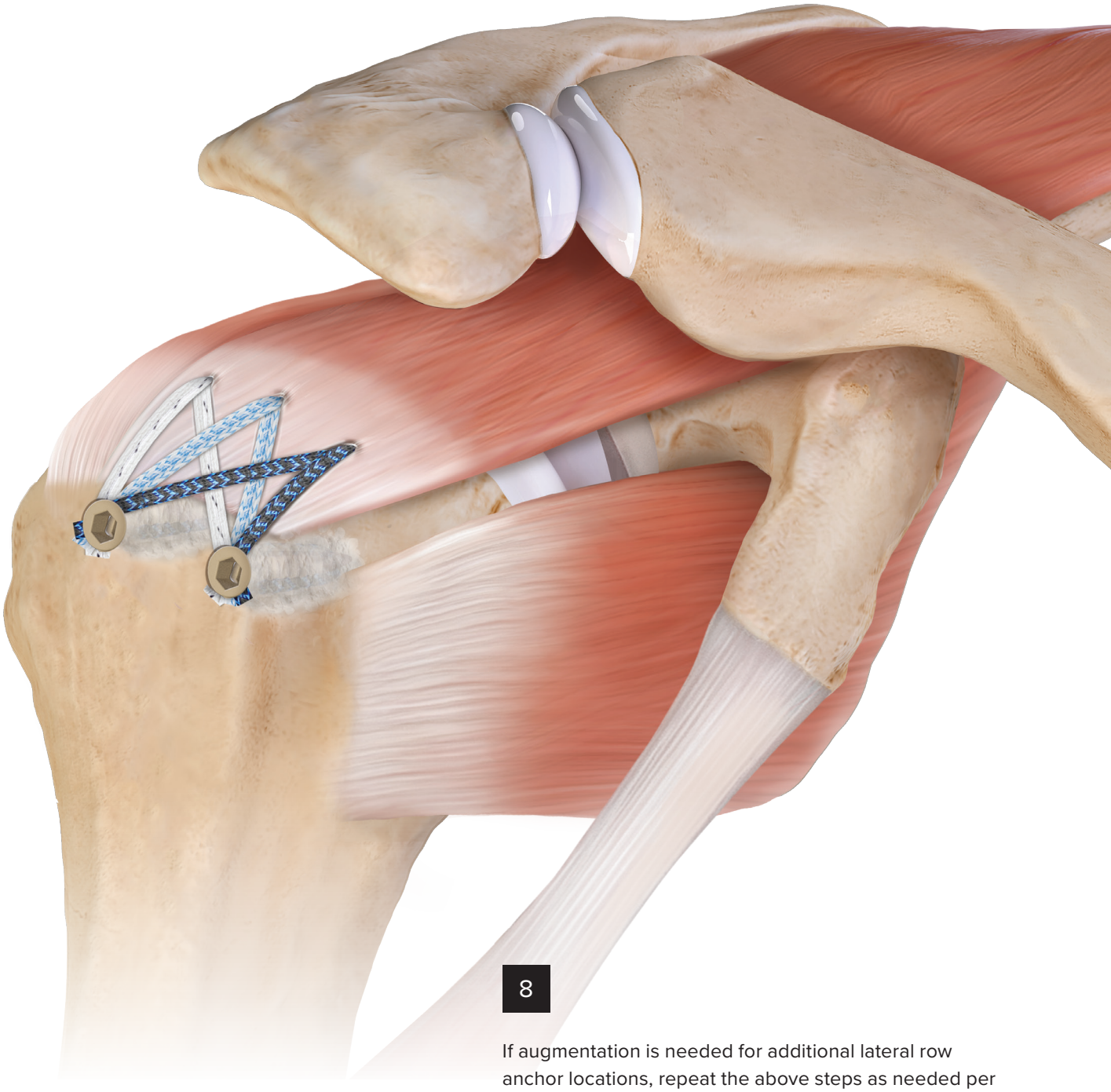
Note: The calcium phosphate cement must be injected within 90 seconds of mixing.



Insert the inner trocar into the cannula to deliver the remaining cement to the intended site.



Insert anchor within 2 minutes of cement implantation.



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If augmentation is needed for additional lateral row anchor locations, repeat the above steps as needed per anchor location. Complete the standard remaining steps for the rotator cuff repair technique.

Note: FiberTak® SpeedBridge™ technique is pictured.

Ordering Information

Product description	Item number
BoneSync™ calcium phosphate cement, 1 cc	ABS-**3101**
Delivery needle, 11 cm, open tip	RAN-**811-OT**
Delivery needle, 15 cm, open tip	RAN-**815-OT**

Notes

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.

Arthrex manufacturer, authorized representative, and importer information (Arthrex eIFUs)

US patent information

arthrex.com