

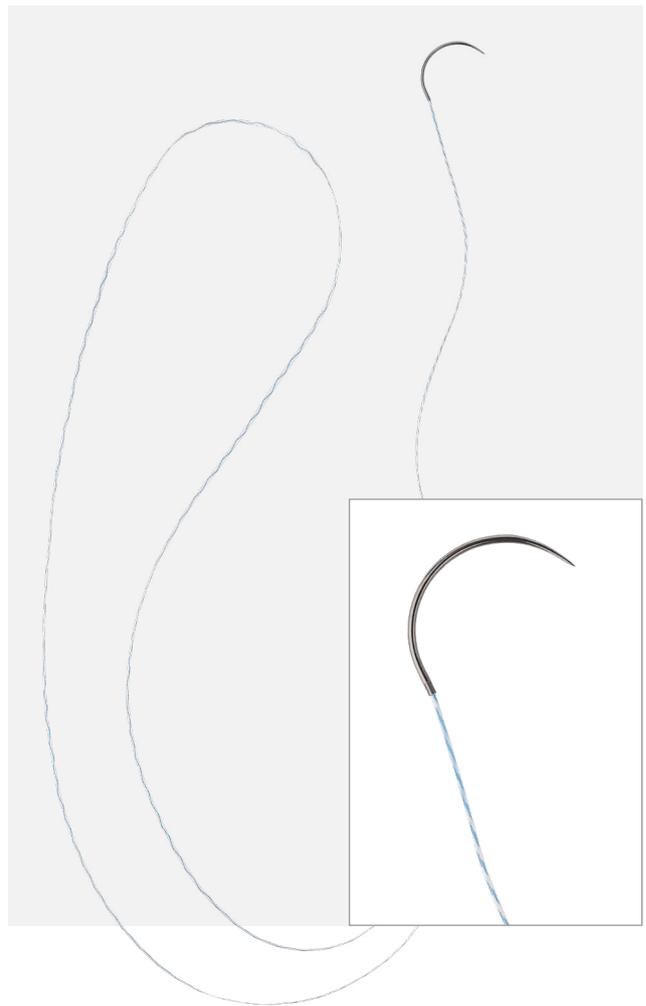
# Closure of Quad Tendon Autograft Harvest Defect Using LoopLink Suture

Surgical Technique

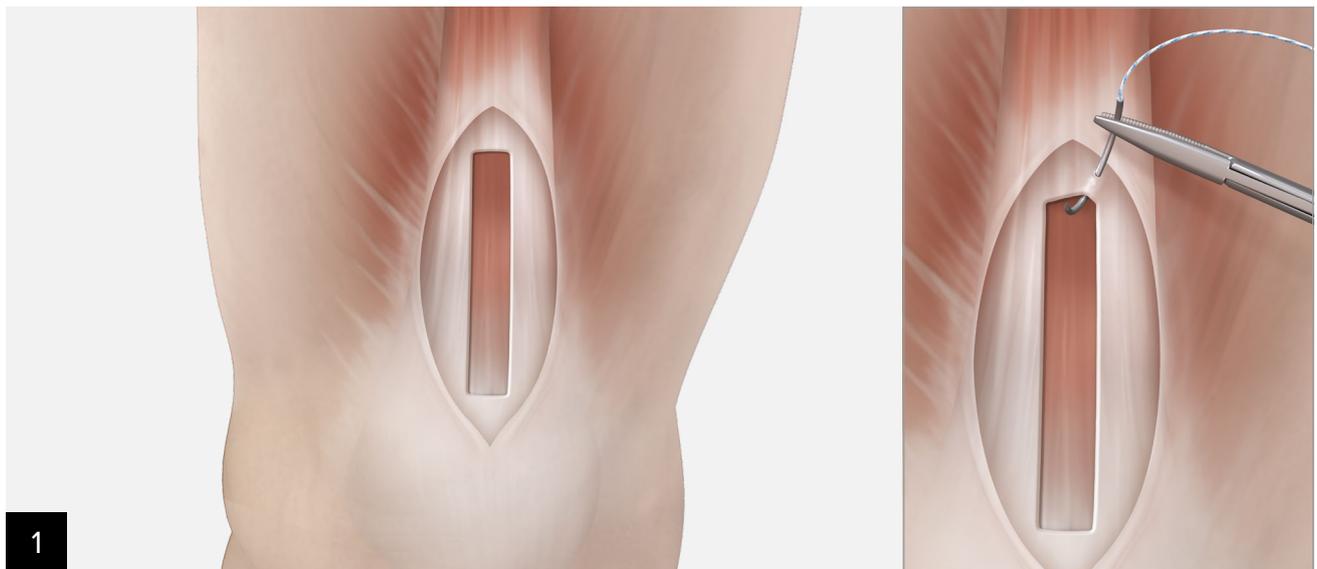


## LoopLink Suture Features and Benefits

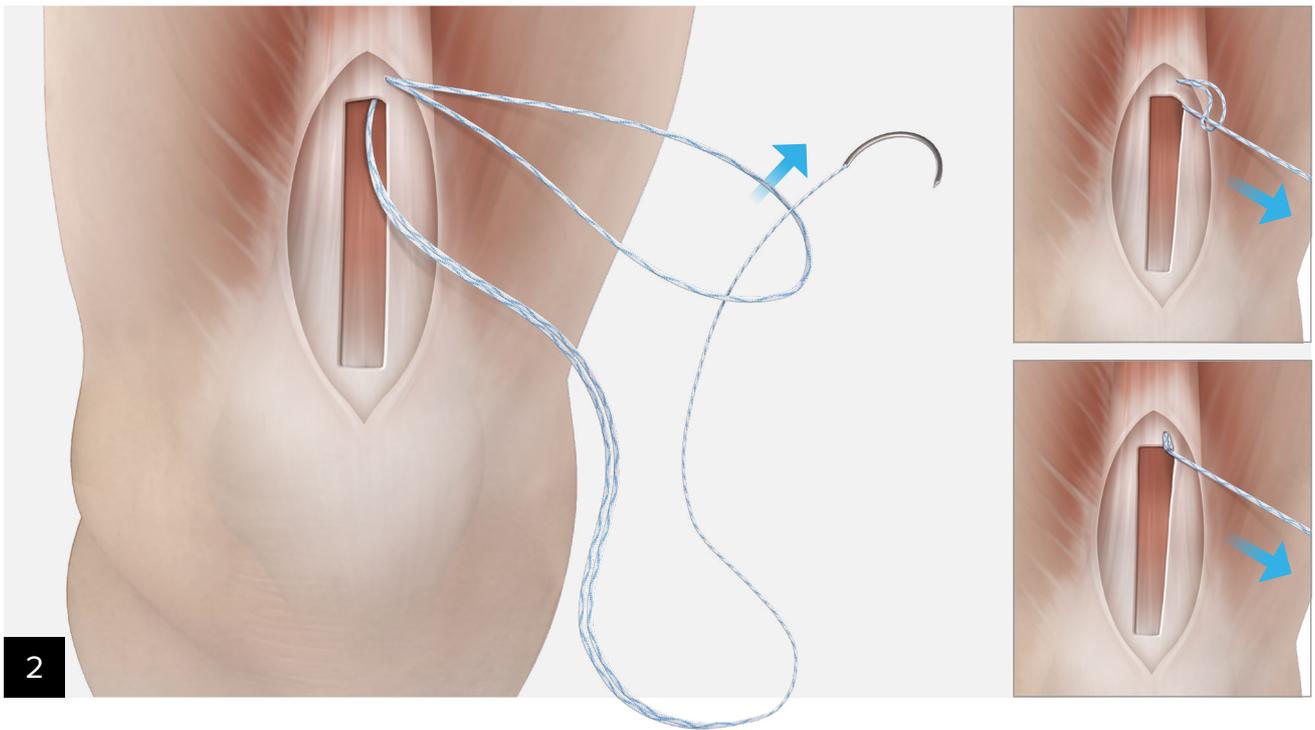
- Facilitates an efficient and strong suture construct for closing defects associated with the harvest of quadriceps and patellar tendon grafts for ACL reconstruction as well as IT band closure following a lateral extra-articular tenodesis procedure.
- Can be passed manually using the swaged-on curved needle or through a minimally invasive incision using a FastPass Scorpion™ suture passer under direct visualization or endoscopic assistance.
- Constructed using 0.9 mm SutureTape.  
**Note: Compared to FiberWire® suture, flat-braided SutureTape is similar in strength and more resistant to tissue pull-through.<sup>1</sup> It offers improved handling and knot security with smaller comparable knot stacks.**
- Either running or locking passes can be used for LoopLink suture closure, depending on surgeon preference.



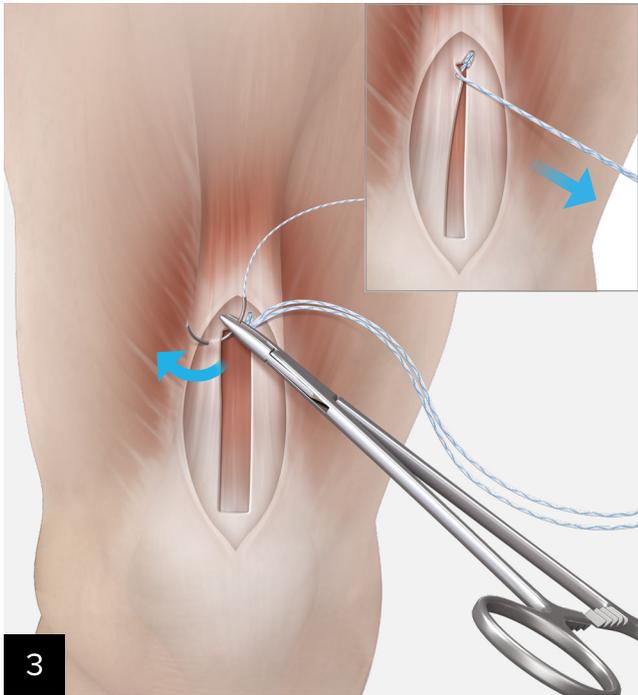
## Technique for Passing Using a Swaged-on Needle



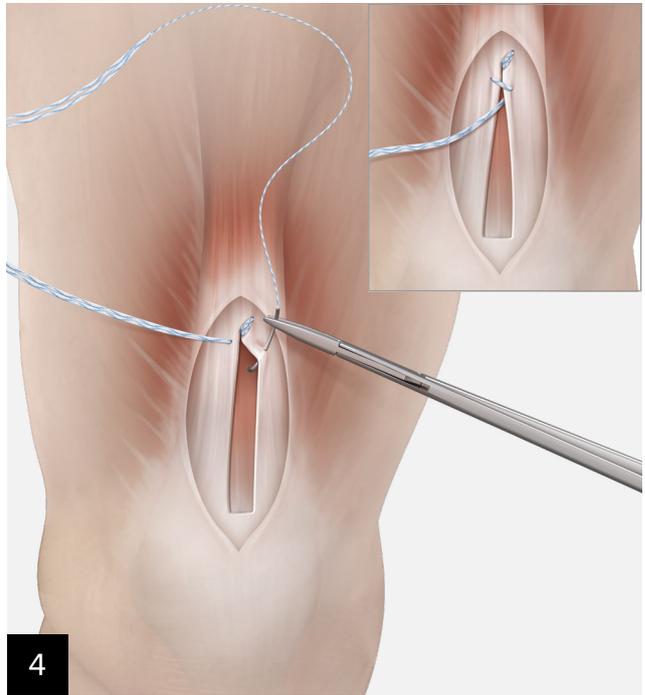
The swaged-on needle can be used to close the harvest site of the quadriceps graft using an open incision. Pass the needle adjacent to the apex of the harvest site.



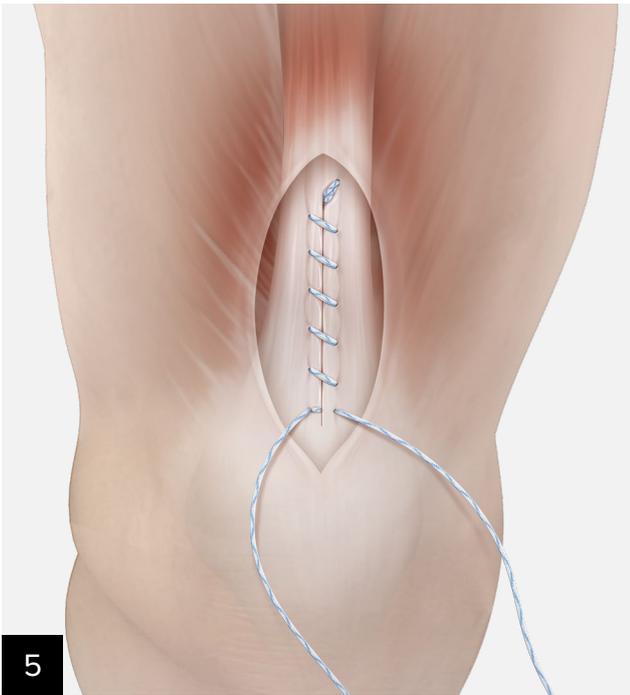
Pass the needled end of the LoopLink suture through the loop, and then tension, creating a luggage tag.



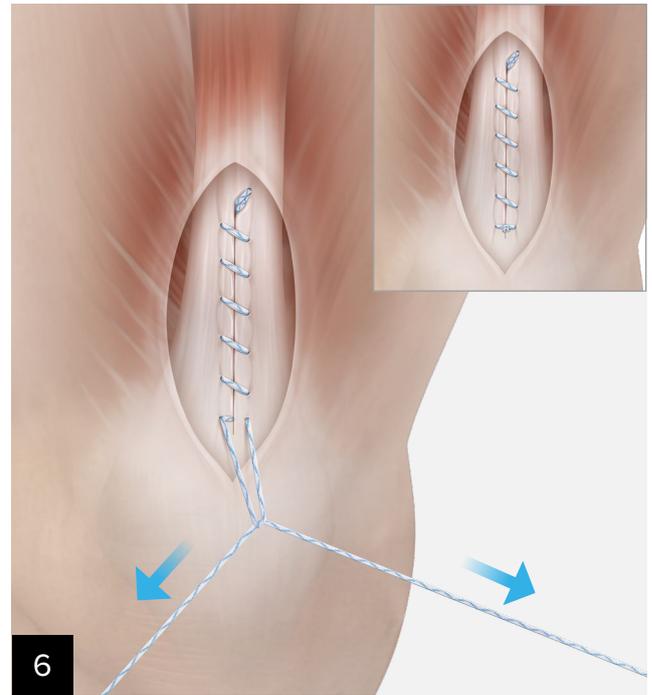
Pass the needled end of the LoopLink suture through the deep side of the tissue and out the superficial suture side. Retrieve and remove slack.



Make subsequent passes in a running fashion, progressing distally until space for one final pass remains.



5 Cut one limb of the LoopLink suture, leaving one long limb with the needle still attached. Make a final needle pass through the opposite leaflet of tissue, exiting the superficial surface.

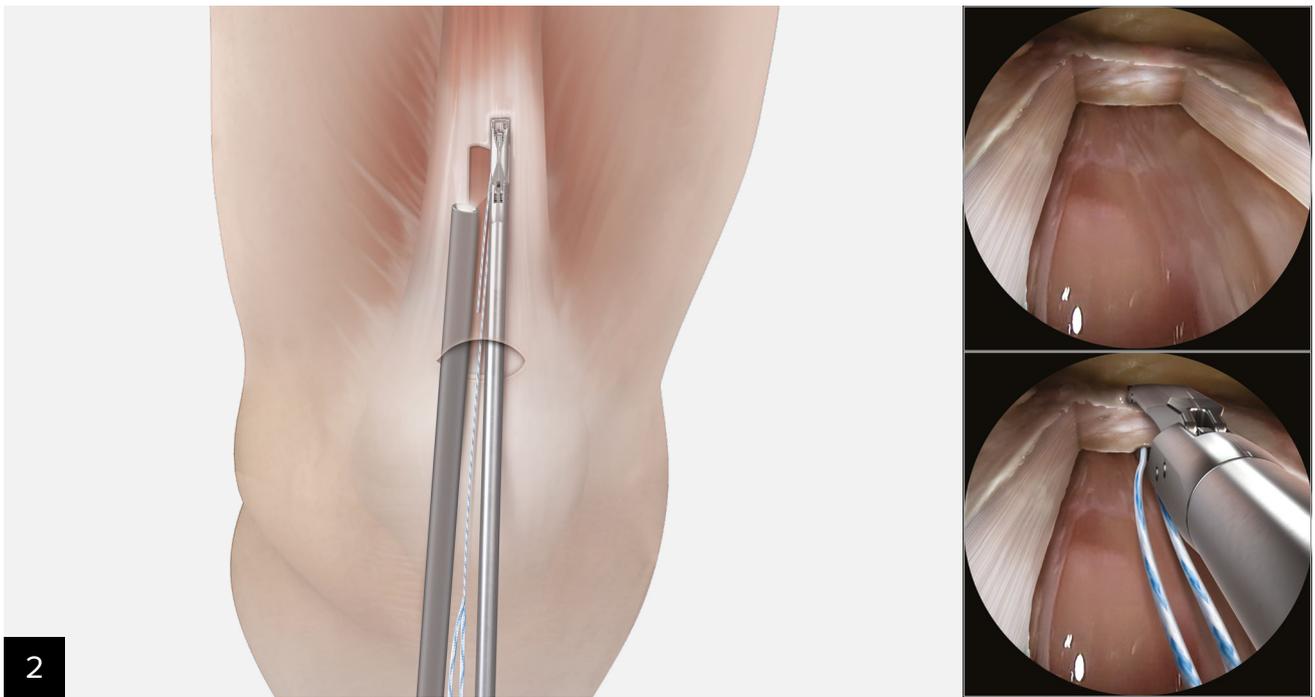


6 Complete the harvest-site closure by tying the limbs together using a surgeon's knot and removing excess suture length.

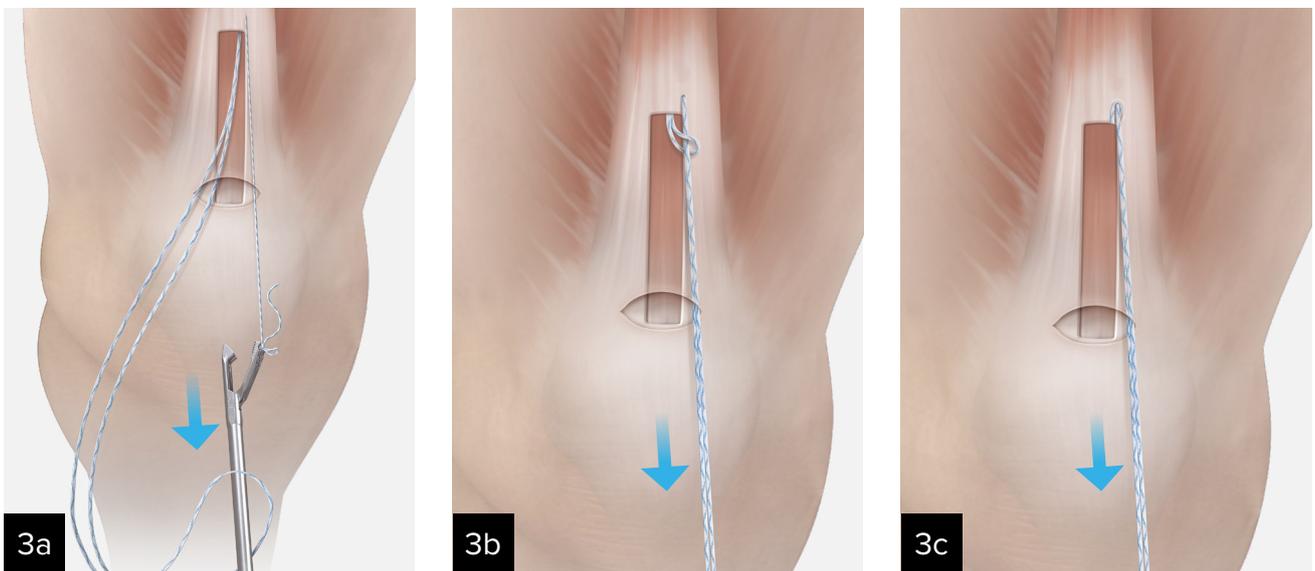
### Technique for Passing Using FastPass Scorpion™ Suture Passer



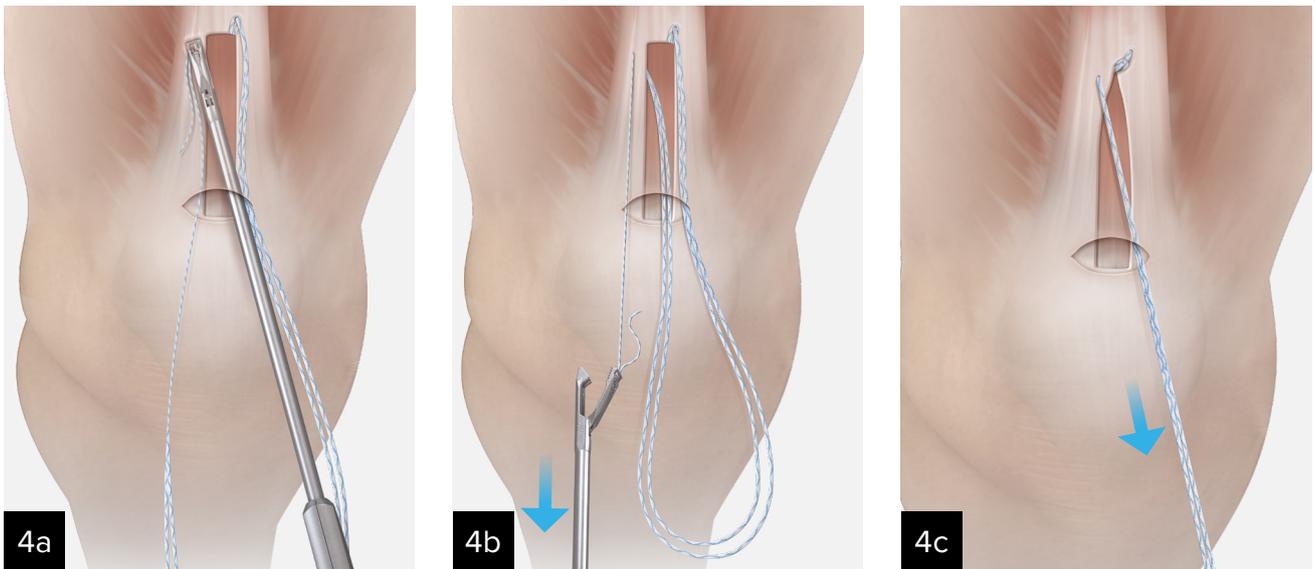
1 Cut the curved needle off the single end of the LoopLink suture. Pass the loop of the LoopLink suture over the tip of a FastPass Scorpion suture passer. Load 1 in to 2 in of the single end of the LoopLink suture into the slot in the bottom jaw and pull the suture to the back of the groove.



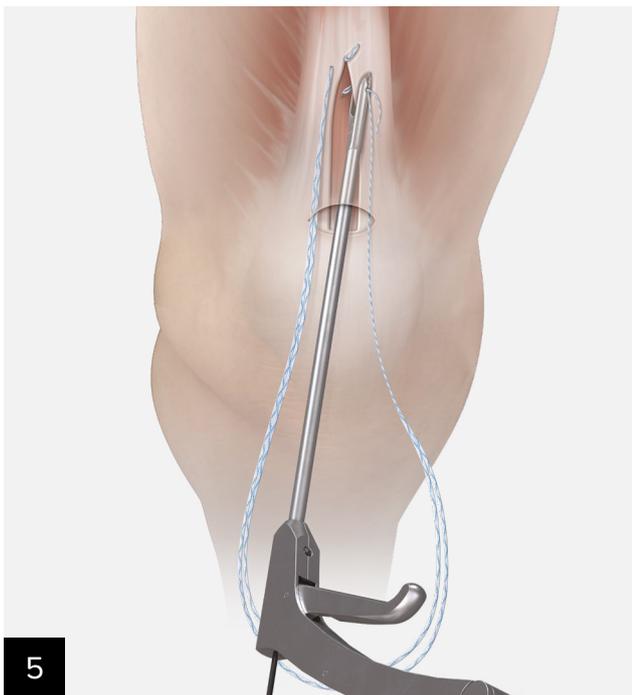
To visualize the harvest site, insert the arthroscope through the minimally invasive quadriceps graft-harvest incision. An Army-Navy retractor can be helpful for visualization. Insert the FastPass Scorpion™ suture passer and pass the single end of the LoopLink suture, creating a luggage tag adjacent to the apex of the harvest defect.



Remove the FastPass Scorpion suture passer from the incision (**3a**), allowing the loop to cinch and creating a luggage tag at the apex of the graft-harvest defect (**3c**).

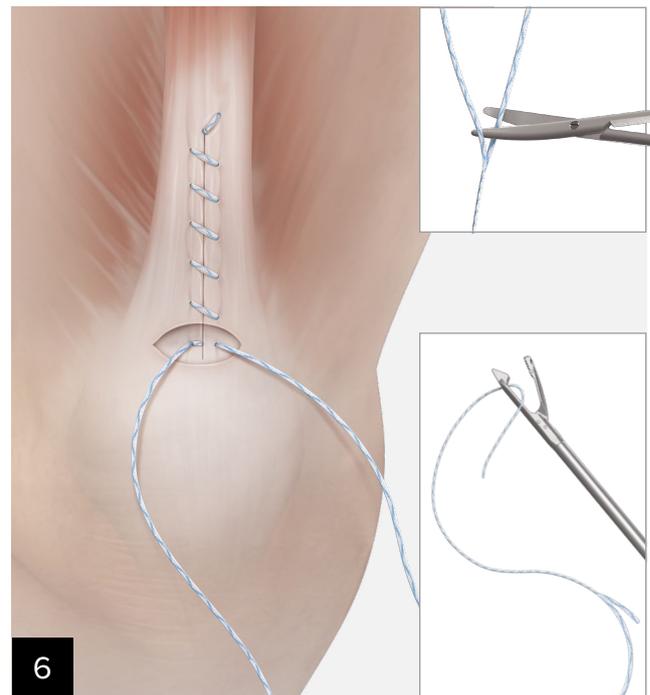


Reload the single tail of the LoopLink suture in the bottom jaw of the FastPass Scorpion™ suture passer. Position the FastPass Scorpion suture passer and pass the LoopLink suture, moving from the deep side of the tissue out the superficial side (**4b**). Retract the suture passer out of the incision and gently pull to remove slack (**4c**).

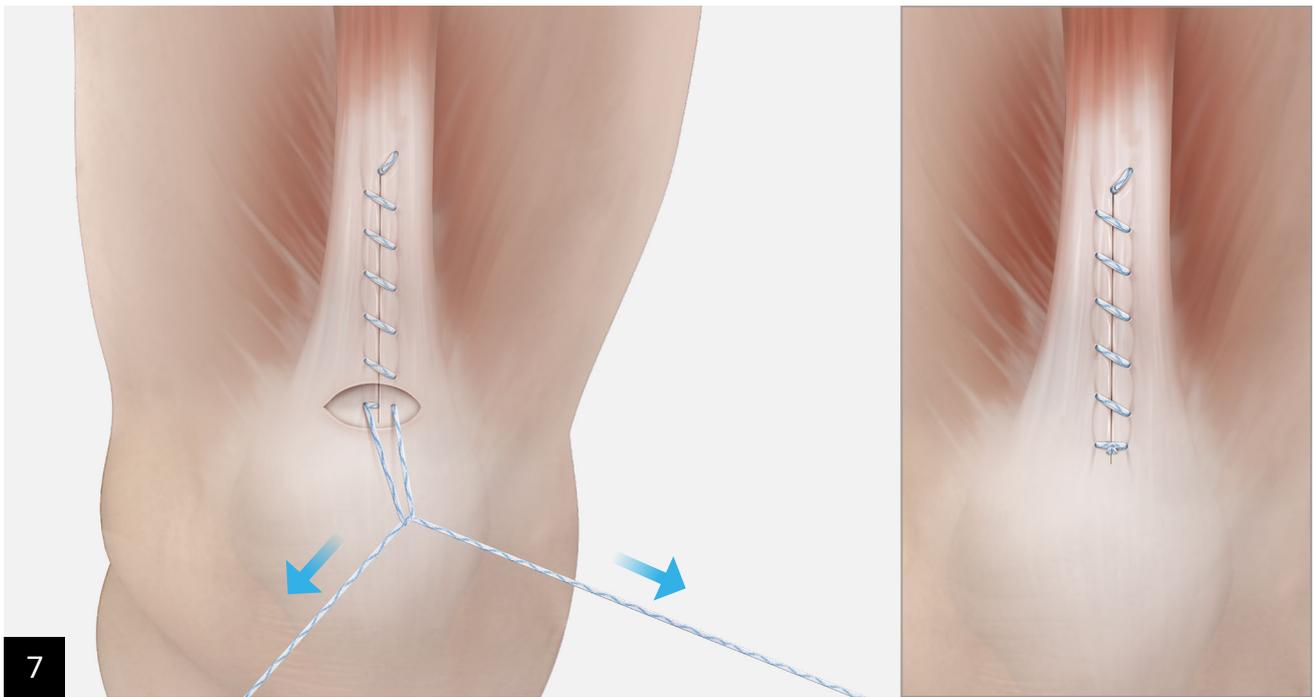


Repeat steps for loading the single tail of the LoopLink suture on the FastPass Scorpion suture passer. Identify the location of the next pass on the opposing tissue, evert the FastPass Scorpion suture passer, and pass the LoopLink suture from the superficial side of the tissue to the deep side, creating a running construct.

**Note: Repeat, progressing distally with appropriate spacing until space for one pass remains.**



Cut one limb of the LoopLink suture, leaving one long limb. Load the long limb in the jaw of the suture passer. Make a final pass through the opposite leaflet of tissue, exiting the superficial surface.



Complete the harvest-site closure by tying the limbs together using a surgeon's knot and removing excess suture length.

## Ordering Information

Product description	Item number
LoopLink suture	AR-7524C
FastPass Scorpion™ SL suture passer	AR-13999MF
HD Scorpion™ needle w/ MegaLoader, 5/box	AR-13999HDN
Tapered curved needle, 26 mm ½ circle, X/loop	AR-7281

Products advertised in this brochure / surgical technique guide may not be available in all countries. For information on availability, please contact Arthrex Customer Service or your local Arthrex representative.

## Reference

1. Arthrex, Inc. LA1-00038-EN\_B. Naples, FL; 2017.



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