

ALLOPATCH HD[®]
ACELLULAR HUMAN DERMIS

Raising the Standard for Biologic Scaffolds

Achilles Tendon Reinforcement Surgical Technique

ACHILLES TENDON REINFORCEMENT

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ON LAY TECHNIQUE

Repair Achilles Using Krakow Suture Technique



Figure 1



Figure 2

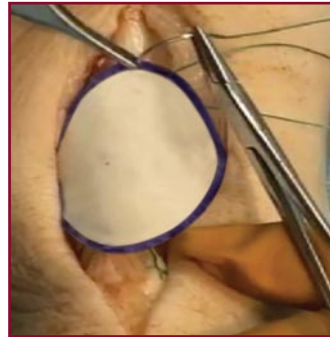


Figure 3



Figure 4

Orient the ALLOPATCH HD® human collagen matrix graft so that the epidermal side is facing up. The epidermal side is dull in appearance. (NOTE: For further verification, add a drop of the patient's blood on both sides of the graft and rinse with sterile saline. The epidermal side will appear pink while the dermal side will appear red in color.) To ensure proper orientation, position the graft so that the indicating notch is in the upper left-hand side of the tissue. Select appropriate size graft to cover the repaired Achilles tendon (4cm x 8cm or 5cm x 5cm). Mark proximal and

distal ends of the graft on the repair with a marking pen (Figure 1). Trim the graft into an oval so that the wider portion of the graft will align with the ruptured site (Figure 2). Secure the proximal end of the graft then tension the graft and secure the distal end (Figure 3). Complete repair by securing graft to tendon on medial and lateral sides using a simple running stitch. Oval shaped graft will envelope repaired Achilles tendon. Care should be taken not to disrupt the repair beneath (Figure 4).

WEAVE TECHNIQUE

Weave Technique for Mid-Substance Rupture



Figure 5



Figure 6



Figure 7



Figure 8

Introduce a pulver taft forceps across the tendon. Pull Allopach HD human collagen matrix graft through the Achilles tendon ensuring the graft is even on both sides (Figure 5). Capture the proximal aspect of the tendon by weaving the graft through both

sides of the tendon (Figure 6). Repeat same weave technique on distal aspect of the tendon and pull taut (Figure 7). Complete the repair using a standard Krakow suture technique (Figure 8). Suture free ends of graft to tendon.

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