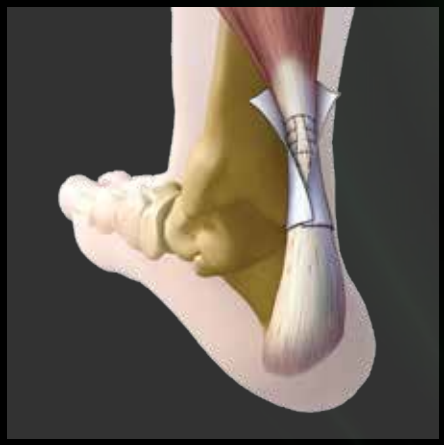
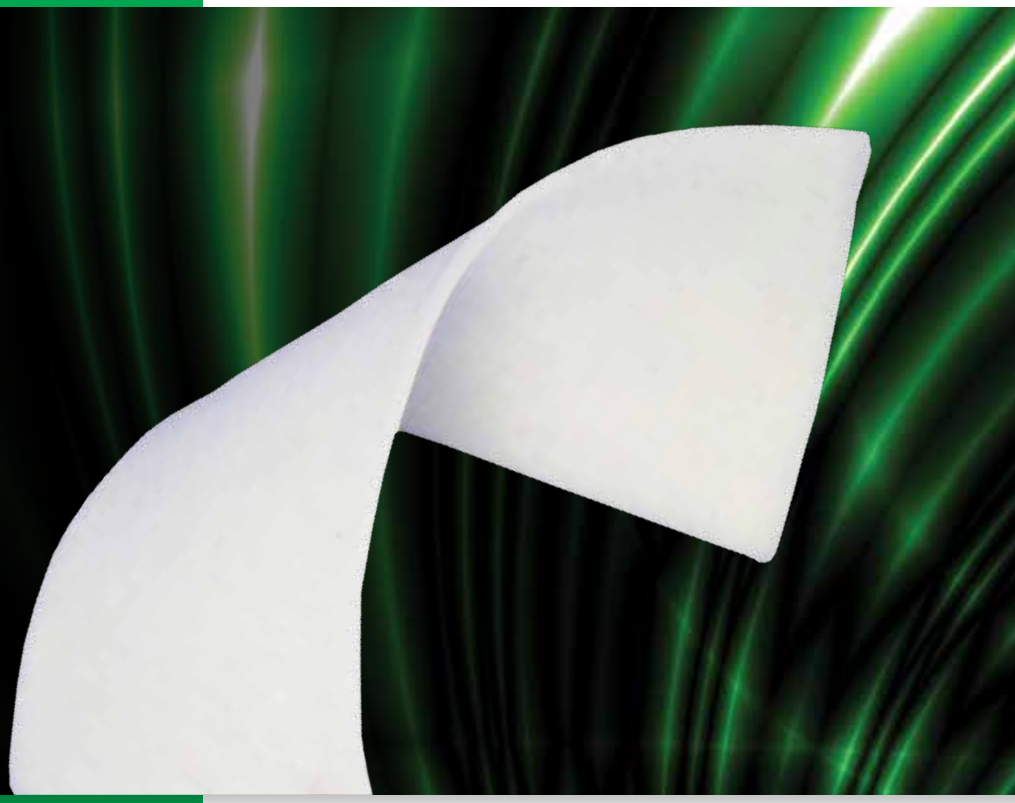
Integra®

Reinforcement Matrix

ACHILLES TENDON SURGICAL TECHNIQUE





INTEGRA®
LIMIT UNCERTAINTY

What is Integra® Reinforcement Matrix?

Integra Reinforcement Matrix is an acellular, sterile, porcine dermal matrix intended for the reinforcement of soft tissue where weakness exists and to reinforce soft tissue repaired by suture or suture anchors during tendon repair of the rotator cuff, patellar, Achilles, biceps, quadriceps or other tendons.

Achilles Tendon Surgical Technique

As the distributor of this device, Integra does not practice medicine and does not recommend this or any other surgical technique for use on a specific patient. The surgeon who performs any implant procedure is responsible for determining and using the appropriate techniques for implanting the device in each patient.

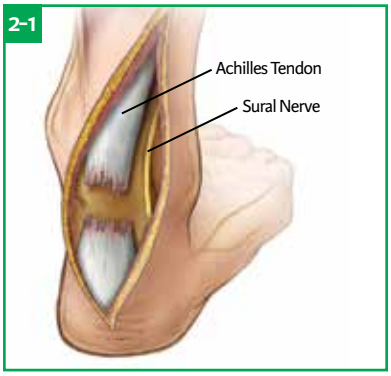
Caution: Federal law restricts this device to sale by or on the order of a physician or practitioner.

Step 1 • Surgical Approach

1-1 The rupture is localized by physical examination or musculoskeletal intraoperative ultrasound and the skin is marked so that dissection can be minimized. Appropriate anesthesia is administered in the supine position and a thigh-high tourniquet is applied. The patient is then placed into the prone position. The appropriate incision is made and meticulous dissection is carried down to the paratenon (crural fascia).

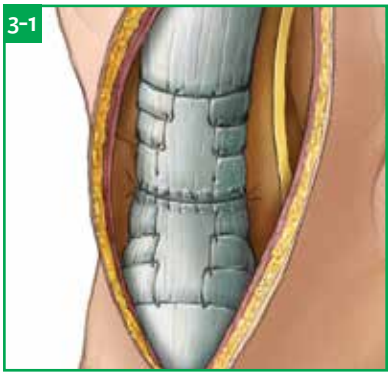
Step 2 • Paratenon Incision

2-1 The sural nerve is identified if desired, mobilized and protected. The paratenon (crural fascia) is incised longitudinally, tagged for latter approximation and retracted. Care is taken to treat the resultant tissue flaps.



Step 3 • Suture Repair

3-1 The Achilles tendon rupture is explored and the tendon ends are mobilized and freed from adhesions. The proximal muscle bellies are massaged and the foot is plantar flexed to deliver the tendon ends to anatomic apposition. The proximal and distal stump ends are secured with the suture and stitches of individual preference.

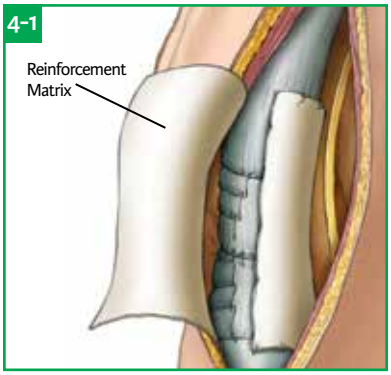


Step 4 • Wrap and Secure Matrix

4-1 The Integra Reinforcement Matrix is tagged and placed circumferentially around the tendon. Matrix can be placed on either side towards the tendon. The end suture tags are used to facilitate graft and tendon mobilization.

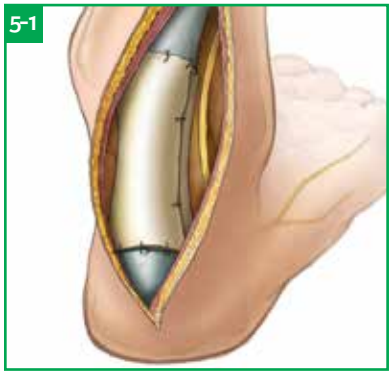
Intimate contact should be achieved with viable tissue with no wrinkles in the matrix. This ensures most contact for revascularization.

Once the matrix is placed in the desired position, it is tubularized with a running locking stitch (a non-absorbable 0 or 2-0 suture may be used). The excess matrix is trimmed, using large suture scissors. The suture line is rotated away from the injured soft tissue so that a smooth surface is most superficial, thereby decreasing the chance for pressure damage to the overlying tissues and skin. The matrix material is then sutured to the proximal and distal portions of the tendon. A number of sutures are placed through the midpoint of the tendon matrix in orthogonal planes to decrease the chance of matrix delamination from the tendon during the healing process.



Step 5 • Closure

5-1 The repair is tested by the surgeon, taking into account an intraoperative comparison with the contralateral limb. The paratenon (crural fascia) is reapproximated carefully with an appropriate suture. A meticulous closure is performed in layers. A sterile dressing is applied with the foot in plantar flexion.



Integra®
Reinforcement Matrix

Indications

Intended for implantation to reinforce soft tissue where weakness exists and for surgical repair of damaged or ruptured soft tissue, including: Reinforcement of the rotator cuff, patellar, Achilles, biceps, quadriceps, or other tendons. Integra Reinforcement Matrix is not intended to replace normal body structure or provide the full mechanical strength to support tendon repair of the rotator cuff, patellar, Achilles, biceps, quadriceps, or other tendons. Sutures used to repair the tear and sutures or bone anchors used to attach the tissue to the bone provide biomechanical strength for the tendon repair.

Contraindications

Integra Reinforcement Matrix should not be used on patients with known sensitivity to porcine products, or on patients with history of multiple or serum allergies.

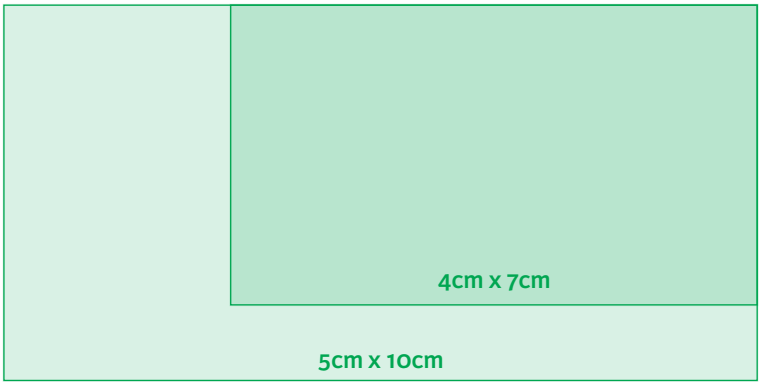
- Not for reconstruction of Cardiovascular defects.
- Not for reconstruction of Central Nervous System or Peripheral Nervous System defects.
- Use of this product in applications other than those indicated has the potential for serious complications.

See package insert for complete product information.

Integra Reinforcement Matrix

Reference	Description
RNFMTX0407	Integra Reinforcement Matrix, 4cm x 7cm
RNFMTX0510	Integra Reinforcement Matrix, 5cm x 10cm

Product Sizes Shown To Scale



For more information or to place an order, please contact:

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- Always refer to the appropriate instructions for use for complete clinical instructions.
- Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.
- Warning: Applicable laws restrict these products to sale by or on the order of a physician.