ProLayer®
Xenograft
Acellular Dermal Matrix

Operative technique
Achilles tendon repair
Operative technique

Description

ProLayer® Xenograft is an acellular, sterile, porcine dermal matrix for use in reconstruction of soft tissue deficiencies.

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. ProLayer Xenograft 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.

Operative technique

**Step 1 - Surgical approach**

The patient should be placed into the prone position. A posteromedial incision is made and tissue dissection is made down to the paratenon.

**Step 2 - Paratenon incision**

Incise the paratenon longitudinally to expose the Achilles tendon and rupture. Caution should be exercised to avoid injuring the sural nerve.
**Step 3 - Suture repair**

The tendon is prepared by excising all dead and non-viable tissue.

The proximal and distal stump ends should be primarily repaired using the surgeon’s preferred suturing technique and materials.

**Step 4 - Application of ProLayer Xenograft**

ProLayer Xenograft is wrapped circumferentially around the tendon. Either side of the matrix may be placed in contact with the tendon. The matrix should be secured using surgeon’s preferred suture. Care should be taken to achieve intimate contact between ProLayer Xenograft and the tissue with no wrinkles and minimal excess traction in the graft.

Trim any excess matrix and rotate the suture line away from the injured soft tissue.

The matrix should then be sutured to the proximal and distal sections of the tendon. Additional sutures may be placed through the midsection of the matrix and tendon.

**Step 5 - Closure**

Prior to closure the repair should be tested by the surgeon. Subcutaneous tissue closure is then performed in layers.
Ordering information

<table>
<thead>
<tr>
<th>Ref #</th>
<th>Product description</th>
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</thead>
<tbody>
<tr>
<td>3102-2125</td>
<td>2x5cm, 1.1 +/- 0.5mm thick</td>
</tr>
<tr>
<td>3102-2144</td>
<td>4x4cm, 1.1 +/- 0.5mm thick</td>
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<tr>
<td>3102-2147</td>
<td>4x7cm, 1.1 +/- 0.5mm thick</td>
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<tr>
<td>3102-2151</td>
<td>5x10cm, 1.1 +/- 0.5mm thick</td>
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Trauma & Extremities

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325 Corporate Drive
Mahwah, NJ 07430
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55110 USA

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