APERTURE HEALING

Aperture Healing in Femoral Tunnel with AperFix®

MRI evaluation reveals direct tendon-to-bone healing with no indication of fibrous tissue interface often seen with suspension devices. 5, 6

The Significance of Aperture Compression

Suspensory Fixation
Average 60 PSI

AperFix®
Average 492 PSI

AperFix® presented significantly greater tunnel wall compression than a cortical button simulation, which showed minimal tunnel compression. Consistent, high compression at the aperture promotes early graft incorporation and minimizes graft motion in the tunnel. Compression is measured in pounds per square inch (PSI). 4, 6

EFFICIENT TECHNIQUE

Fixation at the Native Footprint
Circumferential Graft Compression
Maximizes Tendon-to-Bone Contact
Provides Optimal Environment for Biologic Incorporation of the Graft 6
Aperture Compression Shortens Construct and Eliminates Graft Motion

Unsurpassed Ease of Use Reduces OR Time and Overall Cost
No Special Instrumentation or Kits Required
Avoids Pin Passage Through the Lateral Cortex and Potential Nerve Damage
Simple Technique Supports Anatomic Placement of AM and PL Bundles

References:
4. Mishra DK, Dreese JC, Leo BM. Cayenne Medical’s AperFix® Femoral Fixation Produces Significant Intratunnel Contact Pressure vs. Cortical Button Fixation [Whitepaper].
5. MRI evaluation reveals direct tendon-to-bone healing with no indication of fibrous tissue interface often seen with suspension devices. 5, 6
**SUPERIOR PATIENT OUTCOMES**

- Outstanding KT-1000 Arthrometry Results of 0.4mm Side-to-Side Difference
- High Patient Satisfaction
- Less than 1% Revision Rate
- Results are Better or Equal to “Gold Standard” BTB Reconstruction

**RELIABLE BIOMECHANICS**

- Exceptional Femoral and Tibial Fixation Strength
- Improved AP and Rotational Stability
- Best in Class Resistance to Cyclic Loading and Pull-Out Forces
- Stiff Construct Enables Aggressive, Early Rehabilitation

**Construct Response To Cyclic Loading**

![Graph showing construct response to cyclic loading](image)

**Ultimate Pull-Out Strength**

![Bar chart showing ultimate pull-out strength](image)

**REFERENCES**

- Mishra DK, Dreese JC, Leo BM. (2013) Cayenne Medical's AperFix® Femoral Fixation Produces Significant Intra-Tunnel Contact Pressure vs. Cortical Button Fixation [Whitepaper].
## Ordering Information

### AperFix® Femoral Implant with Inserter

<table>
<thead>
<tr>
<th>Model #</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-2409</td>
<td>9 mm x 24 mm AperFix® AM Femoral Implant with Inserter</td>
</tr>
<tr>
<td>CM-2410</td>
<td>10 mm x 24 mm AperFix® AM Femoral Implant with Inserter</td>
</tr>
<tr>
<td>CM-2909</td>
<td>9 mm x 29 mm AperFix® II Femoral Implant with Inserter</td>
</tr>
<tr>
<td>CM-2910</td>
<td>10 mm x 29 mm AperFix® II Femoral Implant with Inserter</td>
</tr>
<tr>
<td>CM-2911</td>
<td>11 mm x 29 mm AperFix® II Femoral Implant with Inserter</td>
</tr>
</tbody>
</table>

### AperFix® II Tibial Implant with Driver

<table>
<thead>
<tr>
<th>Model #</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-3008</td>
<td>8 mm x 30 mm Tibial Implant with Driver</td>
</tr>
<tr>
<td>CM-3009C</td>
<td>9 mm x 30 mm Cannulated Tibial Implant with Driver</td>
</tr>
<tr>
<td>CM-3010C</td>
<td>10 mm x 30 mm Cannulated Tibial Implant with Driver</td>
</tr>
<tr>
<td>CM-3011C</td>
<td>11 mm x 30 mm Cannulated Tibial Implant with Driver</td>
</tr>
</tbody>
</table>

### AperFix® Disposable Instruments

<table>
<thead>
<tr>
<th>Model #</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-7014</td>
<td>Calibrated Drill Tipped Guide Wire, 2.4 mm x 14&quot;</td>
</tr>
<tr>
<td>CM-1501</td>
<td>ACL Disposable Procedure Kit</td>
</tr>
<tr>
<td>CM-7609</td>
<td>Accessory Portal Kit with Low Profile Drill and EZ Shuttle™ Suture Loop, 9 mm</td>
</tr>
<tr>
<td>CM-7610</td>
<td>Accessory Portal Kit with Low Profile Drill and EZ Shuttle™ Suture Loop, 10 mm</td>
</tr>
<tr>
<td>CM-7611</td>
<td>Accessory Portal Kit with Low Profile Drill and EZ Shuttle™ Suture Loop, 11 mm</td>
</tr>
</tbody>
</table>

---

Caution: Federal law (USA) restricts this device to sale only by or on the order of a physician. © Copyright 2013 Cayenne Medical, Inc. All rights reserved. Cayenne Medical is a trademark of Cayenne Medical, Inc. These products are covered by one or more U.S. patents pending. Printed in the USA. AperFix® is a registered trademark of Cayenne Medical, Inc.