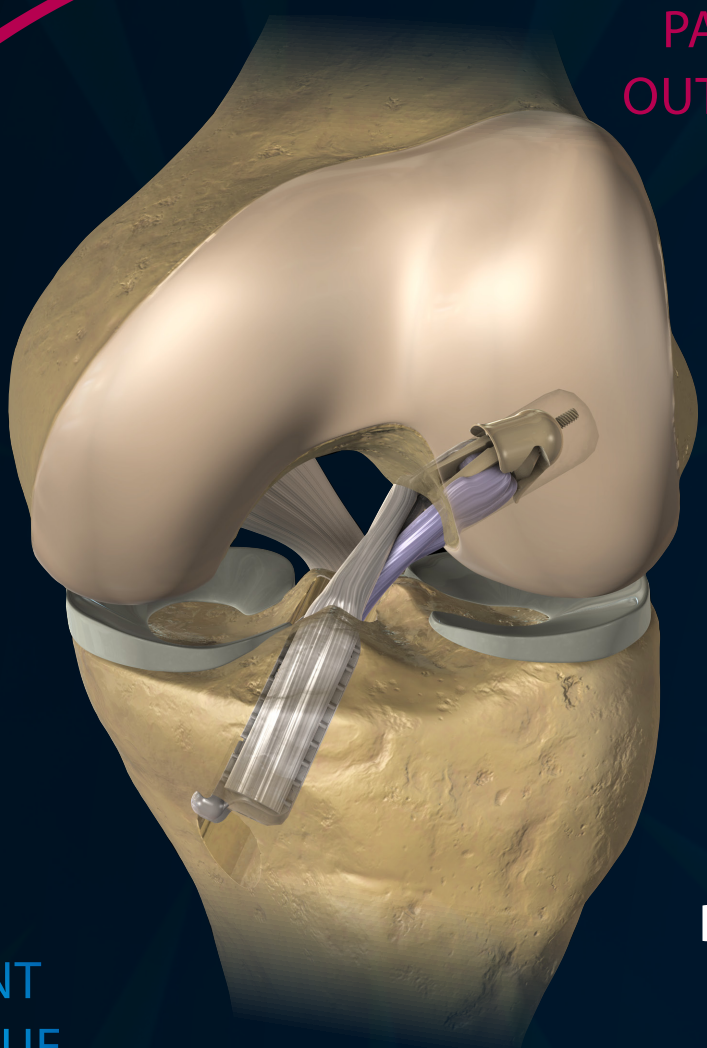
The AperFix® System

The Anatomic Implant

SUPERIOR PATIENT OUTCOMES

APERTURE HEALING



RELIABLE BIOMECHANICS

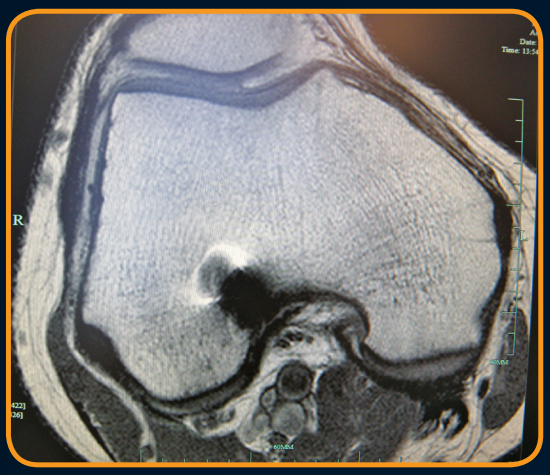
EFFICIENT TECHNIQUE

cayenne MEDICAL

EXPERIENCE OUR SU

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]

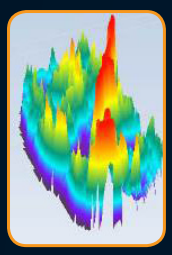
APERTURE HEALING

- 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

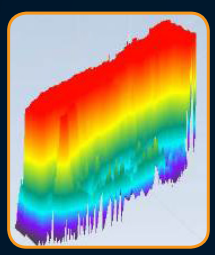
EFFICIENT TECHNIQUE

- 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

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

Simple Insertion

Fast Deployment

Reliable Reconstruction

References: [1] Aga C, Rasmussen MT, Smith SD, et al. Biomechanical Comparison of Interference Screws and Combination Screw and Sheath Devices for Soft Tissue Anterior Cruciate Ligament Reconstruction on the Tibial Side. *Am J Sports Med.* 2013; published online before print February 12, 2013.

[2] Uribe JW, Arango D, Frank J, Kiebzak GM. Two-year Outcome With the AperFix System for ACL Reconstruction. *Orthopedics.* 2013; 36(2): 159-164.

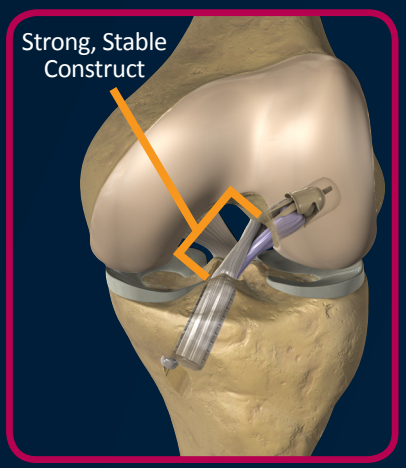
[3] Petre BM, Smith SD, Jansson KS, et al. Femoral cortical suspension devices for soft tissue anterior cruciate ligament reconstruction: a comparative biomechanical study. *Am J Sports Med.* 2013; 41(2): 416-422.

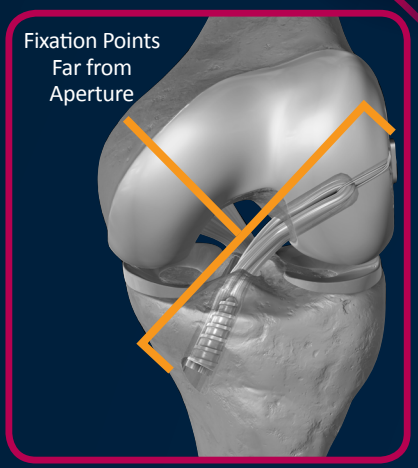
[4] Mishra DK, Dreese JC, Leo BM. (Cayenne Medical's AperFix® Fem Fixation Produces Significant Intr Tunnel Contact Pressure vs. Corti Button Fixation [Whitepaper].

SUPERIOR RESULTS.

SUPERIOR PATIENT OUTCOMES

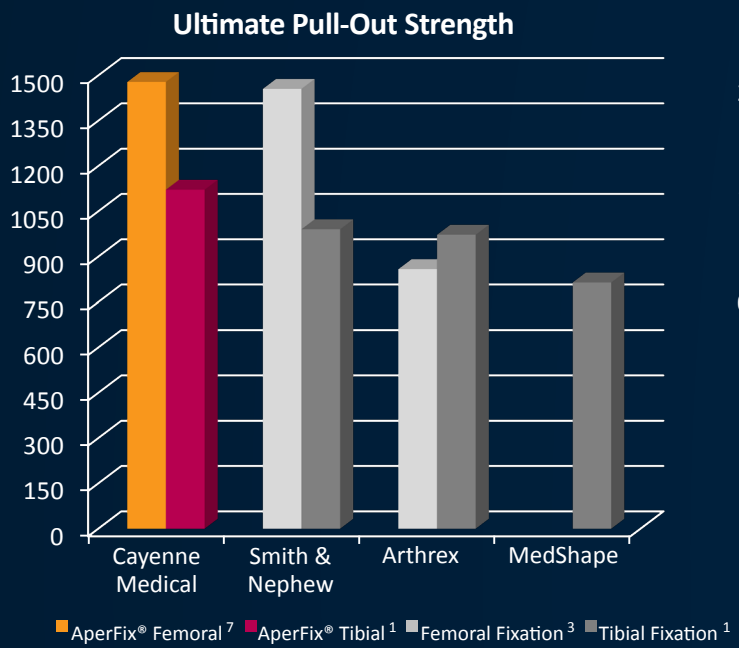
- Outstanding KT-1000 Arthrometry Results of 0.4mm Side-to-Side Difference [2]
- High Patient Satisfaction [2]
- Less than 1% Revision Rate [2]
- Results are Better or Equal to "Gold Standard" BTB Reconstruction [2, 9]

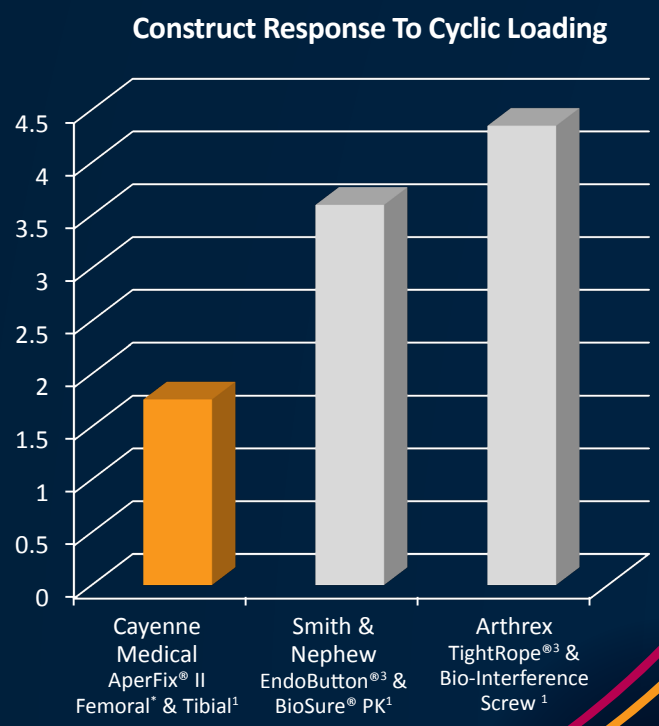




RELIABLE BIOMECHANICS

- Exceptional Femoral and Tibial Fixation Strength
- Improved AP and Rotational Stability [8]
- Best in Class Resistance to Cyclic Loading and Pull-Out Forces
- Stiff Construct Enables Aggressive, Early Rehabilitation





SUPERIOR PATIENT OUTCOMES

RELIABLE BIOMECHANICS

BM. (2013) ® Femoral nt Intra- Cortical er].

[5] MRI image evaluated and provided by renowned radiologists: Jana Crain, MD & David Stroller, MD. * Data on File.

[6] Weiler A, Hoffman RFG, Bail HJ, et al: Tendon healing in a bone tunnel. Histological analysis after biodegradable interference fit fixation. *Arthroscopy.* 1999; 15: 548–549.

[7] Cayenne Medical. (2009). Fixation Strength of a New Device for Soft Tissue Anterior Cruciate Ligament Reconstruction [Whitepaper].

[8] Gadikota, HR et al. Biomechanical Comparison of Single-Tunnel–Double-Bundle and Single-Bundle Anterior Cruciate Ligament Reconstructions. *Am J Sports Med.* 2009; 37 (5): 962-969.

[9] Shelbourne DK, Gray T. Minimum Ten Year Results After Anterior Cruciate Ligament Reconstruction. *Am J Sports Med.* 2009; 37:471-480.

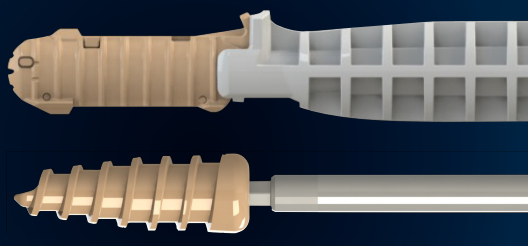
SIMPLY **ANATOMIC.**

Ordering Information

AperFix® Femoral Implant with Inserter	
Model #	**Item Description**
CM-2409	9 mm x 24 mm AperFix® AM Femoral Implant with Inserter
CM-2410	10 mm x 24 mm AperFix® AM Femoral Implant with Inserter
CM-2909	9 mm x 29 mm AperFix® II Femoral Implant with Inserter
CM-2910	10 mm x 29 mm AperFix® II Femoral Implant with Inserter
CM-2911	11 mm x 29 mm AperFix® II Femoral Implant with Inserter
AperFix® II Tibial Implant with Driver	
Model #	**Item Description**
CM-3008	8 mm x 30 mm Tibial Implant with Driver
CM-3009C	9 mm x 30 mm Cannulated Tibial Implant with Driver
CM-3010C	10 mm x 30 mm Cannulated Tibial Implant with Driver
CM-3011C	11 mm x 30 mm Cannulated Tibial Implant with Driver
AperFix® Disposable Instruments	
Model #	**Item Description**
CM-7014	Calibrated Drill Tipped Guide Wire, *2.4 mm x 14"*
CM-1501	ACL Disposable Procedure Kit
CM-7609	Accessory Portal Kit with Low Profile Drill and EZ Shuttle™ Suture Loop, *9 mm*
CM-7610	Accessory Portal Kit with Low Profile Drill and EZ Shuttle™ Suture Loop, *10 mm*
CM-7611	Accessory Portal Kit with Low Profile Drill and EZ Shuttle™ Suture Loop, *11 mm*

AperFix® II, 29mm Femoral Implant

AperFix® AM, 24mm Femoral Implant



AperFix® II Tibial Sheath & Screw

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