Resuscitate Your MTPJ Correction!

**Complete Plantar Plate Repair (CPR™)**

- Arthrex expertise and innovative arthroscopic instrumentation, brought to the forefoot
- Direct repair from a dorsal incision to treat and prevent crossover and floating toe
- Reconstruct the soft tissue complex to its anatomic state, eliminating 2nd MTP Joint instability
- The Mini Scorpion™ DX and Micro SutureLasso™ provide state-of-the-art suture passing options for suturing the plantar plate

**Mini Scorpion DX CPR technique**

Grasp, pass, and retrieve with the **NEW!** Mini Scorpion DX
Complete Plantar Plate Repair (CPR)

A crossover second toe is a common foot condition. Until recently, the surgical treatment of the 2nd MTP joint subluxation was characterized by indirect repairs. The most frequent options were synovectomy, soft tissue release, tendon transfers, and bony decompression. Results improved with the advent of distal metatarsal osteotomies, but this did not directly address the plantar plate tear. None of these methods directly reconstruct the plantar plate tear or the collateral ligament attenuation. The plantar plate, in conjunction with the collateral ligaments, provides the main stability of the 2nd MTP joint. Arthrex describes its direct repair of the plantar plate from a dorsal approach below. The surgical treatment is a reconstruction of the anatomic structures that lead to the instability of the 2nd MTP joint. A plantar plate repair and lateral or medial soft tissue reefing can restore normal joint alignment.

Surgical Technique Using Mini Scorpion DX

1. Dorsal incision centered over 2nd MTP Joint. Use of a McGlamry Elevator is recommended, as this aids in the translation of the capital fragment. Well osteotomy is then performed, and capital fragment is pushed back with the metatarsal pusher 8 – 10 mm and pinned with a .062” K-wire.

2. Utilize the Arthrex Small Joint Distractor to gain access to the plantar plate. Use the pin in the metatarsal, and place the second .062” K-wire in the base of the proximal phalanx to secure the device. Open the distractor to gain dorsal access to the plantar plate.

3. Release the plantar plate from the base of the proximal phalanx with a blade. Be sure to release it as close to the insertion of the proximal phalanx as possible. This will allow advancement of the plantar plate as a single unit.

4. Use the Mini Scorpion DX or Micro SutureLasso to stitch the plantar plate. One can use an inverted mattress or a running stitch for fixation of the plantar plate. Use a currette, rasp, or rongeur to roughen the plantar side of the proximal phalanx.

5. The distractor and .062” K-wire in the phalanx are removed and crossing drill tunnels from dorsal medial to plantar lateral, and dorsal lateral to plantar medial are created. Parallel holes can also be employed. Use an Arthrex suture passer to bring sutures from plantar to dorsal in the phalanx.

Note: It is critical to see the K-wire exit just below the plantar cartilage.

6. Remove the .062” K wire in the metatarsal and bring the capital fragment out to the desired length before placing the QuickFix clamp and 2 mm QuickFix “snap-off” Screws to secure the osteotomy. Place the the phalanx in 10 – 15° of plantar translation and tie four to five surgeon knots with the 0 FiberWire® to secure the plantar plate to the base of the proximal phalanx.

Ordering Information

Implant System, CPR Mini Scorpion DX and Micro SutureLasso (AR-8690DS) includes:

- Mini Scorpion DX Needle
- Micro SutureLasso Plantar Plate Pigtail, Right
- Micro SutureLasso Plantar Plate Pigtail, Left
- QuickFix Screw, 2 mm x 11 mm
- QuickFix Screw, 2 mm x 13 mm
- Metatarsal Measuring Guide
- Suture Retriever, Plantar Plate, qty. 2
- Suture Retriever, 1.5” Funnel, qty. 2
- Ruler, 6”
- 0 FiberWire, blue, qty. 2
- 0 FiberWire, white, qty. 2
- 0 TigerWire w/Needle, 38”, white/green

Mini Scorpion DX CPR Instrument Set (AR-8690S) includes:

- Mini Scorpion DX
- Small Joint Distractor
- McGlamry Metatarsal Elevator, 11 mm
- QuickFix Clamp
- Small Handle with AO Connection
- Driver Shaft for QuickFix Screw, 2 mm
- QuickFix Screw Cutter, 2 mm
- Metatarsal Head Pusher
- Mini Scorpion Instrument Case

Accessories (optional):

- Mini Scorpion DX
- Mini Scorpion Curved
- Small Joint Distractor
- QuickFix Clamp for Weil Osteotomies
- SutureLasso, Pigtail, Left curved
- SutureLasso, Pigtail, Right curved
- 0 FiberWire

Disposables:

- Guide Wire w/Trocar Tip, .062” (1.6 mm)
- Guide Wire w/Trocar Tip, threaded, .062” (1.6 mm)
- Guide Wire w/Trocar Tip, .078” (2 mm)
- Guide Wire w/Trocar Tip, threaded, .078” (2 mm)

Scan to view supporting marketing materials on the Arthrex website

http://tinyurl.com/ARTHREX-CPR

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