



Primal OCD™ Osteochondral Deficit (OCD) System



DESIGN RATIONALE

- ▶ Joint-preserving solution for early-stage pathology and contained osteochondral defects of the first metatarsal head
- ▶ Fresh osteochondral allograft designed to restore both cartilage and subchondral bone
- ▶ Purpose-built instrumentation for controlled defect preparation and precise implant delivery
- ▶ Three osteochondral allograft diameters (4mm, 6mm, and 8mm) to accomodate varying defect sizes
- ▶ Defect-matched sizing helps preserve surrounding healthy bone and cartilage
- ▶ Dedicated fixation designed to resist implant migration prevent subsidence and support maintenance of allograft position
- ▶ Bone Marrow Aspirate Kit available as a complementary biologic option for use with PRIMAL™ OCD Cartilage Repair System

ENGINEERED FOR STABILITY

3.9×

GREATER RESISTANCE
TO SUBSIDENCE

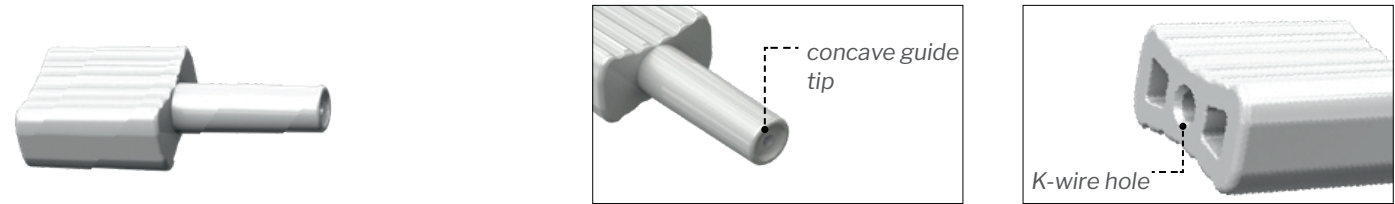
In benchtop mechanical testing, the PRIMAL™ OCD construct demonstrated **subsidence resistance at least 3.9x greater** than the clinically-derived physiological loading criterion.^{1*}

* Bench-test results may not predict clinical performance.



¹ Wyss UP, McBride I, Murphy L, Cooke TDV, Olney SJ. Joint reaction forces at the first MTP joint in a normal elderly population. Journal of Biomechanics. 1990;23(10):977–984.

FEATURED INSTRUMENTATION:



Flush Guide:
Supports accurate k-wire placement and depth while maintaining flush contact with metatarsal head lesion



Reamer:
Defect-matched sizing available in 4mm, 6mm, and 8mm diameter options



Cortical Pin Guide:
Guides drilling from dorsal metatarsal cortex into the reamed implant tunnel for crossing fixation



Ø3.0 mm Drill:
For 6mm or 8mm osteochondrallograft implants



Ø1.4 mm Implant K-wire:
For 4mm osteochondral allograft implant



Plug Inserter + Tamp
Guides cartilage plug into reamed hole and assists with final seating of osteochondral allograft

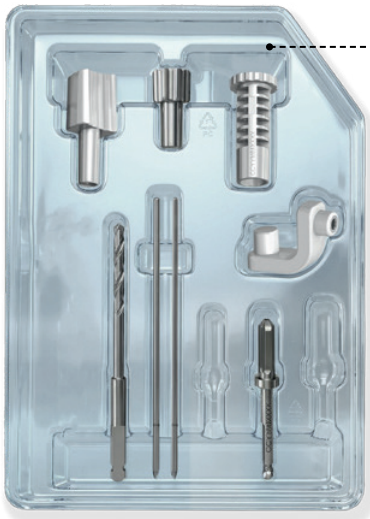


Cartilage Plug
Available in sizes 8 mm, 6 mm, and 4 mm diameters

INSTRUMENT CASE CONTENTS:



- Primal OCD Instrument Kit, Ø4.0 mm:**
[P69-900-0004-SK]
- ▶ K-wire Flush Guide
 - ▶ Primal OCD K-wire, Ø1.4mm x 10cm
 - ▶ K-wire, Ø1.4mm x 10cm, Threaded
 - ▶ OCD Plug Reamer, 4mm
 - ▶ Fixation Targeting Guide for 4mm Plug
 - ▶ Cartilage Plug Inserter and Tamp, 4mm
 - ▶ Cortical Dowel Drill, 3.0mm
 - ▶ Cortical Dowel Tamp
 - ▶ Cortical Dowel Tamp Guide



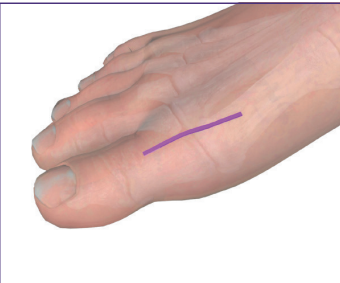
- Primal OCD Instrument Kit, Ø6.0 mm:**
[P69-900-0006-SK]
- ▶ K-wire Flush Guide
 - ▶ Primal OCD K-wire, Ø1.4mm x 10cm
 - ▶ K-wire, Ø1.4mm x 10cm, Threaded
 - ▶ OCD Plug Reamer, 6mm
 - ▶ Fixation Targeting Guide for 6mm Plug
 - ▶ Cartilage Plug Inserter and Tamp, 6mm
 - ▶ Cortical Dowel Drill, 3.0mm
 - ▶ Cortical Dowel Tamp
 - ▶ Cortical Dowel Tamp Guide



- Primal OCD Instrument Kit, Ø8.0 mm:**
[P69-900-0008-SK]
- ▶ K-wire Flush Guide
 - ▶ Primal OCD K-wire, Ø1.4mm x 10cm
 - ▶ K-wire, Ø1.4mm x 10cm, Threaded
 - ▶ OCD Plug Reamer, 8mm
 - ▶ Fixation Targeting Guide for 8mm Plug
 - ▶ Cartilage Plug Inserter and Tamp, 8mm
 - ▶ Cortical Dowel Drill, 3.0mm
 - ▶ Cortical Dowel Tamp
 - ▶ Cortical Dowel Tamp Guide

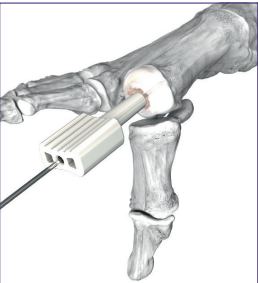
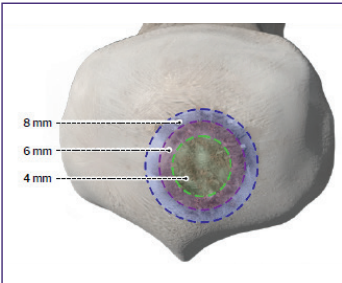
Primal OCD Implants (Plugs and Dowels) sold separately from Instrument Kits

TECHNIQUE SUMMARY



Incision & Exposure

Expose and assess the osteochondral defect to select appropriate implant size



K-Wire Placement

Position the Flush Guide over the lesion and advance the K-wire into the metatarsal



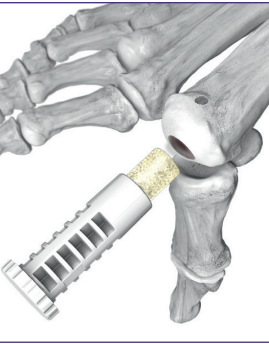
Preparation—Osteochondral Allograft

Advance reamer over K-wire to prepare osteochondral allograft implantation site



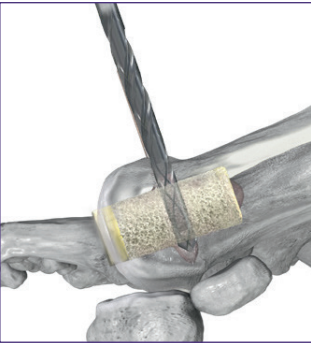
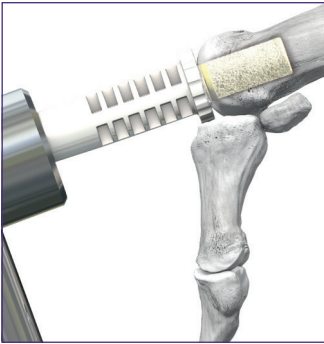
Preparation—Crossing Fixation

Insert the Cortical Pin Guide and create the dorsal to plantar fixation path



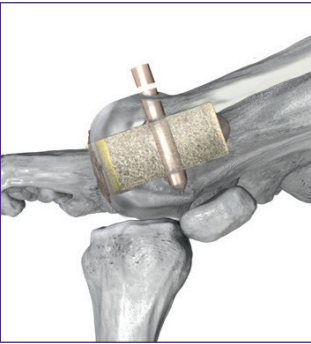
Implant Insertion

Guide the cartilage plug into the reamed site using the Plug Inserter, then use the tamp to seat the cartilage surface flush with the metatarsal head



Final Implant Fixation

Drill and insert corresponding crossing fixation and trim excess so dorsal surface is flush with metatarsal.



NOTES

[illegible]

NOTES

This image shows a full page of white paper with horizontal dashed lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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