Paragon[®]

PRESERVE™ HAMMERGRAFT SYSIEM

PRESERVE™ HammerGraft™ System

The PRESERVE[™] HammerGraft[™] is a minimally manipulated aseptically processed allograft designed specifically for fixation of the proximal interphalangeal (PIP) joint.



HammerGraft[™] Features

Donor Site and Processing

- HammerGraft[™] implant harvested from the cortical rim of the tibia or femur
 Designed to meet the strength requirements of the PIP joint
- HammerGraft[™] Cancellous Spacer is harvested from cancellous bone
 Allows for more rapid incorporation while maintaining the length of the toe
- The only aseptically processed hammertoe allograft available on the market
 - Processed without gamma radiation in order to help avoid structural fatigue
 and crumbling
 - Hydrogen peroxide avoided during processing to help preserve the osteoinductivity of the graft

Shape and Sizing

- Ribs on graft in combination with the drill diameter were optimized to minimize crushing of cancellous bone during insertion and resist pullout
- · Cross section of implant helps resist rotation
- · Tapered design allows for a press fit during insertion
- Offered in 2.3 mm and 2.8 mm diameters
 - Straight and angled

Delivery and Packaging

- Packaged in hydration solution no reconstitution necessary which may save time in the operating room
- Instrumentation available in a non-sterile configuration to eliminate waste associated with disposable kits

Implant Offering

PRESERVE™ HammerGraft™ Implants

Available in four different configurations

	2.3 HammerGraft™	2.3 HammerGraft™ Angled	2.8 HammerGraft™	2.8 HammerGraft™ Angled
PRESERVE HAMMERGRAFT [™] SYSTEM				
Diameter	2.3 mm	2.3 mm	2.8 mm	2.8 mm
Length	19 mm	19 mm	21 mm	21 mm
Angle	0°	10°	0°	10°

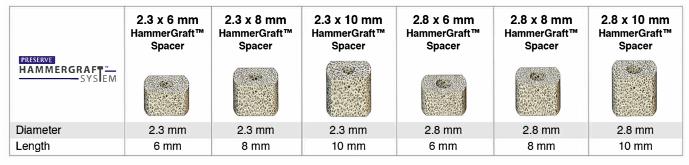
Exclusively foot & ankle

PRESERVE^{**}

<u>HammerGraf</u> ТМ **Cancellous Spacer**

PRESERVE™ HammerGraft™ Cancellous Spacer

Available in six configurations



PRESERVE™ HammerGraft™ Science

Bending vs. Breaking of Trabecular Bone

Thorough Finite Element Analysis (FEA) was conducted to evaluate the influence of rib height on the graft and potential broaching which could take place to surrounding cancellous bone during insertion. During insertion surrounding cancellous bone will temporarily deform before returning to its original position as the cortical dowel passes through it.

Paragon 28 optimized the rib height and drill diameter to ensure maximum pull-out strength while minimizing any plastic deformation to surrounding cancellous bone.1

PRESERVE™ HammerGraft[™] System

SYSTEM SPECIFIC INSTRUMENTATION

All of the system instrumentation is cannulated to accommodate either a trocar or a guide wire.

Paragon 28 Medical Devices Trading Limited



Guidewire

Assembly: Trocar with Drill

 Allows the surgeon during drilling to utilize either a solid drilling technique with the trocar to eliminate skiving or a more traditional retrograde technique with the drill passing over the guide wire

Inserter

- Intended to control the depth to which the implant will be placed
- · Press release mechanism which frees the implant from the inserter at the appropriate depth
- May be reprocessed reducing waste associated with each case
- HGRF-01 RevB

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Planer

- · Fluted tip to aid in preparation of either side of the joint space
- Trocar insert helps to limit skiving during reaming

References: ¹ Test Report 17011701

Paragon 28, Inc. 4B Inverness Ct. E., Suite 280 Englewood, CO 80112 USA (855) 786-2828 **C E** 2797

Dublin 2 D02 K792 Ireland +353 (0) 1541 4756

43 Fitzwilliam Square West For additional information on Paragon 28® and its products please visit: http://www.paragon28.com Exclusively foot & ankle

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