accufix SURGICAL

SURGICAL TECHNIQUE

The Accu-Joint™ Hemi Implant System is a revolutionary, patented, FDA-approved resurfacing treatment for arthritic disorders of all 5 MTP joints that is designed to restore natural motion and preserve an active lifestyle.

STEP 1

Obtain full exposure by performing an extra articular cheilectomy using a bone saw, rongeur, and rasp where indicated. In all cases it is essential that a McGlamry elevator is used to free the sesamoids.

STEP 2

Use the opposing side trial to size 10% to 15% smaller than the outer cortical diameter of the bone surface.

STEP 3

Center and align the trial to the bone articular surface. The trial for the Accu-Joint™ Hemi Implant should be positioned perpendicular to the articular set angle.

STEP 4

Drive the K-wire axial, leaving 30 - 40mm (1.2 - 1.6 inches) exposed. Position for the articular set angle should be confirmed with imaging.

STEP 5

Use the cannulated joint two-stage reamer gently and lightly with high-speed revolution for removal of worn cartilage and to create outer articulation and any indicated decompression of no more than three to four millimeters. The subchondral bone remains preserved for the four-point rigid fixation of the Accu-Joint™ .

STEP 6

Drill the pilot hole until the top of the counterbore is flush with the surface of the bone.

STEP 7

Use the trial to ensure complete 360 degree seating, range of motion, and alignment of the Accu-Joint™ Hemi Implant. Any remaining extra articular osteophytes are removed to ensure smooth range of motion. The tap can be used based on bone hardness, at the surgeons discretion.

STEP 8

Remove the K-wire and thread the Accu-Joint™ Hemi Implant into the pilot hole using the T-6 driver. Use two finger tightness to secure the implant. (cleared for use with bone cement).

STEP 9

Simulate weight-bearing and assess range of motion.

CHOOSE FUNCTION OVER FUSION

RETAIN FUNCTIONALITY

Provides rigid fixation by utilizing the preserved rigid bone mass to ensure the necessary strength and stability needed for full foot functionality.

PATENTED DESIGN

Replaces only what is anatomically required, avoiding resection of hard bone.

NON-WEIGHT BEARING

Implants are 10% - 15% smaller than the diameter of the bone end, ensuring weight bearing on the bone, not the implant.

INTRA-OPERATIVE FLEXIBILITY

The Accu-Joint™ is available in multiple sizes designed to treat the pathology of the greater and lesser MP joints. The surgeon has the option of addressing the metatarsal head or the phalangeal base, depending on clinical indications.