



Exact Osteotomy System "EOS"

Indications for Use:

1. For correction of bunion deformity requiring either varus or valgus correction
2. For correction of bunion deformity requiring joint decompression

Contra-Indications:

- 1) A general health problem that might pose a significant threat to the life of the patient if subjected to a major surgical procedure.
- 2) An active infection or a previous infection of the lower extremity that has not been quiescent for at least six months.
- 3) A local or systemic infection.
- 4) Significant deficiency in the vascular supply to the extremity.
- 5) A condition of the toe which may lend itself to a more conservative procedure.

Sterile:



Sterilized with ethylene oxide gas. Caution: For one procedure only. Do not re-sterilize. Do not use if package is open or damaged. This is a single use device. Re-use of this device can result in the transfer of materials not limited to bone, tissue, blood or infectious disease. This device is provided sterile and re-sterilization of the device has not been validated.

Single Stage Guide / DMAA Guide:

1. Resect a small wafer of medial eminence from the metatarsal head creating a flat medial surface.
2. Affix the device on the metatarsal head at the desired location using a 0.045 Kirshner wire.
3. Use a small hemostat over the posterior k-wire to stabilize the guide against the bone surface.
4. Cut the Kirshner wire flush to the guide and the hemostat.
5. Use a sagittal saw to make through cuts until the capital fragment is free.
6. Remove the hemostat and Kirshner wires.
7. Fixate the osteotomy with the surgeon's desired technique and remove medial eminence created by lateral transportation with sagittal saw.

Precautions:

- a) When using the DMAA Guide, use only the left and right guides for the appropriate foot. (Do not use left guide on right foot or right guide on left foot.)
- b) The post on the DMAA Guide should point away from the toe. Placing the post against the toe will result in an improper cut and a failed procedure.

Two Stage Guide:

1. Resect medial eminence of the first metatarsal in desired fashion.
2. Place 0.045 Kirshner wire into metatarsal head at desired apex point of intended osteotomy.
3. Slide the stage one guide onto wire at apex hole. Cut wire flush over guide.
4. Orient stage one guide in position of intended osteotomy and place 0.045 Kirshner wire into bone through the 2-proximal guide holes.
5. Place a hemostat over proximal most Kirshner wire against guide to prevent migration during cutting.
6. Cut proximal k-wires flush over guide and hemostat.
7. Use slots and saw blade provided to perform through and through osteotomy.
8. Remove guide.
9. Apply desired 5°, 10° or 15° Expert Osteotomy System™ guide onto proximal Kirshner wires and re-apply hemostat.
10. Re-insert saw and perform through and through osteotomy cuts.
11. Remove guide and Kirshner wires.
12. Remove medial based wedge of bone from osteotomy site.
13. Transpose and impact capital fragment at desired position and perform fixation with surgeon's preference.

***SAW BLADES AND K-WIRES ARE ONLY FOR USE WITH SURGICAL POWER INSTRUMENTS DESIGNED FOR SMALL BONE SURGERY.**

***FOR OPTIMUM SURGICAL RESULTS, A NEW BLADE IS RECOMMENDED FOR EACH SURGICAL PROCEDURE; THIS DECREASES THE RISK OF THERMAL NECROSIS AND EXPENSIVE WEAR AND TEAR ON THE HAND PIECE.**

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