Plate Application

- Expose bone in the interval between the ECU and FCU.
- Apply plate on bone. Ensure that the two small holes on the side of the plate are visible.
- Position plate to avoid distal impingement during shortening.
- Insert one 3.2mm screw in the slotted hole at the end farthest from the osteotomy site, and three 3.2mm screws on the opposite side of plate, starting with the end screw hole.

Guide and Pins

- Place the Combination Drill (CD) Guide on the plate.
- Insert a short 1.6mm (0.062") K-wire flush along the back wall of the pin slot in the CD Guide and through one cortex.
- Repeat with longer K-wire and remove CD Guide.

Osteotomy

- Select the appropriate ‘A’ guide based on the planned resection (2, 3, 4, 5mm) and insert into the plate. Hold guide with bone clamp or 1.6mm K-wire (see Tips).
- Make cut with a saw blade of 0.4mm thickness. Irrigate liberally.

Application of Compression Clamp

- Insert the Compression Clamp into the hole on the fixed edge of the plate.
- Adjust the clamp so the K-wire sleeve is just below the central axis of the ulna and away from the osteotomy site.
- Insert a 1.6mm (0.062") K-wire through the sleeve engaging the far cortex.
Compression of the Osteotomy
- Loosen the screw in the slotted hole only 1/4 turn.
- Shorten ulna with Compression Clamp. Use a bone clamp for added compression of osteotomy site.
- Check both sides of osteotomy site for bone coaptation.

Prepare Lag Screw Hole
- Re-apply CD Guide and drill lag screw hole using 2.3mm (red) drill and guide.
- Remove CD Guide.
- Measure to the long side of the hole.
- Use a bone tap to ensure that lag screw is easy to insert.

Insert Lag Screw
- Insert lag screw ensuring penetration of far cortex.
- Re-tighten cortical screw in slotted hole watching that osteotomy remains compressed.

Final Fixation
- Insert the remaining cortical screws.
- Remove K-wires and clamps.
TIPS

- A 1.6mm K-wire or the bone clamp can be used to stabilize the cutting guides to the plate while osteotomy cuts are made.
- Osteotomies larger than 5mm may be made by performing successive cuts.

**Ulnar Osteotomy Compression Plate**

**UOCP**

- LAG HOLE
- K-WIRE SLOTS
- SLOTTED HOLE
- INSTRUMENT HOLES

**Combination Drill Guide**

**GDUOS-1.6**

**Cortical Screw**

**HEX3.2-xx**

10mm to 18mm

**Cortical Locking Screw**

**LCBS3.2-xx**

10mm to 18mm

**Cortical Lag Screw**

**LAG3.2-xx**

14mm to 26mm

**K-Wire**

**WIRE-1.6/065**

10mm to 18mm

**Saw Blade**

**OSB-9x**

0.4mm thickness

*(Use blade lengths of 25–32mm and widths of 6–10mm)*

**Bone Clamp**

**OBC**

**Saw Guide**

**UOSG-A-x**

02mm to 05mm

**UOSG-B**

**Compression Clamp**

**COMPC-UOS**

The technique presented is one suggested surgical technique. The decision to use a specific implant and the surgical technique must be based on sound medical judgment by the surgeon that takes into consideration factors such as the circumstances and configuration of the injury.

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