Surgical technique for phalangeal osteotomy with dynamic nail-plate fixation

TriMed®

CONCEPT

By using the dynamic nail-plate, indications for osteotomy may be extended to bones weakened by prior surgery or by severe demineralisation, as well as to cases where significant shortening leaves nonmatchable osteotomy surfaces.

Operative technique

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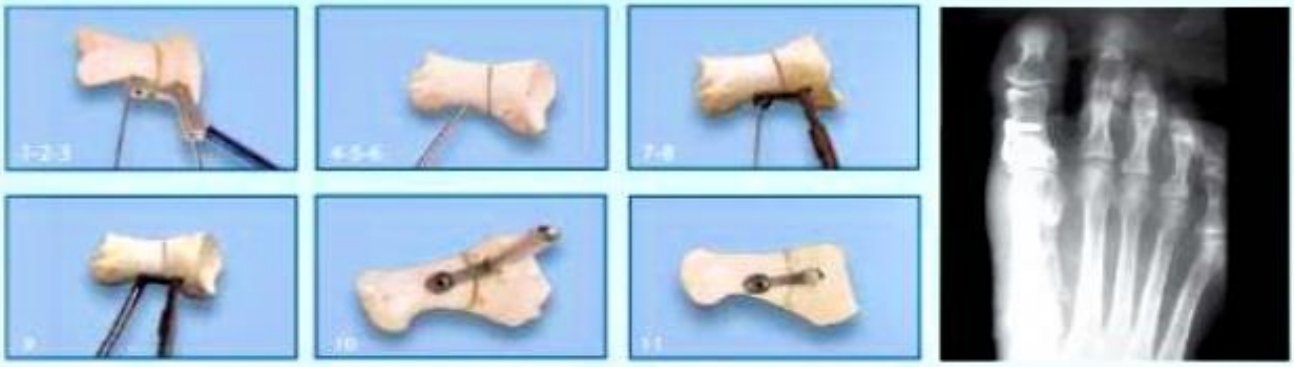

Afetr reduction, maintain the osteotomy using a temporary wire or bone holding forceps.

1 - Position the alignment guide
2 - Use the grey ring full drill and follow the guiding shaft at an angle of approximatively 75° to the diaphyseal axis. Leave the drill temporarily in place.
3 - Place a 0.8mm wire through the eyelet, as distally as possible, and in such way that the screw and the nail converge and ensure the stability of the construct.

4 - Remove the drill and the alignment guide, but leave the distal wire in place.
5 - Drill, using the guided blue and grey cannulated drill.
6 - Read the length of screw necessary directly off the drill as soon as there is contact with the cortex, but before perforating it.

7 - The nail-plate still attached to its disposable base is placed thanks to the handle MV000.
8 - Impact the nail.
9 - Place the screw using the blue and grey ring cannulated screwdriver.

10 - When it is properly tightened, it will exert a compressive force, its head sunk within the nail-plate's eyelet.

11 - Remove the base part.