

BONEBRIDGE CLINICAL CASES

SALGINA[®] CASE 3

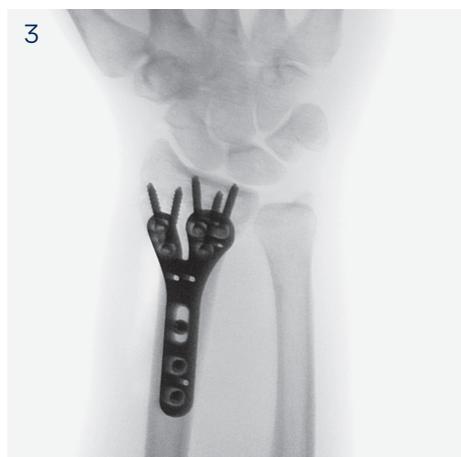


1–2 PRE-OP

A 70-year-old male patient presented to the emergency department after sustaining an injury to his left wrist from a fall at standing height. He was diagnosed with an intra-articular fracture to his left distal radius with 40° of dorsal angulation. The patient was treated with ORIF.

3–5 INTRA-OP

A narrow SALGINA 2.5mm Volar Distal Radius Plate was selected for internal fixation. The dorso-ulnar articular fragment was reduced to the main fragment and temporarily fixed with a 1.4mm K-wire. Once reduction of the intra-articular aspect was confirmed by fluoroscopy, the joint block was mobilized and elevated to the palmar cortex. The plate was positioned firstly to the radial shaft and secured with a cortex screw, then used as a lever to align the radial shaft to the joint block. Palmar tilt was restored to 10°. The distal locking screws were inserted to obtain subchondral fixation, including the second-row screws. Two locking screws were inserted into the plate shaft. A final check was conducted to confirm mobility and stability of the wrist. No crepitus or steps in the joint surface were observed. Upon closing of the wound, the pronator quadratus muscle was repaired to a part of the brachioradialis muscle insertion. The patient was sent home with a splint and advised not to bear any weight until follow-up at six weeks.





6-7

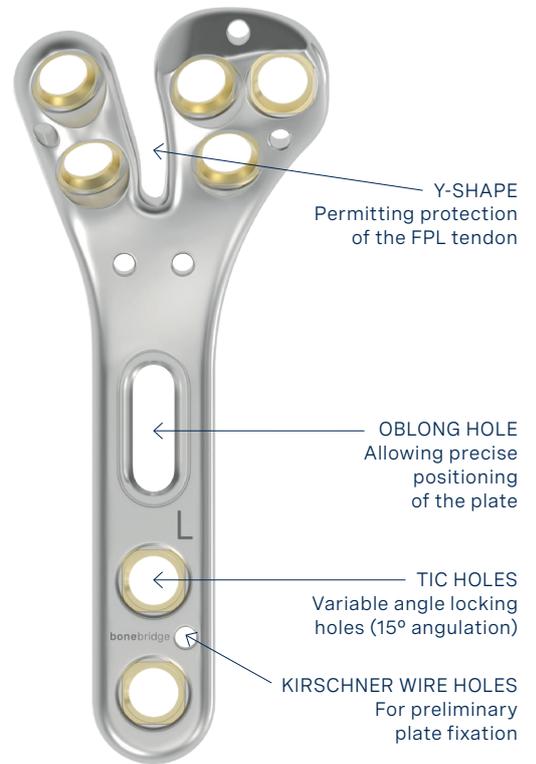
SIX WEEKS POST-OP

The patient returned for a follow-up at six weeks post-op and occupational therapy was commenced. Imaging revealed good progress in bone healing and maintenance of fracture reduction.

THREE MONTHS POST-OP

At three months post-op, the patient returned with continued progress in healing. Clinical examination revealed wrist flexion/extension of 60/0/60°, supination/pronation of 70/0/80° and ulnar/radial abduction of 20/0/20°. Fist strength was measured using the Jamar instrument with a result of 22kg (opposite 24kg).

Bonebridge kindly thanks
Andreas Schweizer M.D. for providing this case.



SALGINA® Narrow | 22mm width, 52mm length