

# Chronically infected non-union of the distal tibia

**Patient:** 32-year old female, type A host, was in a car crash and received an exposed pilon fracture that was stabilized with an external fixator.

**Bacterial culture:** *Staphylococcus aureus*

**Operation:** The patient was diagnosed with septic non-union 9 months after trauma. The patient refused new external fixation. The external fixator was removed and, after 15 days, the following procedure was carried out: osteotomy of the fibula, debridement of the non-union septic focus, local application of 20 cc/1.0-2.0 mm (medium) BonAlive® granules mixed with autograft in a 50/50 ratio, intramedullary nailing.

Pre-op

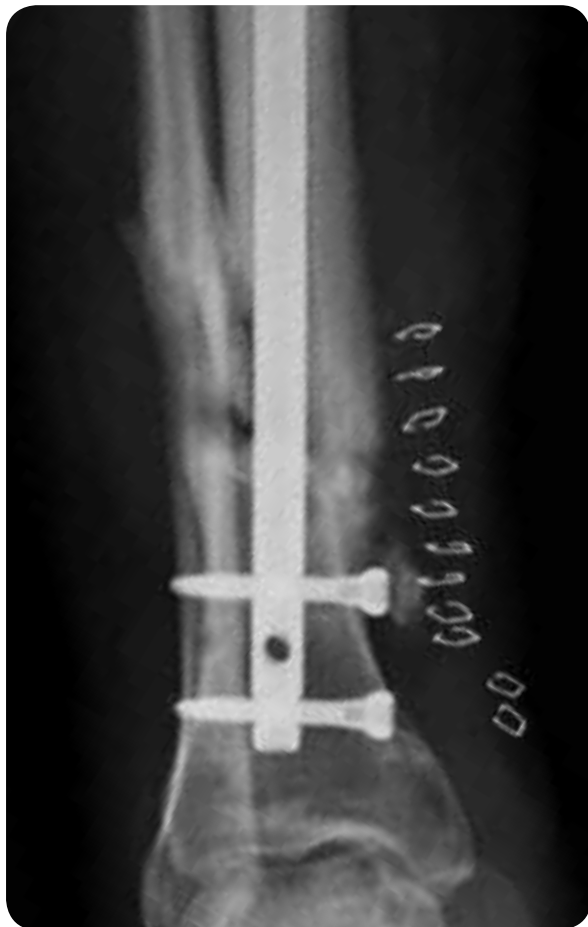


Pre-op X-ray



**Clinical outcome:** Bone healing was achieved in 6 months from implantation. The soft tissue healed well, with no clinical or laboratory signs of infection recurrence. Dynamization of the nail was performed 14 months post-op and the nail was removed 2 years post-op.

Immediate post-op X-ray



14-month post-op X-ray



2-year post-op X-ray

