

## Chronic osteomyelitis in the distal tibia

**Patient:** 36-year old male with a chronic osteomyelitis in the distal tibia. After surgical debridement the defect size was 100 cc.

**Operation:** The patient received a pilon fracture in a car crash and the fracture was stabilized with an anterior plate in the distal tibia. The patient was diagnosed with severe chronic osteomyelitis with extensive pus formation in the distal tibia. The anterior fixation plate was removed and the area was surgically cleaned through radical debridement. The defect was filled with 48 cc/2.0-3.15 mm (large) BonAlive® granules mixed with an equal amount of autologous bone.

**Clinical outcome:** The soft tissue healed well. Although a significant part of the anterior cortex of the distal tibia was removed, new cortical bone was formed. At 2.5 years post-op the fusion was stable and the patient outcome continued to be successful.

Immediate post-op X-ray



2.5-year post-op X-ray

