

## Case Illustration

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### Pathologic Distal Fibula Fracture

An 86-year-old patient sustained a pathological distal fibula fracture on the left side in the presence of prostate carcinoma. The patient was immobile and relied on a wheelchair for mobility. The fibula was treated by closed reduction by double osteosynthesis using intramedullary stabilization with an IlluminOss 9mm x 160mm implant and a 12-hole plate. Utilizing a small incision in a minimally invasive fashion, the distal fibula was repositioned and the IlluminOss catheter was inserted via the lateral malleolus, filled and expanded with monomer, and then cured with visible light. Post curing, the fibula was augmented with a 12-hole plate and screws for additional stabilization. Post operative X-rays showed proper alignment of the inserted osteosynthesis materials. Peripheral circulation, motor and sensory functions were intact. The patient was discharged after three days of hospitalization with a Vacoped Orthosis, and the patient was allowed to fully weight bear.



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US Indication: The IlluminOss Photodynamic Bone Stabilization System is indicated for use in skeletally mature patients in the treatment of traumatic, fragility, pathological, and impending pathological fractures of the humerus, radius, ulna, clavicle, pelvis, fibula, metacarpals, metatarsals, and phalanges. The IlluminOss Photodynamic Bone Stabilization System can also be used in conjunction with FDA-cleared fracture fixation systems to provide supplemental fixation in these anatomic sites. The IlluminOss System may be used in the femur and tibia to provide supplemental fixation to an anatomically appropriate FDA-cleared fracture fixation system.

EU Indication: The Photodynamic Bone Stabilization System is indicated for use in fracture alignment reduction. It provides stabilization for bone fractures using a minimally invasive technique in which the bone is not subjected to significant weight bearing forces. This IlluminOss procedure pack is intended for use in treatment of the metacarpal, phalange, clavicle, radius, ulna, distal radius, olecranon and fibula. It is also intended for use in treatment of acute fractures of the humerus, and impending and actual pathological fractures of the humerus from metastatic bone disease.

For more detailed procedural information including Warnings, Cautions, Risks & Contraindications, please see the respective IlluminOss Surgical Technique Guide, Package insert or visit [www.illumino.com](http://www.illumino.com)

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