

Case Illustration

IlluminOss Used in Conjunction with a Plate in the Treatment of a Humerus Nonunion



An 82-year-old female sustained a humerus fracture after a ground level fall and was seen by another physician who recommended closed treatment. Past medical history was significant for hypertension, high BMI, poor bone quality and lymph node dissection on the injured arm. Several months later, she presented with pseudoarthrosis and loss of mobility. The patient was treated operatively, reducing the pseudoarthrosis through open reduction. A small incision was made, an IlluminOss implant was inserted, filled with liquid monomer, and cured with visible light. Lag screws were then placed through the IlluminOss, and the distal fragments and a bypassing plate was placed over the humeral shaft. At 6 weeks post-op the patient reported no pain with good range of motion in her arm.

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.illuminoss.com