

Case Illustration

Tibial Plateau Fracture



A 62-year-old female presented with a classic bicondylar tibial plateau fracture with posteromedial comminution. The patient had poor body habitus and poor bone quality. The patient was initially treated with external fixation prior to definitive fixation. With the external fixator in place, anatomic alignment of the medial column was achieved percutaneously using a reduction clamp. The clamp was left in place while IlluminOss was inserted through a lateral incision, delivered via the intramedullary medial column, filled with liquid monomer, and cured using visible light. Attention was then focused laterally with fixation achieved using a plate and screw construct. Screws were placed throughout the IlluminOss implant to enhance the medial column support. Fixation of both columns was achieved percutaneously, with no medial incision required. Soft tissue disruption was minimal in this patient with a high potential for wound healing complications.

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.

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