

Mobility and independence regained

"Treatment with IlluminOss contributed to a faster return to baseline mobility for this 88-year-old patient with a Distal Radius fracture. She was able to resume use of her wrist one day post op."



~ Thomas Gausepohl, MD, PhD,
Klinikum Wetzlar, Germany

ILLUMINOSS® — Transforming Osteoporotic and Pathologic Fracture Repair

Advancing fracture fixation through
minimally invasive, conforming
intramedullary implants



ILLUMINOSS®

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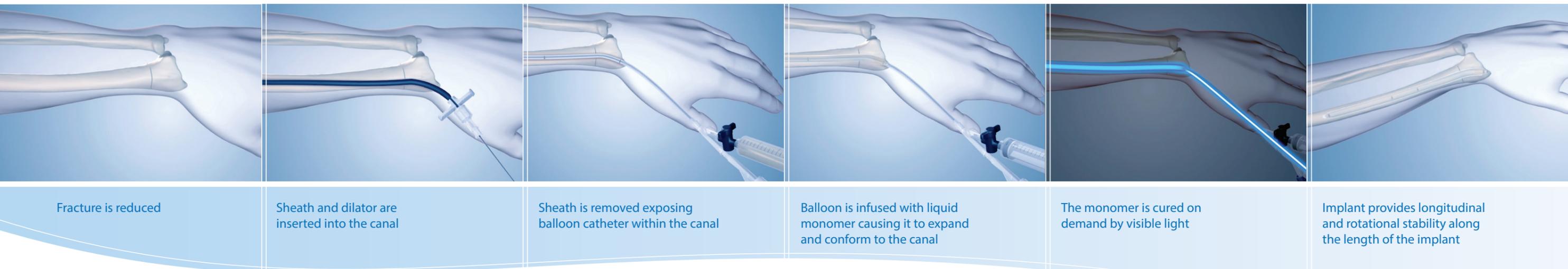
ILLUMINOSS®

A NEW TREATMENT PARADIGM for fracture repair

The IlluminOss[®] Solution delivers a completely new approach to fracture repair which may promote patients' return to mobility and activities of daily living.

IlluminOss addresses key challenges when treating fractures in poor quality bone by:

- Enabling a minimally invasive surgical approach.^{1,2} IlluminOss requires a small incision for access and implant insertion — minimizing potential soft tissue damage.
- Conforming to the intramedullary canal,^{1,3,4} the implant expands to fit the unique geometry of the patient's canal.
- Delivering rapid longitudinal and rotational stability at the fracture site and across the length of the implant.^{1,2,3,4}
- Accommodating the use of ancillary fixation devices along the length of the implant. IlluminOss supplements the use of conventional plates, screws and nails for enhanced stability in compromised bone.^{1,2,3,4}



¹ Heck S, Gick S, Rabiner R, Penning D, New Strategy in Geriatric Traumatology — First use of an intramedullary photodynamic polymer in the humerus. VSOU Baden-Baden (South German Orthopedic Congress). April 28-May 1, 2012.

² Vegt PA, Muir JM, Block JE. The Photodynamic Bone Stabilization System: a minimally invasive, percutaneous intramedullary polymeric osteosynthesis for simple and complex long bone fractures. Medical Devices: Evidence and Research. 2014; 7:453-461

³ Heck S, Gick S, Penning D, Intramedullary polymer implant with angular stability for minimally invasive repair of pathologic fractures. Meeting of the Associations of Surgeons — Cologne, Germany.

⁴ Heck S, Gick S, Penning D, Minimally invasive stabilization of upper limb pathological fractures with an intramedullary polymer. AAOS (American Academy of Orthopedic Surgeons). New Orleans, March 11-15, 2014

Indications for Use

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.