

# PRECICE®

ADJUSTABLE SOLUTIONS  
FOR ORTHOPEDICS

## A Revolutionary Treatment Option for Limb Length Discrepancy

The PRECICE® Intramedullary Limb Lengthening System is a novel adjustable state-of-the-art device that utilizes a remote control to non-invasively lengthen the femur or tibia. PRECICE is used to treat long bone abnormalities often the result of acute or chronic fractures.

### PRECICE Benefits:

- Customizable Lengthening Protocol
- Non-invasive Distraction Via External Remote Controller
- Patient Preferred Treatment Option<sup>1</sup>
- Novel Magnetic Technology
- Up to 80mm of Distraction
- Nail May Be Reversed



**ARC** Adjusted By Remote Control

<sup>1</sup> Herzenberg JH, Standard SC and Specht SC. Limb lengthening in children with a new, controllable internal device. European Paediatric Orthopaedic Society (EPOS); April 17-20, 2013; Athens, Greece.

## STATE-OF-THE-ART TECHNOLOGY

The key to the NuVasive® platform technology is the magnetic interaction between the PRECICE® intramedullary (IM) nail and remote control. The proprietary technology includes a complex internal gear system remotely activated and controlled by permanent magnets. This advancement in limb lengthening allows for a precision controlled distraction phase with the ability to non-invasively customize treatment.

## EXTERNAL REMOTE CONTROLLER (ERC)

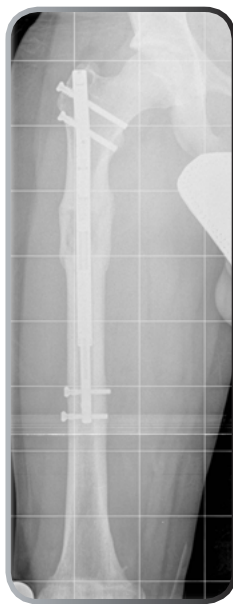
The ERC is a portable, hand held unit that precisely lengthens or shortens the IM nail through the touch of a button. The ERC is fully customizable to each patient based on their distraction needs. The ERC is designed to be used in a clinic setting or the comfort of the patient's home.



2-WEEK POST-OP



5-WEEK POST-OP



10-WEEK POST-OP



Magnet

Gear Box



ERC LENGTHENING



For more information about this product, please contact your local sales representative.

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Rx Only.  
The PRECICE Intramedullary Limb Lengthening (IMLL) System is composed of an implantable intramedullary nail, locking screws, reusable instruments, and a hand-held External Remote Controller (ERC). The PRECICE nail is a sterile single use device that is surgically implanted using the instruments and locking screws. The ERC is used daily after implantation to non-invasively lengthen or shorten the implant to a prescribed length. The PRECICE System is intended for limb lengthening of the femur and tibia. Contraindications include infection or pathologic conditions of bone such as osteopenia which would impair the ability to securely fix the device, metal allergies and sensitivities, patients whose distance from the surface of the treated limb to the intramedullary canal is greater than 51mm for the 10.7mm diameter implant or greater than 38mm for the 8.5mm diameter implant, patients with an irregular bone diameter that would prevent insertion of the PRECICE nail, patients in which the PRECICE nail would cross joint spaces or open epiphyseal growth plates, patients in which there is an obliterated medullary canal or other conditions that tend to retard healing such as blood supply limitations, peripheral vascular disease or evidence of inadequate vascularity, patients unwilling or incapable of following postoperative care instructions, patients weighing in excess of 114Kg for the 10.7mm diameter implant or weighing in excess of 57Kg for the 8.5mm diameter implant. The implantable device is only to be used by a trained licensed physician. Please refer to the PRECICE IMLL System instructions for use for complete Important Safety Information. This product, and the use thereof, may be covered by one or more of the following U.S. and/or international patents: US 7,955,357, US 7,981,025, US 8,057,472, US 8,197,490. Other U.S. and international patents pending.