



NEW—Healing tough fractures just got easier

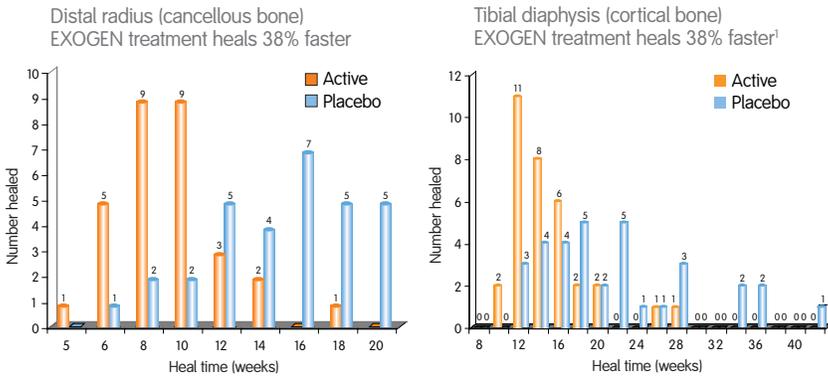
- Same patented ultrasound signal, same great clinical results
- Just one button
- Still only 20 minutes a day

Treatment of fractures with the EXOGEN EXPRESS Bone Healing System (low-intensity pulsed ultrasound) may speed healing, lower the need for further surgery, and give patients a faster return to their normal activities.

 **smith&nephew**
EXOGEN[®]
EXPRESS
Bone Healing System

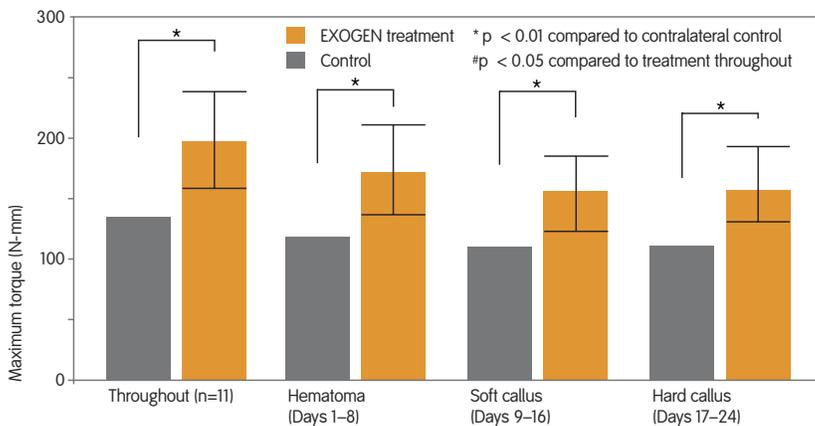
Heals certain* fresh fractures 38% faster^{1,2}

The EXOGEN® Bone Healing System is the only bone healing system approved to speed healing of indicated* fresh fractures. It has demonstrated in prospective, randomized, multi-center clinical studies the ability to heal fresh fractures and reduce delayed unions by 83%.



Ultrasound therapy accelerates healing at every stage

The mechanical signal of the EXOGEN Bone Healing System stimulates a range of cells, resulting in an acceleration of all stages of the natural bone healing process. Low-intensity pulsed ultrasound of the EXOGEN treatment upregulates a range of genes and growth factors critical to the bone healing process, including BMP-7, Alkaline Phosphatase and VEGF.



Maximum torsional torque of the EXOGEN-treated femurs was significantly greater than the placebo controls at each phase of fracture healing.³

References

- Heckman JD, Ryaby JP, McCabe J, Frey JJ, Kilcoyne RF. Acceleration of tibial fracture-healing by non-invasive, low-intensity pulsed ultrasound. *J Bone Joint Surg Am.* 1994 Jan;76(1):26-34.
- Kristiansen TK, Ryaby JP, McCabe J, Frey JJ, Roe LR. Accelerated healing of distal radial fractures with the use of specific, low-intensity ultrasound. *J Bone Joint Surg Am.* 1997 Jul;79(7):961-973.
- Azuma Y, Ito M, Harada Y, Takagi H, Ohta T, Jingushi S. Low-intensity pulsed ultrasound accelerates rat femoral fracture healing by acting on the various cellular reactions in the fracture callus. *J Bone Miner Res.* 2001 Apr;16(4):671-680.
- Nolte PA, van der Krans A, Patka P, Janssen IM, Ryaby JP, Albers GH. Low-intensity pulsed ultrasound in the treatment of nonunions. *J Trauma.* 2001 Oct;51(4):693-703.

Heals 86% of non-union fractures⁴

Proven safe and effective:

- Treatment of established non-unions on all bones, excluding skull and vertebrae.
- On fractures treated with surgical fixation.
- In healing patients with certain comorbidities.

Patient-friendly design encourages compliance, drives great results

- The EXOGEN EXPRESS device is portable, lightweight and easy to use.
- Treatment takes just 20 minutes a day.
- The device features one-button control, a large display screen and clear, audible signals.



* Summary of Indications for Use: The EXOGEN EXPRESS, or any other EXOGEN Bone Healing System, is indicated for the non-invasive treatment of established non-unions[†] excluding skull and vertebra. In addition, they are indicated for accelerating the time to a healed fracture for fresh, closed, posteriorly displaced distal radius fractures and fresh, closed or Grade I open tibial diaphysis fractures in skeletally mature individuals when these fractures are orthopaedically managed by closed reduction and cast immobilization.

Contraindications: There are no known contraindications for the EXOGEN device. Warnings and precautions pertaining to the treatment of either condition may be found at www.exogen.com or by calling 1-800-836-4080.

[†] A non-union is considered to be established when the fracture site shows no visibly progressive signs of healing. Rx only.

Orthopaedic Trauma & Clinical Therapies

Smith & Nephew, Inc. 1450 Brooks Road, Memphis, TN 38116 USA
Telephone: 1-901-396-2121, Information: 1-800-821-5700, Orders and Inquiries: 1-800-238-7538

www.smith-nephew.com

©Trademark of Smith & Nephew. Certain marks Registered US Patent and Trademark Office.

©2006 Smith & Nephew, Inc.
Printed in USA
50200519 7198-1265 12/06