

38%  
faster healing  
of fresh fractures<sup>1,2</sup>

86%  
non-union heal rate<sup>3</sup>



91%  
treatment compliance<sup>4</sup>

20  
minutes per day

#### Summary of Indications for Use

EXOGEN is indicated for the non-invasive treatment of osseous defects (excluding vertebra and skull) that includes the treatment of delayed unions, non-unions<sup>†</sup>, stress fractures and joint fusion. EXOGEN is also indicated for the acceleration of fresh fracture heal time, repair following osteotomy, repair in bone transport procedures and repair in distraction osteogenesis procedures.

<sup>†</sup> A non-union is considered to be established when the fracture site shows no visibly progressive signs of healing.

There are no known contraindications for the EXOGEN device. Safety and effectiveness have not been established for individuals lacking skeletal maturity, pregnant or nursing women, patients with cardiac pacemakers, on fractures due to bone cancer, or on patients with poor blood circulation or clotting problems. Some patients may be sensitive to the ultrasound gel.

Full prescribing information can be found in product labeling, or at [www.exogen.com](http://www.exogen.com).

#### References

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3. Nolte PE, Krans A, Patka P, Janssen IMC, Ryaby JP, Albers R. Low-intensity pulsed ultrasound in the treatment of nonunions. *J Trauma.* 2001; 51: 693-703.
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5. 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;16(4):671-680.
6. Lerner A, Stein H, Soudry M. Compound high-energy limb fractures with delayed union: our experience with adjuvant ultrasound stimulation (EXOGEN). *Ultrasonics.* 2004;42(1):915-917.

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High treatment compliance<sup>4</sup>  
Proven effectiveness.<sup>1-3</sup>

exogen<sup>®</sup>  
ultrasound bone healing system



# Treatment Compliance Support Tools

EXOGEN's full suite of support tools helps patients use their device consistently and as prescribed.

## Treatment Tracking Calendar

EXOGEN's built-in treatment tracking calendar displays completed and missed treatments making compliance convenient for patients and verifiable for physicians.

## 20-Minute Treatment

With treatments lasting just 20 minutes, EXOGEN fits easily into the patient's daily routine.

## Treatment Reminders

Patients can download EXOGEN CONNECTS App, to receive daily automated treatment reminders and healing information.



Completed treatment

Missed treatment

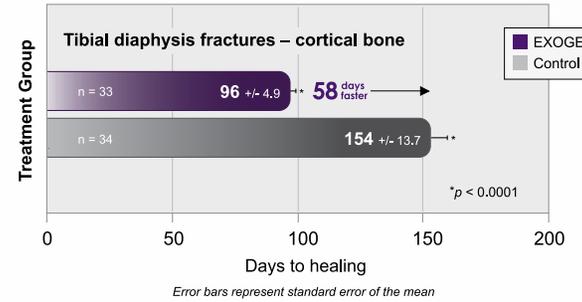
Compliance rate to date

Actual size

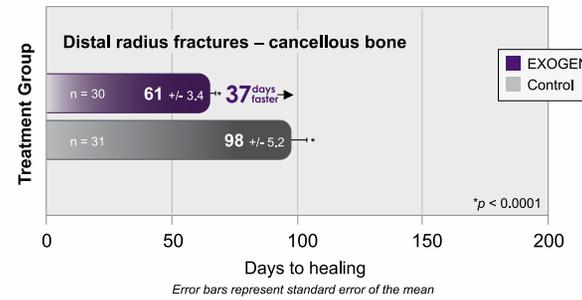
# Clinical Support for EXOGEN Treatment

EXOGEN's ultrasound waves stimulate the body's natural bone healing process.<sup>5</sup>

## 38% Acceleration in Healing<sup>1,2</sup>



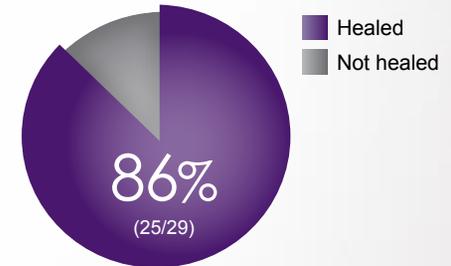
In a prospective, randomised, double-blind, placebo-controlled (level-I) study of 67 tibial fractures, EXOGEN treatment accelerated healing by 38%<sup>1</sup> – a difference of more than 8 weeks.



A separate level-I trial of 61 distal radius fractures also reported a 38% acceleration of healing, as well as significantly greater fracture alignment.<sup>2</sup>

## 86% Non-union Heal Rate<sup>3</sup>

A level-II study showed a heal-rate of 86% when using EXOGEN.<sup>3</sup>



## 89% Heal Rate on High-energy Fractures<sup>6</sup>

16 out of 18 high-energy fractures united with EXOGEN within 13-52 weeks.

