

# exogen<sup>®</sup>

ultrasound bone healing system

## Safe, painless, easy fracture healing

**#1** BONE HEALING DEVICE PRESCRIBED  
FOR FRACTURE STIMULATION<sup>1</sup>

- Helping promote faster bone healing in **just 20 minutes a day**<sup>2</sup>
- NICE recommended<sup>3</sup>
- More than **25 years** of proven results



## THE HEALING ADVANTAGE

# exogen<sup>®</sup>

ultrasound bone healing system

## Let's get your fracture healed!

Scan to learn how  
EXOGEN works. →



Some fractures can be difficult to heal. EXOGEN uses safe, painless, low-intensity ultrasound waves to amplify your body's natural bone repair processes.\*<sup>2,4</sup>

Exclusively recommended by NICE, EXOGEN has been prescribed for over **25 years** to help more than a million patients worldwide.<sup>3,5</sup>



## EXOGEN is:

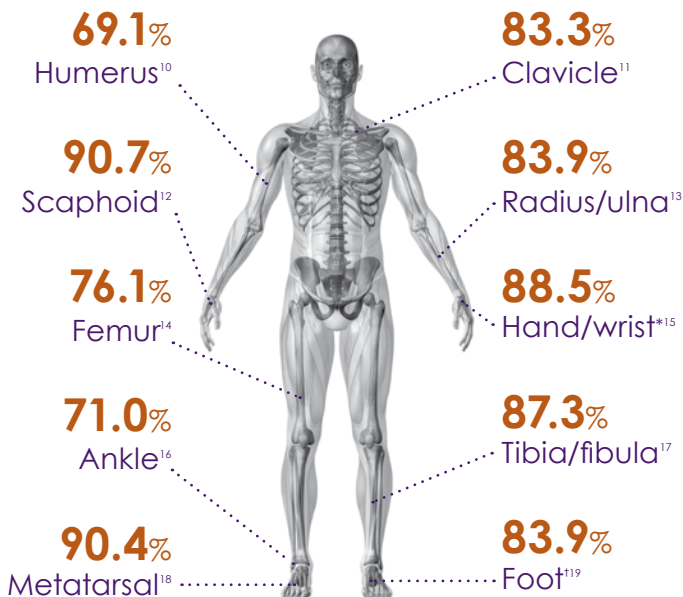
- **Easy to use**—The user-friendly, single-button operated device that times your treatment for you.
- **Convenient**—Each daily treatment takes just **20 minutes**.
- **Encouraging**—A built-in treatment tracking calendar will help you stay motivated to reach your treatment goals.
- **Effective**—Clinical studies show that EXOGEN:
  - Heals up to 86% of nonunion fractures.<sup>6,7</sup>
  - Speeds up healing of indicated fresh fractures by 38%.<sup>†8,9</sup>

\*The clinical relevance of in vivo findings is unknown.

†See the Summary of Indications for Use.

# Heal rate of common nonunion fractures treated with **EXOGEN**

In many cases, EXOGEN may prevent the need for further surgery.<sup>6,10-19</sup>



Heal rates based on fracture age of 181-365 days.

\*Excludes scaphoid.

†Excludes metatarsals.

With **EXOGEN** at your side, you'll have:

- Comprehensive customer support
- The **EXOGEN CONNECTS** app, with resources for you throughout your healing journey
- **EXOGEN.com**, with helpful information available to you 24/7

• @ExogenBoneHealing on



# Frequently Asked Questions

## Does EXOGEN really help heal fractures?

Clinical studies for indicated uses demonstrated exceptional performance by EXOGEN:\*

- Healed up to 86% of prolonged fractures not healing on their own (nonunion fractures)<sup>6,7</sup>
- Sped up healing rate of fresh fractures by as much as 38%<sup>\*8,9</sup>

## What should I expect before I have my EXOGEN fitted?

Before fitting, your treating physician will mark the EXOGEN transducer placement site. Transducer placement is very important in achieving the optimal fracture healing results; therefore it's suggested to reconfirm it with your physician at every follow-up visit.

## What should I expect once I have my EXOGEN fitted?

A standard treatment with EXOGEN is 20 minutes duration, once per day. It is important to stay consistent with your treatments. Using EXOGEN about the same time each day may help to minimise missed treatments and maintain high compliance rates.

## How will I know if the EXOGEN unit is working?

Your device is working properly when you see the display screen counting down from **20 minutes** during treatment. The device will not make a sound or vibration during treatment.

## What if I miss a treatment?

Try to get back on schedule as soon as possible and continue to perform one 20 minute treatment per day. Monitor your compliance using the treatment tracking log and if you continue to miss treatments consider whether you need to identify a more convenient time.

## Where can I get help with other questions?

Please contact the Bioventus Customer Care team at 0800 05 16 384 (UK toll free), 0800 02 04 06 08 (IR toll free), or [CC@BioventusGlobal.com](mailto:CC@BioventusGlobal.com).



**Scan the QR code** to see patient success stories at [EXOGEN.com/testimonial](https://www.exogen.com/testimonial).

\*See the Summary of Indications for Use.

## To learn more:

- Ask your doctor for more information about EXOGEN.
- Visit **EXOGEN.com**.
- Contact Bioventus Customer Care:

UK **0800 05 16 384** (toll free)

IR **00800 02 04 06 08** (toll free)

**CC@BioventusGlobal.com**

**References:** 1. iData Research. Orthopedic Trauma Devices Market Size, Share & COVID-19 Impact Analysis. United States, 2019-2025. Posted 2019. Accessed July 29, 2021. Subscription-based website. <https://idataresearch.com/product/trauma-devices-market-united-states/> 2. Bioventus LLC. EXOGEN<sup>®</sup> User Guide. Last updated 2020. [exogen.com/wp-content/uploads/2021/10/81087030-US-2020-User-Guide.pdf](https://www.exogen.com/wp-content/uploads/2021/10/81087030-US-2020-User-Guide.pdf) 3. National Institute for Health and Care Excellence. EXOGEN ultrasound bone healing system for long bone fractures with non-union or delayed healing. *Medical technologies guidance* [MTG 12]. Last updated 08 October 2019. [www.nice.org.uk/guidance/mtg12/evidence](http://www.nice.org.uk/guidance/mtg12/evidence) 4. 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):671-80. doi:10.1359/jbmr.2001.16.4.671. 5. Bioventus LLC. Data on File, RPT-001321. 6. 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;51(4):693-703. doi:10.1097/00005373-200110000-00012 7. Zura R, Della Rocca GJ, Mehta S, et al. Treatment of chronic (>1 year) fracture nonunion: heal rate in a cohort of 767 patients treated with low-intensity pulsed ultrasound (LIPUS). *Injury*. 2015;46(10):2036-41. doi:10.1016/j.injury.2015.05.042 8. 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;76(1):26-34. doi:10.2106/00004623-199401000-00004 9. Kristiansen TK, Ryaby JP, McCabe J, Frey JJ, Roe LR. Accelerated healing of distal radial fractures with the use of specific, low-intensity ultrasound. A multicenter, prospective, randomized, double-blind, placebo-controlled study. *J Bone Joint Surg Am*. 1997;79(7):961-73. doi:10.2106/00004623-199707000-00002 10. Bioventus LLC. Humerus nonunion claims based on EXOGEN Registry. Data on file, RPT-000396. 11. Bioventus LLC. Clavicle nonunion claims based on EXOGEN Registry. Data on file, RPT-000409. 12. Bioventus LLC. Scaphoid nonunion claims based on EXOGEN Registry. Data on file, RPT-000398. 13. Bioventus LLC. Radius/ulna nonunion claims based on EXOGEN Registry. Data on file, RPT-000410. 14. Bioventus LLC. Femur nonunion claims based on EXOGEN Registry. Data on file, RPT-000395. 15. Bioventus LLC. Hand/wrist nonunion claims based on EXOGEN Registry. Data on file, RPT-000411. 16. Bioventus LLC. Ankle nonunion claims based on EXOGEN Registry. Data on file, RPT-000408. 17. Bioventus LLC. Tibia nonunion claims based on EXOGEN Registry. Data on file, RPT-000391. 18. Bioventus LLC. Metatarsal nonunion claims based on EXOGEN Registry. Data on file, RPT-000389. 19. Bioventus LLC. Foot nonunion claims based on EXOGEN Registry. Data on file, RPT-000412.

**Indications for Use:** EXOGEN Ultrasound Bone Healing System is indicated for the non-invasive treatment of osseous defects (excluding vertebra and skull) that includes:

- Treatment of delayed unions and nonunions\*
- Accelerating repair in bone transport procedures
- Accelerating the time to heal of fresh fractures
- Accelerating repair in distraction osteogenesis procedures
- Treatment of stress fractures
- Treatment of joint fusion
- Accelerating repair following osteotomy

\*A nonunion 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 EXOGEN.com.