

exogen<sup>®</sup>

ultrasound bone healing system

## PERFORMANCE PROGRAMME

BONE HEALING.

# PROVEN.

1-3



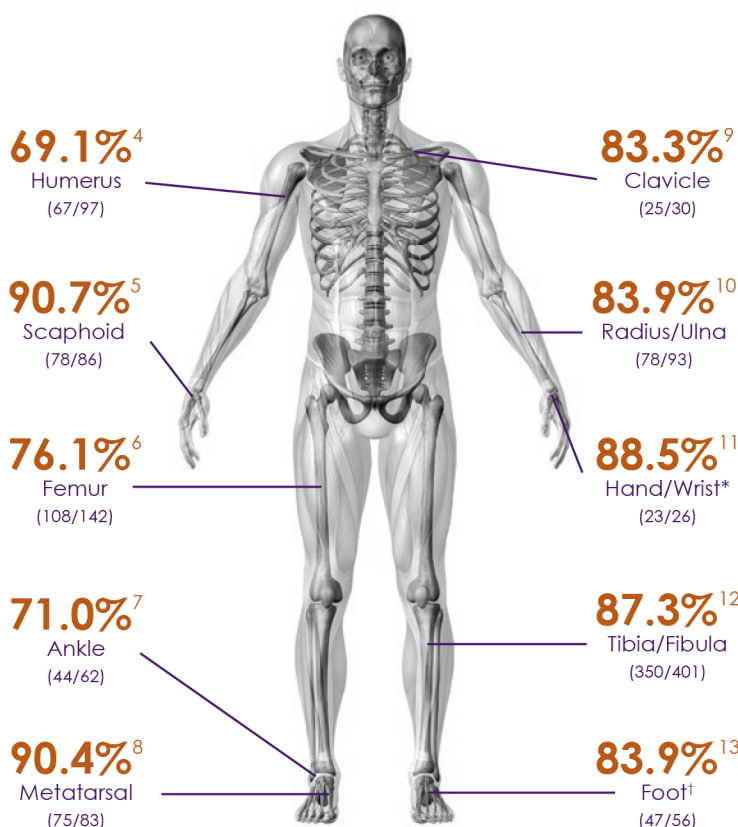
Money back if progression  
of healing does not occur.



Discover the noninvasive choice  
for resolution of nonunions.

Don't believe **EXOGEN** works?  
**Try it.**

We put our money  
behind its efficacy.



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

\*Excludes scaphoid  
†Excludes metatarsals

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

# EXOGEN PERFORMANCE PROGRAMME

## Confidence in delayed union and nonunion treatment

The EXOGEN Performance Programme guarantees that radiographic healing progression will be shown when used for the treatment of eligible fractures. If the requirements of the programme are met and no healing progression is shown after 120 days, purchase cost of EXOGEN will be refunded to the buyer.

## Real-world evidence generation and audit support

Bioventus supports outcome reviews of patients treated with EXOGEN. Each hospital participating in the program will receive an annual review of all available clinical outcomes, coupled with cost-savings, to understand where EXOGEN is most effective for patients and for the bottom line.

## Peace of mind for you and your patients

Treatment costs for nonunion fractures can be high. The EXOGEN Performance Programme gives you the confidence in prescribing an effective treatment as an alternative to surgery.

## Easy-to-use treatment for your patients

The easy-to-use design, treatment tracking calendar, and short daily treatment time promote patient compliance and make EXOGEN an ideal treatment option.<sup>14</sup>

## Easy-to-claim

Simple, streamlined claim process and additional administrative support from Bioventus.\*

**The only ultrasound bone healing  
system recommended by the  
National Institute for Health and  
Care Excellence (NICE)<sup>16</sup>**



## Criteria

EXOGEN device must be prescribed by a qualified physician to treat a stable, well-aligned fracture with a fracture gap less than 10 mm (excluding vertebra and skull fractures).

Patients must treat their fracture with EXOGEN per product instructions, for a minimum of 120 consecutive days and achieve a 90% minimum level of adherence.

The EXOGEN Performance Programme Registration form must be completed by both patient and physician and submitted to Bioventus within 30 days of the start of patient treatment with EXOGEN.

## Evaluation

The prescribing physician will compare X-rays taken prior to treatment and at least 120 days later to determine if progression to bony union has occurred. The used device must be returned to Bioventus to confirm that the 90% patient compliance requirement has been met.

## Exclusions

- Fracture types:
  - Unstable
  - Malaligned fracture
  - Vertebra and skull
  - More than 10 mm fracture gap
  - Pathological
- Treatment of multiple fracture locations (the guarantee is only valid to treat a defined fracture)
- Modified and/or altered devices
- Alternative interventions occurred during the 120-day treatment period
- EXOGEN devices that were not purchased and received directly from Bioventus
- Customers who did not register to the EXOGEN Performance Program within the first 30 days of the initial treatment
- Patients for whom EXOGEN was not prescribed
- Costs other than the purchaser's payment to Bioventus for EXOGEN device
- Valid only in the United Kingdom and Ireland
- Valid only for EXOGEN 250 treatment devices

## Claims

Hospitals may contact their local representative or Customer Care at 0800 05 16 384 (UK) / 00800 02 04 06 08 (IR) for assistance. All claims must be accompanied by the following:

1. Completed registration form (to be completed at time of initial patient fitting)
2. Completed Physician Evaluation Form confirming lack of healing progression
3. Prescribed EXOGEN device returned to Bioventus

## Performance you can count on in just **20 minutes** a day.

EXOGEN ultrasound bone healing system is a noninvasive device that uses low-intensity pulsed ultrasound to accelerate the time to healing of certain fresh fractures and for the treatment of established nonunions.<sup>15</sup>

### EXOGEN...

- is effective for challenging, established nonunions - 86% heal rate<sup>1</sup>
- helps promote healing in patients who smoke - up to 51% faster<sup>17</sup>
- accelerates healing of indicated fresh fractures - 38% faster<sup>2,3</sup>



For more information,  
scan the QR code to visit **EXOGEN.com**

To find a sales representative in your area, contact  
Customer Service at **0800 05 16 384 (UK) / 00800 02 04 06 08 (IR)**

**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, nonunions,\* 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.

\*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](http://EXOGEN.com)

**References:** 1. 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 2. 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 3. 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 4. Bioventus LLC. Humerus nonunion claims based on EXOGEN Registry. Data on file, RPT-000396. 5. Bioventus LLC. Scaphoid nonunion claims based on EXOGEN Registry. Data on file, RPT-000398. 6. Bioventus LLC. Femur nonunion claims based on EXOGEN Registry. Data on file, RPT-000395. 7. Bioventus LLC. Ankle nonunion claims based on EXOGEN Registry. Data on file, RPT-000408. 8. Bioventus LLC. Metatarsal nonunion claims based on EXOGEN Registry. Data on file, RPT-000389. 9. Bioventus LLC. Clavicle nonunion claims based on EXOGEN Registry. Data on file, RPT-000409. 10. Bioventus LLC. Radius/ulna nonunion claims based on EXOGEN Registry. Data on file, RPT-000410. 11. Bioventus LLC. Hand/wrist nonunion claims based on EXOGEN Registry. Data on file, RPT-000411. 12. Bioventus LLC. Tibia nonunion claims based on EXOGEN Registry. Data on file, RPT-000391. 13. Bioventus LLC. Foot nonunion claims based on EXOGEN Registry. Data on file, RPT-000412. 14. Pounder NM, Jones JT, Tanis KJ. Design evolution enhances patient compliance for low-intensity pulsed ultrasound device usage. *Med Devices(Auckl)*. 2016;9:423-7. doi:10.2147/MDER.S119887 15. EXOGEN Ultrasound Bone Healing System [package insert]. Durham, NC: Bioventus LLC; 2012. 16. 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 [MTG12]. Last updated 8 October 2019. [www.nice.org.uk/guidance/mtg12](http://www.nice.org.uk/guidance/mtg12). 17. Cook SD, Ryaby JP, McCabe J, Frey JJ, Heckman JD, Kristiansen TK. Acceleration of tibia and distal radius fracture healing in patients who smoke. *Clin Orthop Relat Res*. 1997;(337):198-207. doi:10.1097/00003086-199704000-00022