

Osteotron IV – Just 20 Minutes can improve bone healing.

The use of the ultrasound device accelerates bone fracture healing, speeds the return to normal activity, and reduces the possible long-term complication of a delayed union.⁷



Osteotron IV
Ultrasound Bone Growth Stimulator

You Don't Have To Buy A Osteotron IV. You Rent It.

Many personal and group health insurance plans will cover the Osteotron IV with a prescription from your doctor. However, if the device is not covered under your plan, or you don't have insurance, you can rent the Osteotron IV privately.

Ask your doctor if you are a good candidate for the Osteotron IV.

If you have any questions, please contact
Verve Consulting Inc.

Tel: (905) 713-3730.



References: 1. Einhorn TA. Enhancement of fracture-healing. *JBJS Am.* 1995; 940-956. 2. Watanabe Y, Matsushita T, Bhandari M, Schemitsch EH. Ultrasound for Fracture Healing: Current Evidence. *J Orthop Trauma.* 2010 April 24; 3 Supplement:56-61. 3. Heckman JD, Ryaby JP, McCabe J, et al. Acceleration of tibial fracture healing by non-invasive, low-intensity pulsed ultrasound. *JBJS Am.* 1994;76:26-34. 4. Kristiansen TK, Ryaby JP, McCabe J, et al. Accelerated healing of distal radial fractures with the use of specific, low-intensity pulsed ultrasound. *JBJS* 1997;79:961-973. 5. Mayr E, Rudzki MM, et al. Does low intensity pulsed ultrasound speed healing of scaphoid fractures? *Handchir Mikrochir Plast Chir* 2000;32:115-122. 6. Mayr E, Frankel V, Ruter A, Ultrasound-an alternative healing method for nonunions? *Arch Orthop Trauma Surg.* 2000;120:1-8. 7. 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 Apr;(337):198-207. 8. Nolte PA, van der Krans A, Patka P, Janssen IM, Ryaby JP, Albers GH. Low intensity pulsed ultrasound in the treatment of non-unions. *J Trauma.* 2001 Oct;51 (4):693-702; discussion 702-3.



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OSTEOTRON IV

LIPUS Bone Growth Stimulator

Gets You Back Into Life.



Some fractures can be difficult to heal. Just 20 minutes a day with the Osteotron IV can help.

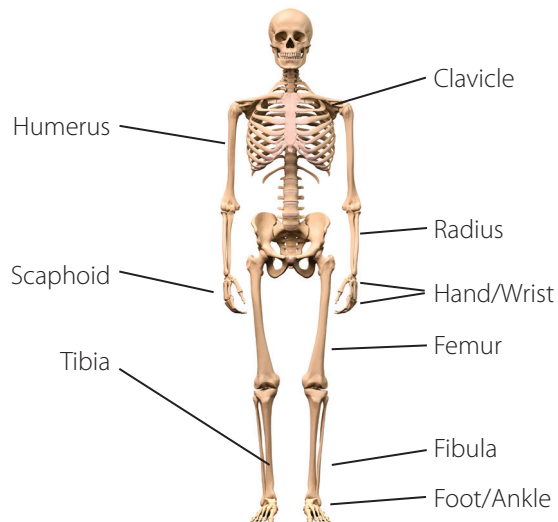
Some broken bones are just harder to heal than others.

Up to 10% of fractures may show delayed healing– and some may not heal at all (a process called non-union).¹

Difficulty in bone healing may be due risk factors such as:²

- Diabetes
- Smoking
- Osteoporosis
- Older age
- Anemia
- Distal fracture location
- Fracture gap
- Comminuted fracture (many pieces)

Common fracture sites



Osteotron IV is the next wave in bone healing – Low Intensity Pulsed UltraSound (LIPUS).

In only 20 minutes, you can painlessly stimulate bone regrowth at the fracture site with the Osteotron IV, a Low Intensity Pulsed Ultrasound (LIPUS) device.

LIPUS is a relatively new tool for accelerating fracture healing of fresh fractures and non-unions.²

Clinical studies have proven:

- LIPUS speeds the return to normal activity⁷
- The time to healing was significantly shorter for certain fractures treated by ultrasound³⁻⁵
- LIPUS has a 90% overall success rate for healing a delayed union⁶
- Substantially reduces the delayed healing effects of a secondary factors like smoking⁷
- The effectiveness of non-invasive LIPUS can have heal rates similar to those of surgery without the associated risks and complications – future surgery could be avoided^{2,8}

Using LIPUS for fresh fractures showed significant improvements in time to clinical healing. LIPUS is also useful in the treatment of challenging, established nonunions.^{3,8}

Osteotron IV. How it works.

LIPUS is a noninvasive ultrasound technology that is worn directly against the skin, which sends ultrasound pulses through the tissue to stimulate bone to heal.



- Easy to use²
- Just 20 minutes per day improves bone healing¹

