

THE HEALING ADVANTAGE

FOR LOWER EXTREMITY FRACTURE NON-UNIONS



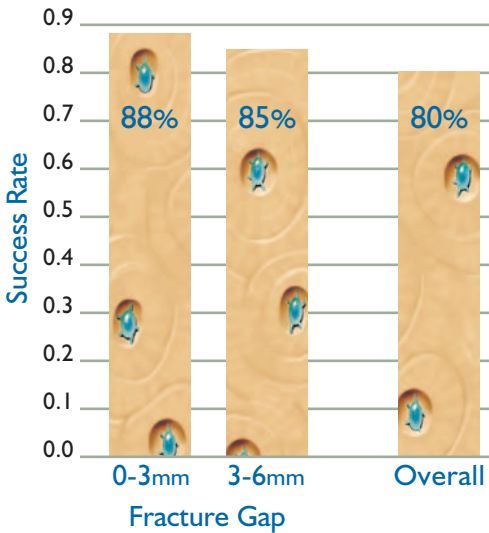
PHYSIO-STIM®
Bone Growth Stimulators





Success Rates

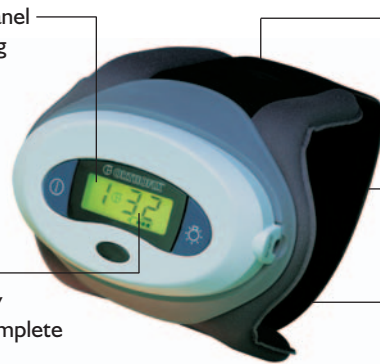
181 patients with 193 fractures in a PMA study which included non-unions of the ulna, humerus, femur, fibula, radius, metatarsal, scaphoid, tibia, ankle, and joint fusions. The average nonunion duration in the study was 2.6 years.¹



Instant Information Panel with LEDs for ongoing operational status

New design provides more flexibility and comfort

LCD treatment countdown - clock shuts off automatically when treatment is complete



Self contained unit allows unrestricted patient mobility. No separate cables, control units or battery packs

Adjustable strap for comfortable fit

Worn over a cast, brace or clothing



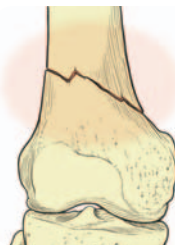
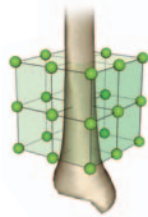
Smart technology can provide outcomes analysis and hardcopy patient compliance monitoring

LOWER EXTREMITY APPLICATIONS



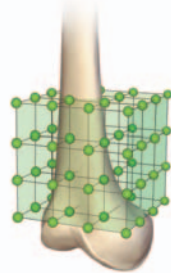
Model: 3202 and 3303 Primary Treatment Sites: Distal Tibia and Fibula, Tarsals, Metatarsals and Casted Applications

- Approximately two thirds of Jones fractures result in delayed union or nonunion.
- The presence of systemic disease, such as diabetes, peripheral vascular disease, metabolic bone disease or obesity may complicate the treatment of ankle injuries.
- Increased joint stress from a nonunion or malunion may also contribute to the development of a osteoarthritic joint.



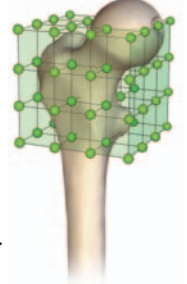
Model: 3313 Primary Treatment Sites: Distal Femur, Tibia and Casted Applications

- The most severe tibia problem is infected nonunion.
- Electrical stimulation presents an interesting alternative to surgery and bone grafting in tibial nonunions.
- Intermedullary blood supply is destroyed by nailing.
- Fractures that are severely displaced, have open wounds or skin loss, and are severely comminuted are more likely to go on to nonunion... Segmented fractures... have a poor prognosis.



Model: 3315 Primary Treatment Sites: Femoral Head and Neck, Greater and Lesser Trochanters

- Nonunion is reported to be rare after nondisplaced (femoral neck) fractures, but occurs in 20% to 30% of displaced fractures.
- The two main problems noted in treating subtrochanteric fractures have been malunion and delayed union or nonunion.
- A projected increase in the elderly segment of the populations suggests that the number of hip fractures may double within the next 20 years.



Except where indicated, all data taken from *Fractures In Adults*, Rockwood, Charles, M.D. and Green, David P., M.D., Second Edition, 1984 and Rockwood, Green and Buholtz, Robert, M.D., Third Edition, 1991

¹ "Long Term Follow-Up of Fracture Non-Unions Treated with PEMF's" Douglas E. Garland, M.D., Barbara Moses, M.B.A., B.S.N., R.N., William Salyer, M.D.

² <http://www.eatonhand.com/hw/hw021.htm>

³ Musculoskeletal Trauma Series, Humerus, E. L. Flatow, C. Ulrich, 1997

The effective treatment area within the body generated by the Physio-Stim magnetic field.

Measurement points

ORTHOFIX
ALWAYS INNOVATING

For full prescribing information, see Physician Manual, or contact Orthofix Inc. at 1.800.535.4492