



CASE STUDY

Case Report:

Using Physio-Stim on a High-Risk Patient with a Displaced Fifth Metatarsal Base Fracture



Models:



3202



3303



3313



3314



3315



Adult & Pediatric Deformity Correction | Foot & Ankle | Bone Growth Stimulation | Fixation | Biologics

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Patient History

The patient, a 66-year-old female sustained a foot injury after falling in November 2008. She immediately went to an urgent care center and had x-rays taken of her foot. After review, the patient was referred to an orthopedic specialist who instructed her to wear a post-op shoe for one week (while weight bearing), then return to wearing her regular shoes. She followed up with her primary care physician after three months and still experienced quite a bit of pain. At that time, she was referred to a Podiatrist for consultation.

Procedure

In February 2009, the patient presented with a displaced fifth metatarsal base fracture with a gap of greater than 6mm. She could not undergo surgery due to existing cardiac issues, limiting the options available for treatment. After consultation, she was prescribed the Orthofix Bone Growth Stimulator. The patient began using it three hours per day and was weight bearing in a cam walker. Within the first few weeks using the Physio-Stim, she noticed significant pain reduction. In July 2009, x-rays showed completed healing of the fracture. She returned to regular shoe gear and daily activity with no limitations.

Conclusion

With limited options for this patient, the Physio-Stim was a tremendous success in avoiding surgery and healing the patient's fracture. The patient and doctor are very happy with the results of the Orthofix bone growth stimulator.

Doctor's Comments

By the time the patient was sent to me, she was already status post three months with a fifth metatarsal base fracture with a >6mm gap. She had been directed to walk on it since the date of injury by another physician. She was not a surgical candidate due to a pre-existing cardiac condition. The Physio-Stim was the perfect choice. The science and research behind the product was convincing using PEMF technology. It was easy for the patient to stay compliant with the treatment protocol. She healed in about five months, and we were both overjoyed with the result.



Surgeon Information

Dr. Rebecca S. Rogoff is in private practice in Southern California. She graduated from UCLA and California College of Podiatric Medicine. She is a former Residency Director and published author.



11-30-2008



2-06-2009



4-22-2009



7-01-2009