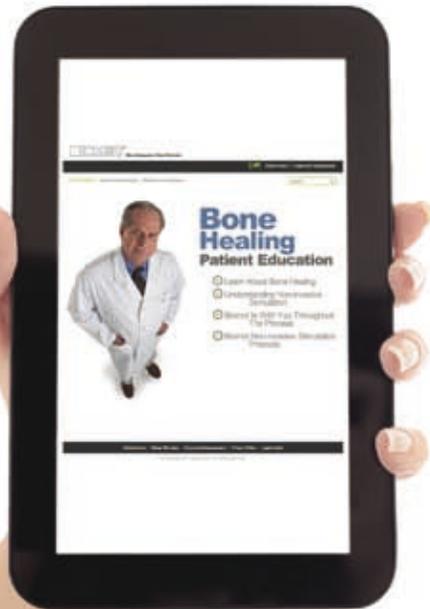


Learn About Bone Healing Online

Learning more about bone healing and the available treatment options is an important step to making better informed decisions concerning your healthcare and your quality of life.

To learn more about Biomet non-invasive stimulation products or bone healing, visit www.learnaboutbonehealing.com.



Educated Decisions

The information contained in this brochure is for educational purposes only. Biomet does not dispense medical advice. Only you and your physician can decide the proper course of treatment and only your physician can make the proper medical judgment required to determine which products and procedures would be most suitable for your condition.

It is our goal to help physicians achieve successful outcomes, one patient at a time. We firmly believe that patients who are well informed are able to more accurately identify the symptoms they are suffering, better understand the conditions they are afflicted with, and work closely with their physicians in order to fully comprehend, and decide upon, a course of treatment.

Learn More Online

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A Patient's Guide to Understanding:

- *The Bone Healing Process*
- *Non-invasive Stimulation*



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BONE HEALING
Powered by **EBI** Technology

The Bone Healing Process

Your doctor may have recently informed you that you have a “fracture nonunion.” This simply means that you have a fractured bone that hasn’t demonstrated visible signs of healing. Don’t worry - you’re not alone. Your bone needs a little extra help to assist in its healing.

When a bone heals normally, it must complete the following steps:

Step 1: Immediately after a fracture, a soft layer of new tissue automatically forms around the fracture.

Step 2: During the next few weeks, that soft layer of new tissue changes into a bridge of tough callous. Callous refers to a fibrous, osseous (bone like) material.

Step 3: For the next month or so, the tough callous continues to harden and helps the fractured bone join together.

Step 4: In time, both the tough callous and the fractured bone turn into normal bone. The hard callous is often felt as a swelling in the region of the fracture. The swelling will usually decrease over many months.

Types of Non-invasive Stimulation

Normal Bone Healing vs. Nonunions

With nonunions, the bone completes normal healing through Steps 1 and 2. However, before Step 3, the natural healing process is interrupted. Unlike the normal bone healing process, the callous does not harden and the fractured bone does not completely heal. This can occur for many different reasons (excess motion, poor blood supply, etc.) and your orthopedic physician can review all of the possibilities.

Non-invasive Stimulation

Inside your body are naturally occurring electrical impulses that help heal bone fractures. However, when you experience a fracture, those impulses may not function properly and your surgeon may make a diagnosis of fracture nonunion. Non-invasive electrical stimulation assists in healing the fracture nonunion by sending low level electrical impulses directly to the bone that mimics your body’s natural healing process. This treatment promotes healing by inducing low level electrical signals at the fracture nonunion site.

Questions To Ask Your Doctor

If your doctor prescribes a Biomet non-invasive stimulation device, it is normal to have many questions. Below are some of the questions you may want to discuss with your doctor.

How long must I use my stimulator?

How many hours per day do I need to wear the stimulator?

When will I be able to resume normal activities?

Which non-invasive bone healing system fits my bone healing needs?

