



Electrode Placement Guide



Biomet® OrthoPak®

Non-invasive Bone Growth
Stimulator System



*Powered by Capacitive
Coupling Technology*

Electrode Placement Suggestions

Following routine x-ray assessment, select the axis around the fracture nonunion for the placement of the electrodes. Placement of the electrodes in the anteroposterior, mediolateral or any axis around the area of the fracture nonunion is at the discretion of the physician. Electrodes should be placed so that they transmit minimal stimulation through scar tissue, are convenient to access for replacement and are least likely to be disturbed during normal daily activities.

The placement of the electrodes on either side of the fracture nonunion site should be positioned 180° to each other. A tolerance of plus or minus 20° of misalignment is allowable (Figure 1). In the plane of the long axis of the bone, the tolerance misalignment is equal to the $1\text{-}3/8$ inch diameter of an electrode (Figure 2).

Figure 1

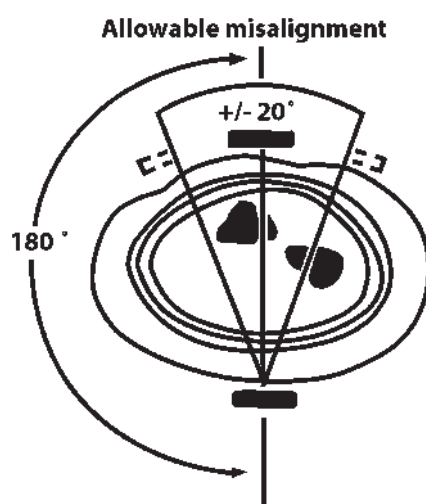
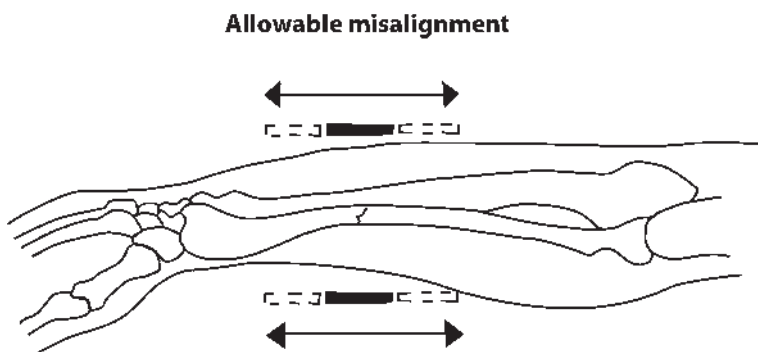


Figure 2



This guide is designed to assist in application locations for various fracture nonunion types but is by no means a definitive guide for electrode placement on every possible fracture nonunion.

Note: For full prescribing information including indications, precautions, warnings, and product operation instructions, please refer to the complete manual and package insert.

Upper Extremity Electrode Placements

Clavicle*



Proximal Humerus



Midshaft Humerus



Distal Humerus



**The proper application of the electrodes for a clavicle application is on the anterior and posterior portion, 180 degrees on either side of the fracture nonunion site.*

Upper Extremity Electrode Placements *(continued)*

Midshaft Radius/Ulna



Distal Radius/Ulna



Carpals



Proximal Metacarpals



Distal Metacarpals



*Scaphoid**



Lower Extremity Electrode Placements

Proximal Femur



Midshaft Femur



Distal Femur



Patella



Proximal Tibia



Midshaft Tibia



Lower Extremity Electrode Placements *(continued)*

Distal Tibia



Talus



Calcaneus



Tarsals



Midshaft Metatarsals



Distal Metatarsals



The **largest portfolio of** **clinically proven bone growth** **stimulation solutions.**

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Complete prescribing information including full indications, contraindications, warnings and precautions associated with the use of these devices may be found online at ebibonestimulator.com or by calling 800-526-2579. The OrthoPak® is indicated for the treatment of an established nonunion acquired secondary to trauma, excluding vertebrae and all flat bones, where the width of the nonunion defect is less than one-half the width of the bone to be treated. Contraindicated if the individual has synovial pseudarthrosis. Federal Law (U.S.A.) restricts this device to sale by or on the order of a physician. Rx Only. Single Patient Use Only. Do Not Reuse. This material is intended for health care professionals. Distribution to any other recipient is prohibited. All content herein is protected by copyright, trademarks and other intellectual property rights, as applicable, owned by or licensed to EBI or its affiliates unless otherwise indicated, and must not be redistributed, duplicated or disclosed, in whole or in part, without the express written consent of EBI. EB00212 REV A 06/26. ©2026 EBI, LLC. All rights reserved.



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