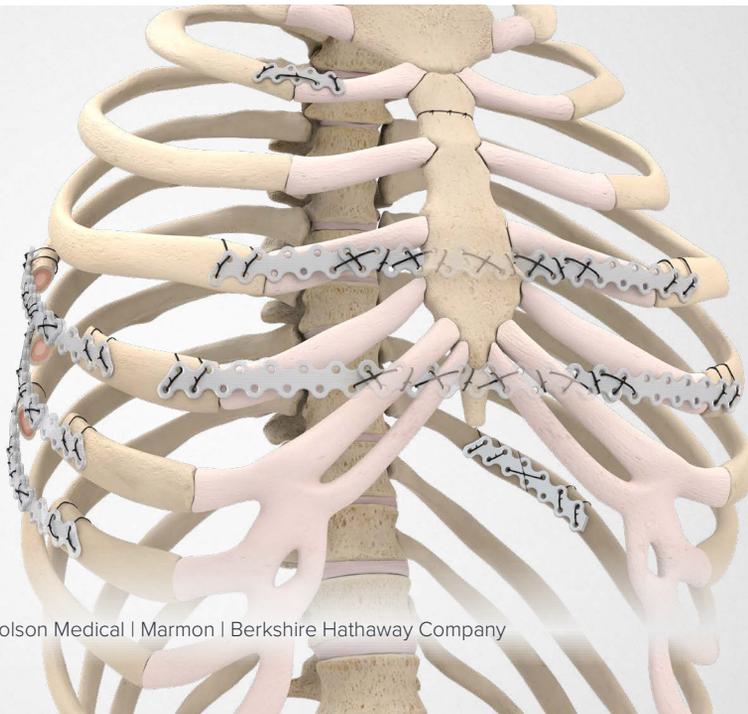


**+ acumed®**  
BioBridge® Resorbable  
Chest Wall Stabilization Plate

## Product Overview



a Colson Medical | Marmon | Berkshire Hathaway Company



Acumed was the first and only company to distribute a resorbable plate for rib fixation in 2008.

## Acumed® BioBridge® Resorbable Chest Wall Stabilization Plate

BioBridge is a versatile, resorbable solution for chest wall stabilization. It was specifically designed to offer strength that exceeds typical chest wall loading and a resorption time that outlasts typical bone healing time.<sup>1</sup>

### Simple Interrupted

A simple interrupted suture can either be wrapped around the rib or through a hole drilled in the rib



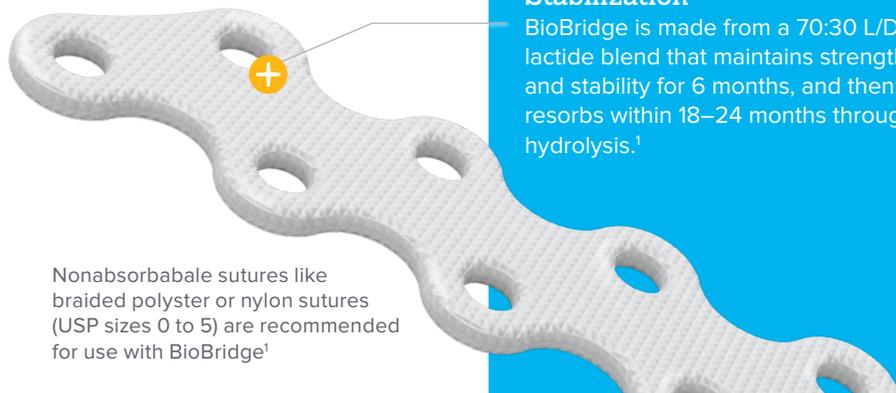
### Figure-of-eight

A figure-of-eight suture can be used to stack the plates for increased rigidity and/or length



### Compression

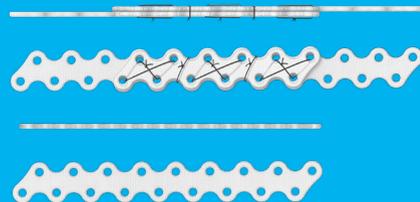
A compression suture may be added by drilling holes off-center from the holes on the plate (drill not included)



Nonabsorbable sutures like braided polyester or nylon sutures (USP sizes 0 to 5) are recommended for use with BioBridge<sup>1</sup>

### Customizable Solution

BioBridge<sup>®</sup> is flexible and can be stacked or trimmed for increased rigidity and/or length



### Nonpermanent Chest Wall Stabilization

BioBridge is made from a 70:30 L/DL-lactide blend that maintains strength and stability for 6 months, and then fully resorbs within 18–24 months through hydrolysis.<sup>1</sup>

## Versatile Solution

### Costochondral Junction Repair

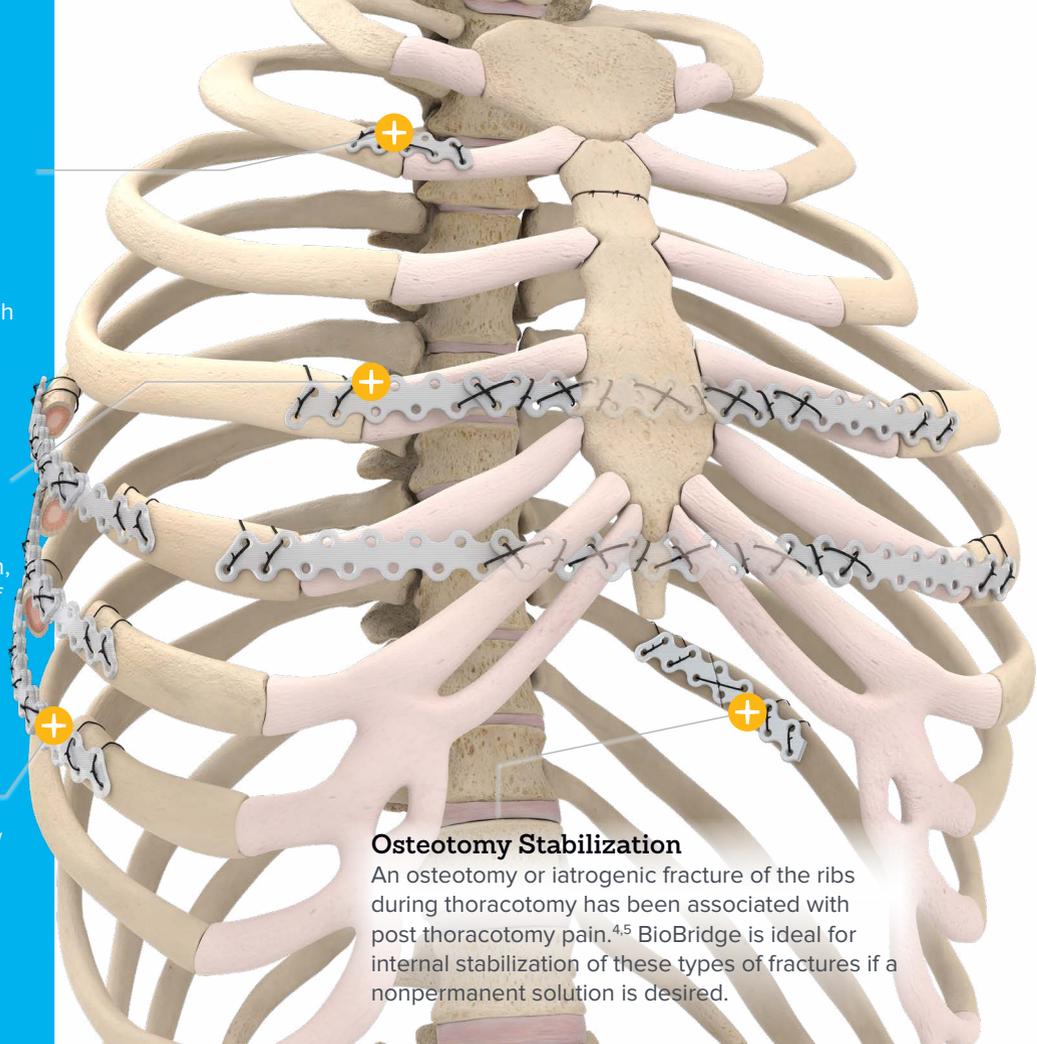
Fractured cartilage caused by trauma or during a thoracotomy can be challenging to repair and requires extended healing time. BioBridge® can be used to stabilize the fracture through reduction and compression.

### Pectus Repair

During a modified Ravitch procedure, BioBridge can be used as a nonpermanent strut instead of using suture alone. This technique provides added support to the elevated sternum, with the goal of reducing recurrence of the pectus deformity.

### Chest Wall Reconstruction

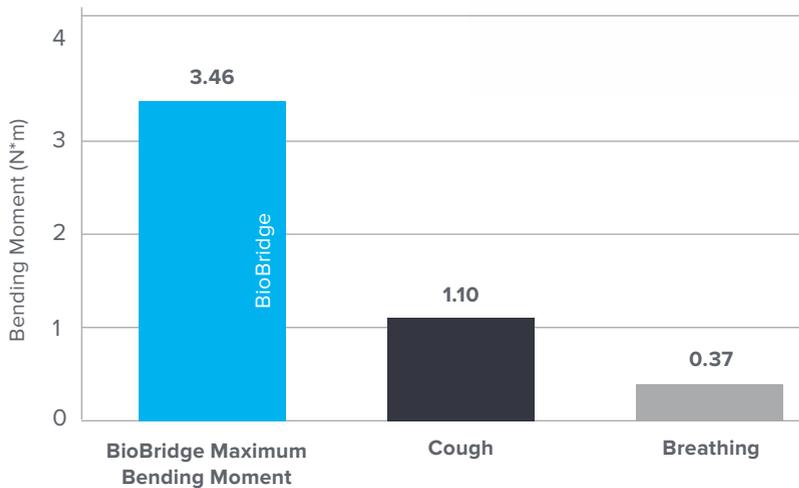
Reconstruction may be indicated due to chest wall tumors (benign and malignant), radiation necrosis, contiguous lung or breast cancer, lung/ chest wall infections, and trauma.<sup>2,3</sup> This reconstruction provides long-term chest wall stability through bone healing and/or soft tissue scarring.



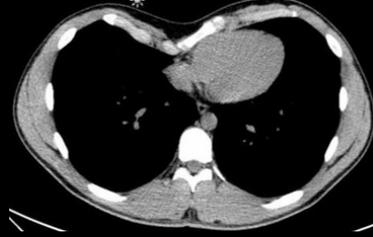
### Osteotomy Stabilization

An osteotomy or iatrogenic fracture of the ribs during thoracotomy has been associated with post thoracotomy pain.<sup>4,5</sup> BioBridge is ideal for internal stabilization of these types of fractures if a nonpermanent solution is desired.

## Bending Strength<sup>1,6,7,8</sup>



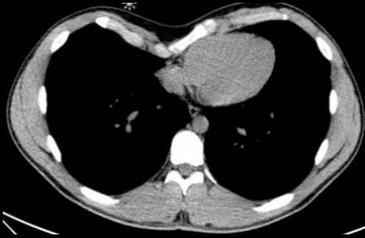
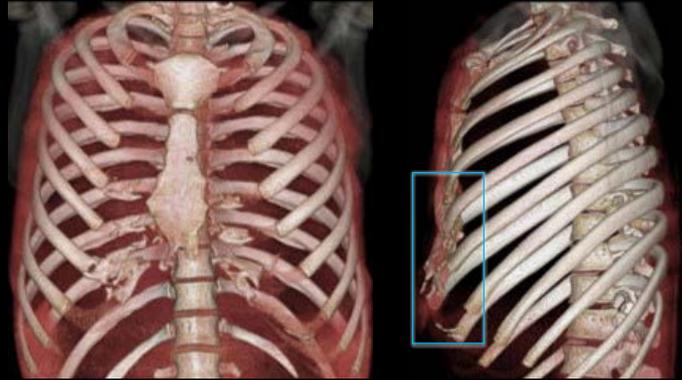
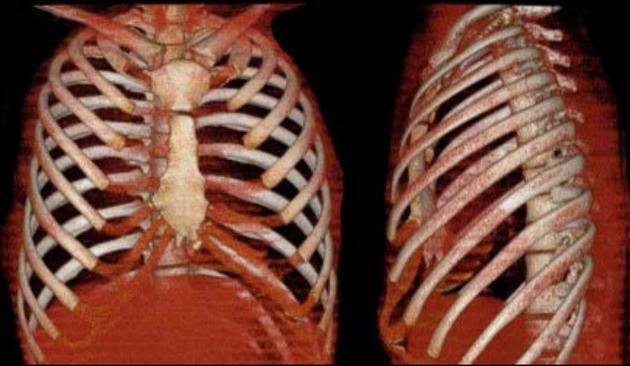
BioBridge<sup>®</sup> was specifically designed to withstand the forces of the chest wall while providing semirigid fixation, thus promoting bone regeneration. A lab test showed that the strength of the BioBridge<sup>®</sup> plate exceeds biological approximations of rib loading in coughing and breathing.



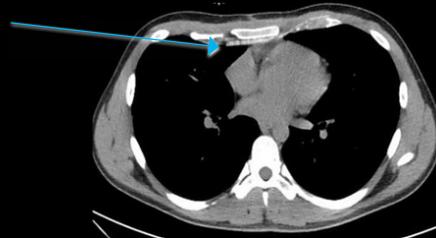
Preoperative

Postoperative (12 Month)

### Reinforced Chest Wall Reconstruction



Preoperative



Postoperative (12 Month)

### Pectus Excavatum Repair



www.acumed.net

Acumed USA Campus  
5885 NE Cornelius Pass Road  
Hillsboro, OR 97124  
+1.888.627.9957

OsteoMed USA Campus  
3885 Arapaho Road  
Addison, TX 75001  
+1.800.456.7779

Acumed Iberica Campus  
C. de Álvaro Caballero, 14,  
28023 Madrid, Spain  
+34.913.51.63.57

RRP7001-M | Effective: 2023/04 | © 2023 Acumed® LLC

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For full surgical instructions, see the current BioBridge® Chest Wall Reconstruction Surgical Technique (RRP7120) and BioBridge Open Pectus Repair Surgical Technique (RRP7119)

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