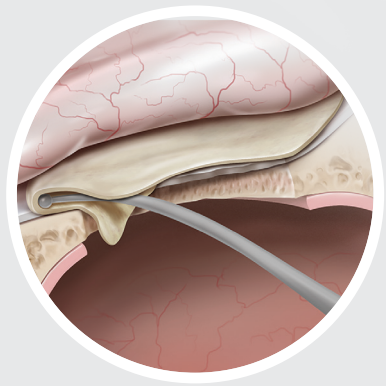
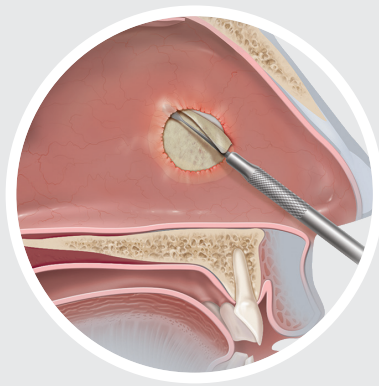




# Biodesign<sup>®</sup>

ADVANCED TISSUE REPAIR



**C2Dx<sup>®</sup>**

# What is Biodesign?

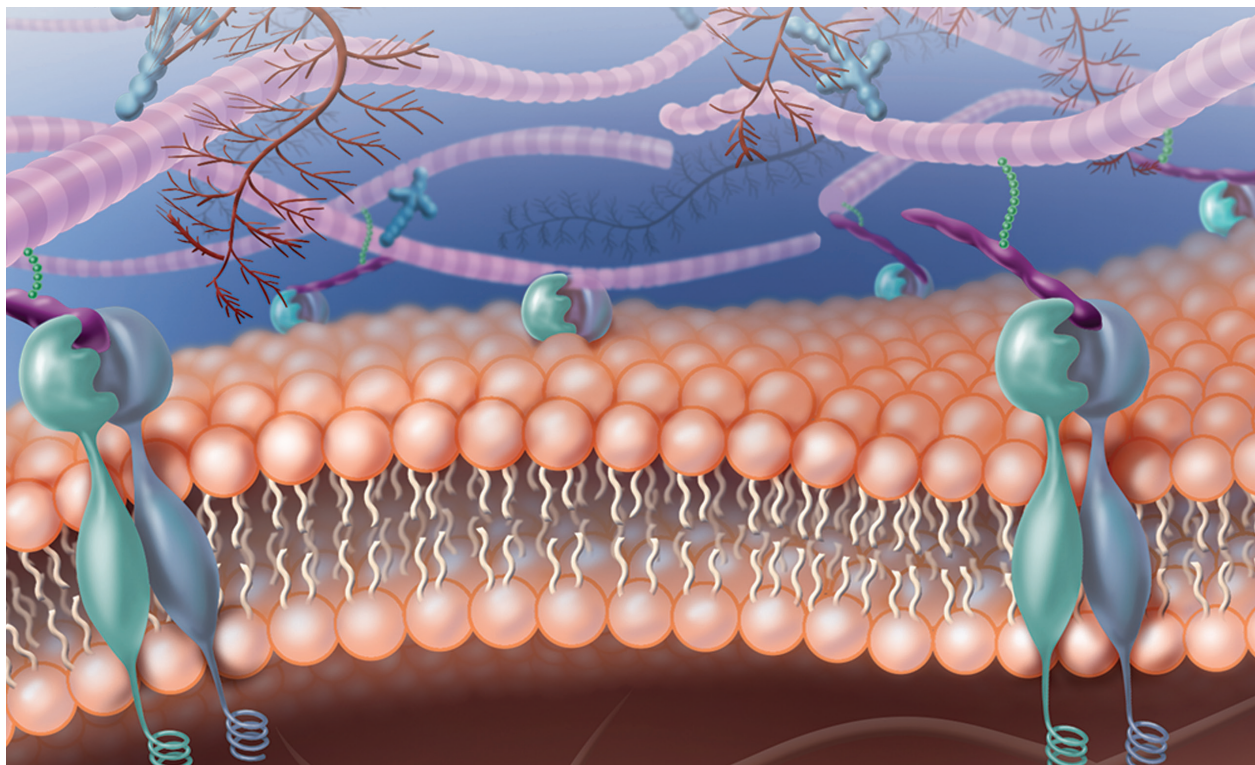
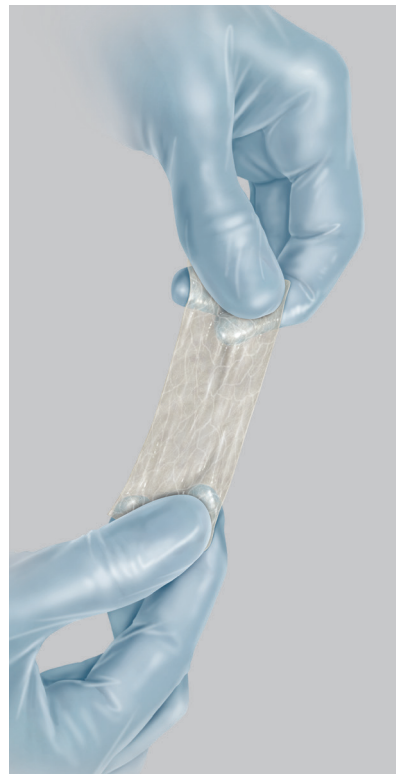
Biodesign is a platform technology behind numerous tissue-repair products that span multiple medical specialties.

Biodesign is natural extracellular matrix (ECM) derived from **porcine small intestinal submucosa (SIS)**.

The ECM is a complex latticework of proteins and structural molecules that helps guide the growth of cells.<sup>1</sup>

The proprietary processing methodology decellularizes the SIS material while preserving natural matrix molecules such as **collagen, proteoglycans, and glycosaminoglycans**.<sup>2</sup>

The result is a scaffold that, when implanted, provides a location for host cells to infiltrate and remodel into vascularized tissue.<sup>3</sup>



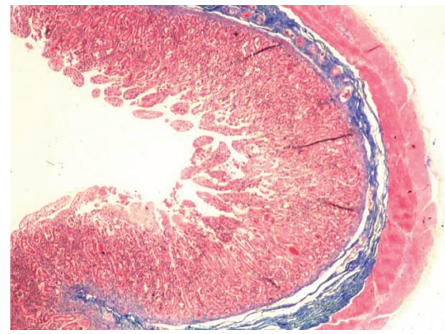
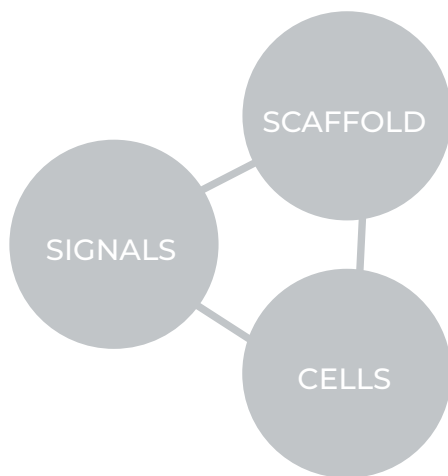


# How does Biodesign work?

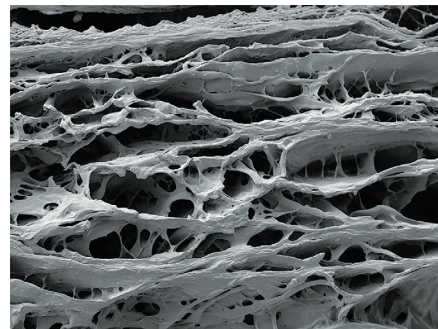
There are three essential components to healing: a scaffold, signals, and cells.

Biodesign's open lattice structure provides a scaffold for tissue ingrowth.<sup>3</sup>

The body's signaling mechanisms help patient cells infiltrate the scaffold and completely remodel into natural host tissue.

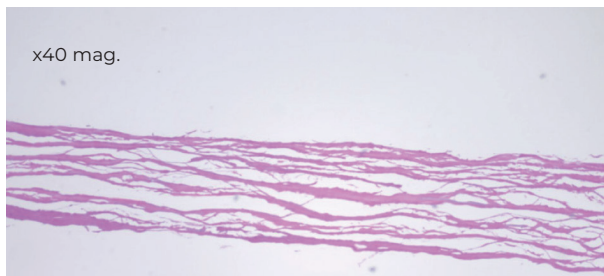


Porcine small intestine, submucosa in blue.

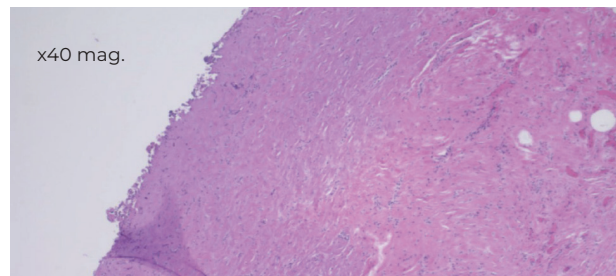


Extracellular matrix structure of lyophilized porcine small intestinal submucosa

## Microscopic view of the remodeling process<sup>2</sup>



Biodesign graft prior to implantation

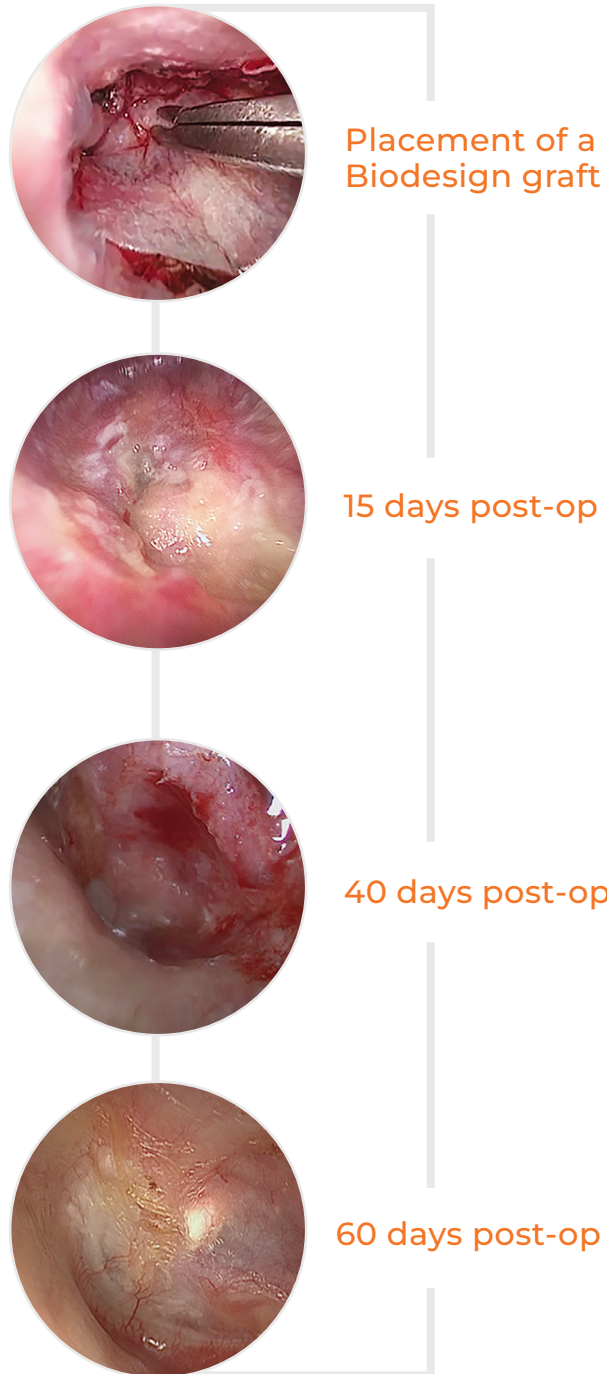


8 months after implantation

The Biodesign graft (left) allows for the substantial growth of organized tissue, as seen in this biopsy sample, taken eight months after implantation (right). The above images are of the Biodesign Plastic Surgery Matrix implanted in breast tissue.<sup>4</sup>

# What is the result?

The result is a durable repair consisting of vascularized tissue.



# A proven technology.

With more than 1,400 total published articles, Biodesign is one of the most well-studied graft technologies on the market.\*

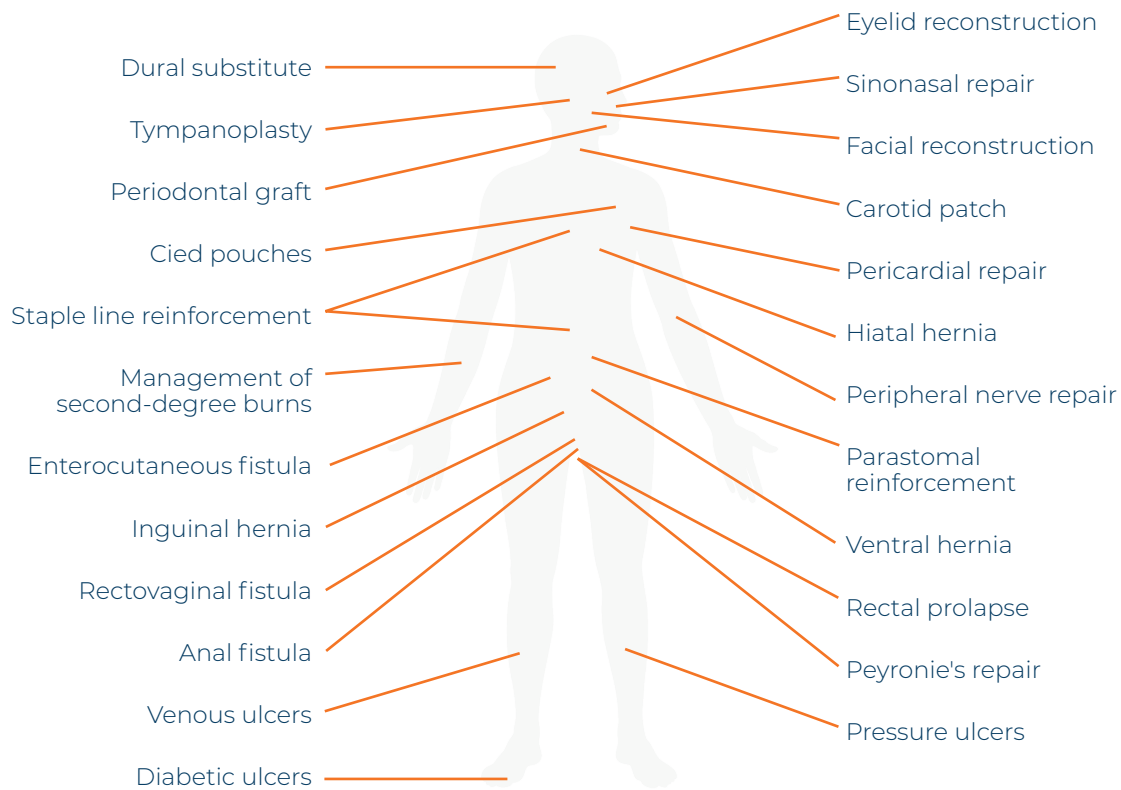


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# Published history of therapeutic uses

The technology behind Biodesign has been used in numerous applications throughout the body.



## Products for Soft tissue repair

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