

For Complex Ventral Hernia Repairs

**MOVE ON
FROM THE OLD
BIOLOGIC-
DERIVED MESH**

**TO ONE
THAT MOVES
WITH THE
BODY^{2-4†}**



Gentrix[®]
SURGICAL MATRIX
STRUCTURE. FUNCTION. MOTION.²⁻⁴

Gentrix[®] Surgical Matrix is a fully resorbable biologically-derived device designed to support the body's ability to restore biomechanical functionality to the abdominal wall by remodeling into site-appropriate tissue. The devices are specifically designed for reinforcement and the repair of complex ventral hernias.¹⁻⁴

Biomechanical Functionality

Supports the body's ability to restore the appropriate mechanical strength and integrity of the abdominal wall to naturally enable the patient's ability to return to daily life.^{2,5}

POSITIVE OUTCOMES with minimal complications²

Gentrix® is backed by clinical data demonstrating positive outcomes that allow patients to resume their normal daily activities. One study reports the following outcomes:



Scan here to learn more

Complex Patient Group n=64

84% Classified as major (Slater Severity Classification System)

66% Had concomitant procedures

59% Had a previously failed repair

47% Had incarcerated bowel or omentum

Minimal Complications

15.6% Recurrence Rate

20% Major Wound Care



No Cases of Erosion, Fistulation, or Bowel Obstruction

Long-Term Follow-up (median)



36 months
(12-70 months)

REMODELED TISSUE MIMICS NATIVE FASCIA to move with the body

Fully resorbed and replaced by tissue for a long-lasting repair

In a preclinical ovine study, the remodeling response of Gentrix® was compared to that of Strattice™. At 3 months, the Gentrix® device was fully remodeled into site-appropriate connective tissue, while the Strattice™ device was easily identifiable from surrounding tissue.^{4†}

The new deposited tissue mimics healthy surrounding tissue in terms of form and mechanical function.^{3,4}

Gentrix®



Strattice™



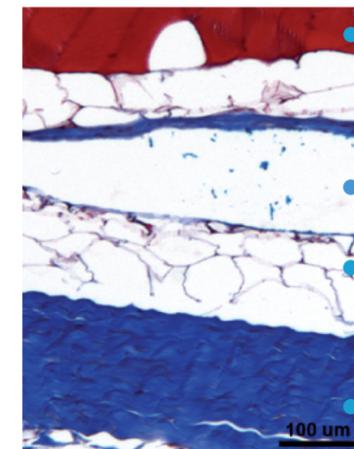
†Animal model results do not necessarily translate to clinical results.

SITE-APPROPRIATE REMODELING leads to vascularized tissue

In a preclinical porcine ventral hernia study, animals reinforced with Gentrix® devices were associated with a positive tissue remodeling response.[†]

The remodeled tissue largely resembled the thickened posterior fascia of uninjured tissue.³

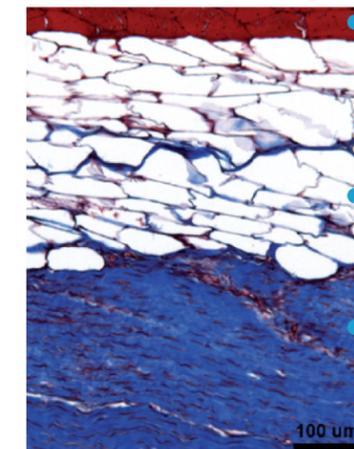
Uninjured



Rectus muscle
Artifact
Adipose tissue
Native fascia

100 um

Gentrix®: 8 months



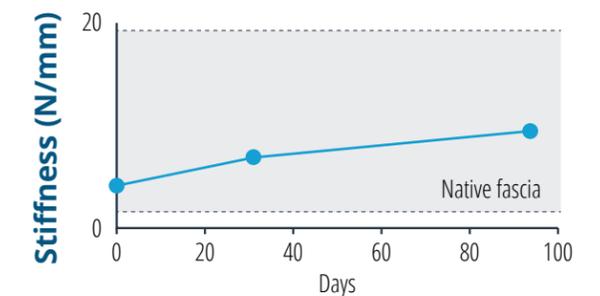
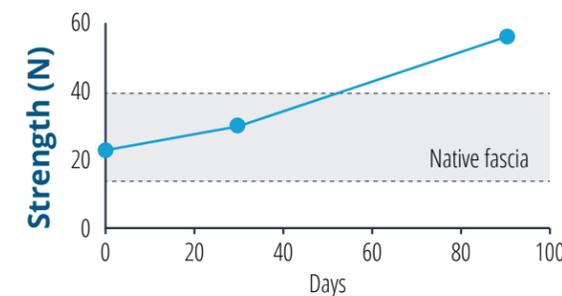
Rectus muscle
Adipose tissue
Remodeled fascia

100 um

Gentrix® supports the body's ability to remodel into vascular, organized connective tissue with biomechanical function akin to native tissue.³

†Animal model results do not necessarily translate to clinical results.

Gentrix® is specifically designed to match the strength and stiffness of native fascia both at time of implantation and after the graft resorbs.⁴



For complex ventral hernia repairs, choose BIOMECHANICAL FUNCTIONALITY

Gentrix®: Structure. Function. Motion.²⁻⁴

Gentrix® is an open, porous scaffold composed of porcine urinary bladder matrix (UBM). It is made up of 2 sides:

- **SMOOTH EPITHELIAL BASEMENT MEMBRANE**

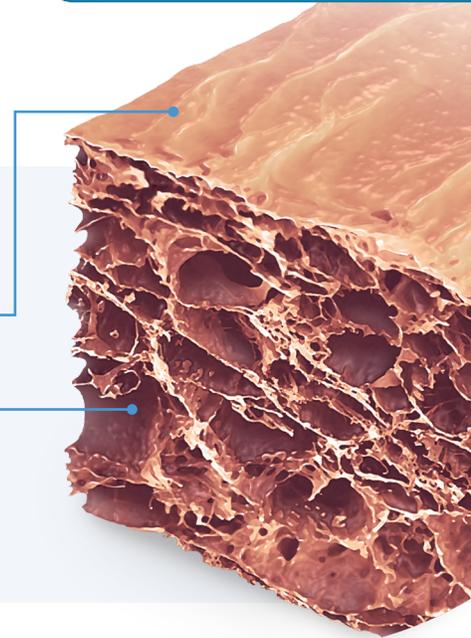
can contribute to cell attachment and proliferation

- **OPEN AND POROUS LAMINA PROPRIA**

is conducive to integration of host connective tissue into the scaffold

GENTRIX® CONTAINS^{6,7}:

- Glycosaminoglycans
- Collagen Type I
- Collagen Type III
- Collagen Type IV
- Collagen Type VII
- Laminin



GENTRIX® SURGICAL MATRIX ORDERING INFORMATION

Layers	Product	Size	Item #	Uses
6	Gentrix Surgical Matrix	5 x 5 cm	PSMX0505	Cases could include reinforcement of hiatal hernias, parastomal hernias, and small ventral hernias. Suitable for laparoscopic or open repair.
	Gentrix Surgical Matrix	7 x 10 cm	PSMX0710	
	Gentrix Surgical Matrix	10 x 15 cm	PSMX1015	
8	Gentrix Surgical Matrix Plus	5 x 7 cm	MSPL0507	Cases could include reinforcement of small to midsize complex ventral hernias, inguinal hernias, hiatal hernias, parastomal hernias, and rectal prolapse hernias. Suitable for laparoscopic or open repair.
	Gentrix Surgical Matrix Plus	7 x 10 cm	MSPL0710	
	Gentrix Surgical Matrix Plus	10 x 10 cm	MSPL1010	
8	Gentrix Surgical Matrix Thick	10 x 20 cm	PSMT1020	Cases could include reinforcement of large complex ventral hernias and abdominal wall reconstruction. Suitable for open repair.
	Gentrix Surgical Matrix Thick	16 x 20 cm	PSMT1620	
	Gentrix Surgical Matrix Thick	20 x 20 cm	PSMT2020	
	Gentrix Surgical Matrix Thick	20 x 25 cm	PSMT2025	
	Gentrix Surgical Matrix Thick	20 x 30 cm	PSMT2030	
	Gentrix Surgical Matrix Thick	30 x 30 cm	PSMT3030	
6	Gentrix Hiatal	6 x 7.5 cm	HIAT0706	Designed for hiatal hernia repair reinforcement, featuring a pre-cut shape with smooth, rounded edges.
				Designed to be easily handled and secured in laparoscopic surgery.

References: 1. Brown BN, et al. *Acta Biomaterialia*. 2012;8(3):978-987. 2. Sasse KC, et al. *Hernia*. 2018; doi:10.1007/s10029-018-1830-0 3. Young DA, et al. *Regenerative Medicine*. 2018; doi:10.2217/rme-2018-0023 4. Young DA, et al. *Regenerative medicine*. 2018; doi:10.2217/rme-2018-0091 5. Brown B, et al. *Tissue Engineering*. 2006;12:519-526. 6. Sadtler K, et al. *Semin Immunol*. 2017;29:14-23. 7. Capella-Monsonis H, et al. *Mater Today Bio*. 2020;7:100057.

Gentrix® Surgical Matrix, Gentrix® Surgical Matrix Hiatal, Gentrix® Surgical Matrix Plus

INDICATIONS: Gentrix Surgical Matrix, Gentrix Surgical Matrix Hiatal, Gentrix Surgical Matrix Plus are intended for implantation to reinforce soft tissue where weakness exists in patients requiring gastroenterological or plastic & reconstructive surgery. Reinforcement of soft tissue within gastroenterological and plastic & reconstructive surgery includes, but is not limited to, the following open or laparoscopic procedures: hernia (e.g. hiatal/ diaphragmatic) and body wall repair, colon and rectal prolapse repair, tissue repair, and esophageal repair. Gentrix Surgical Matrix, Gentrix Surgical Matrix Hiatal, Gentrix Surgical Matrix Plus minimize tissue attachment to the device in case of direct contact with viscera.

CONTRAINDICATION: Patients with known sensitivity or allergy to porcine materials.

WARNINGS:

1. Device is not intended for transvaginal placement or treatment for pelvic organ prolapse or stress urinary incontinence.
2. Device is not intended for bridging hernia defects.
3. Exposure to contaminated or infected field can lead to weakening or breakdown of device.
4. If active infection is present, patient to resolve infection prior to device implantation.
5. Do not use if cracked, broken, or otherwise damaged.

Gentrix® Surgical Matrix Thick

INDICATIONS: Gentrix Surgical Matrix Thick is intended for implantation to reinforce soft tissue where weakness exists in patients requiring gastroenterological or plastic & reconstructive surgery. Reinforcement of soft tissue within gastroenterological and plastic & reconstructive surgery includes, but is not limited to, the following procedures: hernia and body wall repair, colon and rectal prolapse repair, tissue repair, and esophageal repair.

CONTRAINDICATION: Patients with known sensitivity or allergy to porcine materials.

WARNINGS:

1. Devices are not intended for transvaginal placement or treatment for pelvic organ prolapse or stress urinary incontinence.
2. Devices are not intended for bridging hernia defects.
3. Exposure to contaminated or infected field can lead to weakening or breakdown of device.
4. If active infection is present, treat patient to resolve infection prior to device implantation.
5. Do not use if cracked, broken, or otherwise