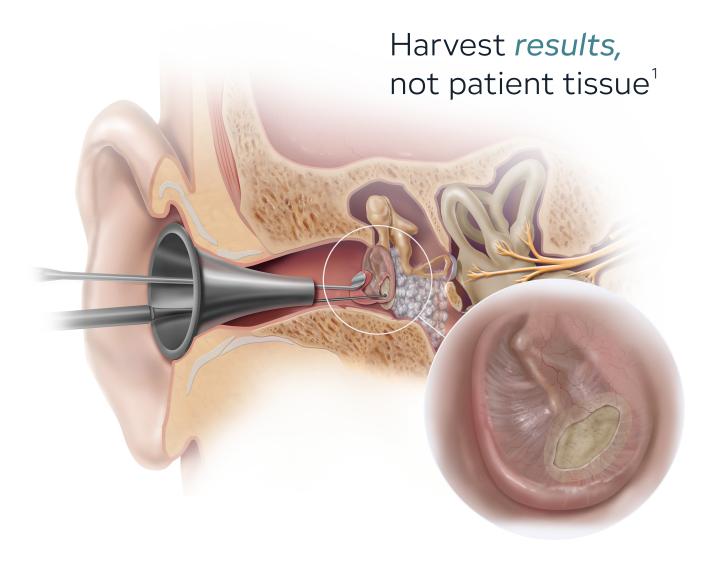
Biodesign® OTOLOGIC REPAIR GRAFT



Reliable Closure

Biodesign® material remodels into natural host tissue with an overall success rate of 91% across published literature¹⁻⁹ with no statistically significant difference in audiometric results when compared to temporalis fascia.^{1,10}

Excellent Handling

Biodesign® material is easy to manipulate, allowing for improved surgical precision during graft placement.¹

Time Saving

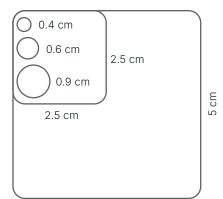
The Biodesign® Otologic Repair Graft reduces the need to harvest autologous tissue, significantly decreasing intraoperative time.¹





Available product sizes

Shown at actual size.



Biodesign® Otologic Repair Graft

| Order Number | Reference Part Number | Size cm | Nominal Thickness mm |
|-----------------|--------------------------|------------|----------------------------|
| G44840 | ENT-OTO-0.4-0.6 | 0.4, 0.6 | 0.25 |
| G44839 | ENT-OTO-0.6-0.9 | 0.6, 0.9 | 0.25 |
| G44451 | ENT-OTO-2.5X2.5 | 2.5 x 2.5 | 0.25 |
| G44452 | ENT-OTO-5X5 | 5.0 x 5.0 | 0.25 |

INTENDED USE:

The Biodesign® Otologic Repair Graft is intended for use as an implant material to aid in surgical repairs and as an adjunct to aid in the natural healing process in various otologic procedures, including but not limited to myringoplasty and tympanoplasty. The device is supplied sterile and is intended for one-time use.

CONTRAINDICATIONS:

The device should not be used for patients with known sensitivity to porcine material.

PRECAUTIONS: This device is designed for single use only, do not reprocess, resterilize, and/or reuse • Avoid packing external canal with adherent dressings or applying excessive pressure in the ear canal • Please take care when opening tray packaging to ensure that device remains seated in the tray.

POTENTIAL COMPLICATIONS: Complications that can occur with the use of surgical device materials in otologic procedures may include, but are not limited to:

- abscess formation
 allergic reaction
 calcification
- cholesteatoma excessive redness, pain, swelling, or blistering fever infection inflammation (initial application of device materials may be associated with transient, mild, localized inflammation) mastoiditis
- migration persistence of perforation recurrence
- retraction pockets seroma squamous cysts thickening of the tympanic membrane

VULNERABLE POPULATIONS: Safety data for this device has been collected in otherwise healthy populations. While no specific risks have been identified in vulnerable groups (e.g., patients with complex comorbidities or pregnancy), data in these populations is limited. Use in such cases should be guided by clinical judgment, including consultation with relevant specialists when appropriate.

References

- D'Eredità R. Porcine small intestinal submucosa (SIS) myringoplasty in children: a randomized controlled study. Int J Pediatr Otorhinolaryngol. 2015;79(7):1085-1089.
- Cass ND, Hebbe AL, Meier MR, et al. Pediatric primary tympanoplasty outcomes with autologous and nonautologous grafts. Otol Neurotol. 2022:43(1):94-100.
- Chen CK, Hsieh LC. Clinical outcome of exclusive endoscopic tympanoplasty with porcine small intestine submucosa in 72 patients. Clin Otolaryngol. 2020;45(6):938-943.
- Barron C, Lukens J, Niermeyer W, et al. Investigation of novel grafts in use for pediatric tympanoplasty. Ann Otol Rhinol Laryngol. 2019;128(12):1111–1115.
- Redaelli De Zinis LO, Berlucchi M, Nassif N. Double-handed endoscopic myringoplasty with a holding system in children: preliminary observations. *Int J Pediatr Otorhinolaryngol*. 2017;96:127-130.
- James AL. Endoscope or microscope-guided pediatric tympanoplasty? Comparison of grafting technique and outcome. Laryngoscope. 2017;127(11):2659-2664.

- Ranguis SC, Leonard CG, James AL. Prospective comparison of pediatric endoscopic lateral graft and interlay tympanoplasty. *Otol Neurotol*. 2021;42(6):867-875.
- 8. Wang N, Isaacson G. Collagen matrix as a replacement for Gelfilm for post-tympanostomy tube myringoplasty. *Int J Pediatr Otorhinolaryngol*. 2020;135:110136.
- Yawn RJ, Dedmon MM, O'Connel BP, et al. Tympanic membrane perforation repair using porcine small intestinal submucosal grafting. *Otol Neurotol*. 2018;39(5):e332-e335.
- Dontu P, Shaigany K, Eisenman DJ. Anatomic and audiometric outcomes of porcine intestinal submucosa for tympanic membrane repair. Laryngoscope Investig Otolaryngol 2022;7:2069-2075.

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