

# Biodesign® Otologic Repair Graft clinical data summary

Below are clinical studies that highlight the various benefits of the Biodesign Otologic Repair Graft.\*  
**Click on each source below to view the abstract or article.**

Sources	Topics addressed									
	Closure Rates	Hearing Outcomes	Safety Outcomes	Handling	Time Savings	Meta-Analysis	Technique Only	Mastoid	In-Office	EES
1. D'Eredità R. Porcine small intestinal submucosa (SIS) myringoplasty in children: a randomized controlled study. <i>Int J Pediatr Otorhinolaryngol.</i> 2015;79(7):1085-1089. <a href="https://doi.org/10.1016/j.ijporl.2015.04.037">https://doi.org/10.1016/j.ijporl.2015.04.037</a>	X	X	X	X	X					X
2. James AL. Endoscope or microscope-guided pediatric tympanoplasty? Comparison of grafting technique and outcome. <i>Laryngoscope.</i> 2017;127(11):2659-2664. <a href="https://doi.org/10.1002/lary.26568">https://doi.org/10.1002/lary.26568</a>	X		X	X	X					X
3. Redaelli De Zinis LO, Berlucchi M, Nassif N. Double-handed endoscopic myringoplasty with a holding system in children: preliminary observations. <i>Int J Pediatr Otorhinolaryngol.</i> 2017;96:127-130. <a href="https://doi.org/10.1016/j.ijporl.2017.03.017">https://doi.org/10.1016/j.ijporl.2017.03.017</a>	X	X	X		X					X
4. Basonbul RA, Cohen MS. Use of porcine small intestinal submucosa for pediatric endoscopic tympanic membrane repair. <i>World J Otorhinolaryngol Head Neck Surg.</i> 2017;3(3):142-147. <a href="https://doi.org/10.1016/j.wjorl.2017.09.001">https://doi.org/10.1016/j.wjorl.2017.09.001</a>							X			X
5. Yawn RJ, Dedmon MM, O'Connell BP, et al. Tympanic membrane perforation repair using porcine small intestinal submucosal grafting. <i>Otol Neurotol.</i> 2018;39(5):e332-e335. <a href="https://doi.org/10.1097/MAO.0000000000001792">https://doi.org/10.1097/MAO.0000000000001792</a>	X	X								X
6. Fina M, Chieffe D. Office-based otology procedures. <i>Otolaryngol Clin North Am.</i> 2019;52(3):497-507. <a href="https://doi.org/10.1016/j.otc.2019.02.004">https://doi.org/10.1016/j.otc.2019.02.004</a>									X	X
7. Kozin ED, Lee DJ, Remenschneider AK. Bilayer graft for incisionless in-office endoscopic repair of tympanic membrane perforations: a pilot study. <i>OTO Open.</i> 2019;3(3):2473974X19869911. <a href="https://doi.org/10.1177/2473974X19869911">https://doi.org/10.1177/2473974X19869911</a>	X	X	X		X				X	X
8. Wang N, Isaacson G. Collagen matrix as a replacement for Gelfilm® for post-tympanostomy tube myringoplasty. <i>Int J Pediatr Otorhinolaryngol.</i> 2020;135:110136. <a href="https://doi.org/10.1016/j.ijporl.2020.110136">https://doi.org/10.1016/j.ijporl.2020.110136</a>	X									
9. Chen C-K, Hsieh L-C. Clinical outcome of exclusive endoscopic tympanoplasty with porcine small intestine submucosa in 72 patients. <i>Clin Otolaryngol.</i> 2020;45(6):938-943. <a href="https://doi.org/10.1111/coa.13607">https://doi.org/10.1111/coa.13607</a>	X	X	X		X				X	X
10. Chiao W, Chieffe D, Fina M. Endoscopic management of primary acquired cholesteatoma. <i>Otolaryngol Clin North Am.</i> 2021;54(1):129-145. <a href="https://doi.org/10.1016/j.otc.2020.09.014">https://doi.org/10.1016/j.otc.2020.09.014</a>							X	X		X
11. Ghanad I, Polanik MD, Trakimas DR, et al. A systematic review of nonautologous graft materials used in human tympanoplasty. <i>Laryngoscope.</i> 2021;131(2):392-400. <a href="https://doi.org/10.1002/lary.28914">https://doi.org/10.1002/lary.28914</a>	X	X				X				
12. Ranguis SC, Leonard CG, James AL. Prospective comparison of pediatric endoscopic lateral graft and interlay tympanoplasty. <i>Otol Neurotol.</i> 2021;42(6):867-875. <a href="https://doi.org/10.1097/MAO.0000000000003053">https://doi.org/10.1097/MAO.0000000000003053</a>	X	X	X		X					X
13. Roychowdhury P, Polanik MD, Kozin ED, et al. In-office repair of tympanic membrane perforation. <i>Otol Neurotol.</i> 2021;42(10):e1636. <a href="https://doi.org/10.1097/MAO.0000000000003333">https://doi.org/10.1097/MAO.0000000000003333</a>	X	X	X		X				X	X
14. Cass ND, Hebbe AL, Meier MR, et al. Pediatric primary tympanoplasty outcomes with autologous and non-autologous grafts. <i>Otol Neurotol.</i> 2022;43(1):94-100. <a href="https://doi.org/10.1097/MAO.0000000000003344">https://doi.org/10.1097/MAO.0000000000003344</a>	X				X					X

For more information, or to speak with a representative, visit [cookmedical.com/otology](http://cookmedical.com/otology).

\*Data in these articles represents data obtained using the Biodesign Otologic Repair Graft or similar/equivalent devices.

