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 artricle.

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

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

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