

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. 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. <i>Laryngoscope.</i> 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. <i>Int J Pediatr Otorhinolaryngol.</i> 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. <i>World J Otorhinolaryngol Head Neck Surg.</i> 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. <i>Otol Neurotol.</i> 2018;39(5):e332-e335. https://doi.org/10.1097/MAO.0000000000001792 | X | X | | | | | | | | X |
| 6. Fina M, Chieffe D. Office-based otology procedures. <i>Otolaryngol Clin North Am.</i> 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. <i>OTO Open.</i> 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. <i>Int J Pediatr Otorhinolaryngol.</i> 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. <i>Clin Otolaryngol.</i> 2020;45(6):938-943. https://doi.org/10.1111/coa.13607 | 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. 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. <i>Laryngoscope.</i> 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. <i>Otol Neurotol.</i> 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. <i>Otol Neurotol.</i> 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. <i>Otol Neurotol.</i> 2022;43(1):94-100. https://doi.org/10.1097/MAO.0000000000003344 | X | | | | X | | | | | X |

For more information, or to speak with a representative, visit cookmedical.com/otology.
 Data in these articles represents data obtained using the Biodesign Otologic Repair Graft or similar/equivalent devices.

