




Clinical Data Summary

Biodesign® Otologic Repair Graft

	 Porcine small intestinal submucosa (SIS) myringoplasty in children	 Endoscope or microscope-guided pediatric tympanoplasty? Comparison of grafting technique and outcome	 Double-handed endoscopic myringoplasty with a holding system in children
SAMPLE SIZE	217	53	10
CLOSURE RATE (SIS)	83%	87%	100%
FOLLOW-UP (YEARS)	2 - 11	1	0.5
OTHER KEY FINDINGS	7.7 minutes saved No adverse reactions to SIS No statistically significant difference in audiometric results	Biodesign—easy to manipulate Saves surgical time Eliminates all donor site morbidity	10 minutes saved No external incision needed
REFERENCE	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.	James AL. Endoscope or microscope-guided pediatric tympanoplasty? Comparison of grafting technique and outcome. <i>Laryngoscope.</i> 2017;127(11):2659-2664.	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.

Biodesign products are derived from Cook Medical's Small Intestinal Submucosa (SIS) technology.

