

The following bibliography is a list of peer-reviewed publications that relate to the clinical utilization of nerve allografts and/or Avance® Nerve Graft, Axoguard Nerve Connector®, Axoguard Nerve Protector®, and Avive® Soft Tissue Membrane for the repair of peripheral nerve injuries. It is not intended to be a comprehensive bibliography of all available publications on this subject; rather it is intended to be a snapshot of the biomedical literature available through PubMed and Google Scholar as well as known journals and textbooks not currently indexed on the PubMed database.

147. Morgan SD, Zuniga JR. Nerve grafting in head and neck reconstruction. *Facial Plast Surg* 2020; 36 (06): 737-745. doi: 10.1055/s-0040-1721106. [abstract available](#) #avance #axoguard nerve connector
146. Foley DP, Cox C, Suryavanshi J, Osemwengie B, et al. Nerve allograft histology after banking following complicated reconstruction. *Clin Case Rep*. 2020 Dec 9. doi: doi.org/10.1002/ccr3.3599. [full text available](#) #avance
145. Sweeney AR, Wang M, Weller CL, et al. Outcomes of corneal neurotisation using processed nerve allografts: A multicenter case series. *Br J Ophthalmol*. 2020; Epub ahead of print: Nov 16. doi: 10.1136/bjophthalmol-2020-317361. [full text available](#) #avance
144. Lanier ST, Jordan SW, Ko JH, Dumanian GA. Targeted muscle reinnervation as a solution for nerve pain. *Plast Reconstr Surg*. 2020 Nov; 146(5): 651e-663e. doi: 10.1097/PRS.0000000000007235. [abstract available](#) #avance
143. Kaleem A, Amailuk P, Hatoum H, Tursun R. The trigeminal nerve injury. *Oral Maxillofac Surg Clin North Am*. 2020 Nov; 32(4) 675-687. doi: 10.1016/j.coms.2020.07.005. [abstract available](#) #axoguard nerve protector
142. Pietramaggiore G, Sapino G, De Santis G, Bassetto F, et al. Chronic knee and ankle pain treatment through selective microsurgical approaches: A minimally invasive option in the treatment algorithm for refractory lower limb pain. *J Reconstr Microsurg*. 2020; Epub ahead of print Oct 7. doi: 10.1055/s-0040-1717100. [abstract available](#) #avance #axoguard nerve protector
141. Diaz A, Burks SS, Jose J, Levi AD. Ultrasound-guided needle localization wires in peripheral nerve injuries with long segmental defects: Technical case report. *Oper Neurosurg*. 2020 Oct 1 Epub ahead of print. doi: doi.org/10.1093/ons/opa297. [abstract available](#) #avance
140. Rosenblatt TR, Sears CM, Park JK, Kessler AL. Corneal neurotization and novel medical therapies for neurotropic keratopathy. *Curr Ophthalmol Rep*. 2020 Sep; 8: 252-266. <https://doi.org/10.1007/s40135-020-00254-w>. [full text available](#) #avance
139. Spielman AF, Sankaranarayanan S, Skowronski P, Lessard AS, et al. Recurrent and persistent carpal tunnel syndrome: "Tripple-therapy approach". *J Ortho*. 2020; 22: 431-435. doi: 10.1016/j.jor.2020.09.003. [abstract available](#) #axoguard nerve protector
138. Leversedge FJ, Zoldos J, Nydick J, Kao DS, et al. A multicenter matched cohort study of processed nerve allograft and conduit in digital nerve reconstruction. *J Hand Surg*. 2020 Sep 30; Epub ahead of print. doi: <https://doi.org/10.1016/j.jhsa.2020.07.016>. [abstract available](#) #avance
137. Park JK, Charlson ES, Leyngold I, Kessler AL. Corneal neurotization: A review of pathophysiology and outcomes. *Ophthalmic Plast Reconstr Surg*. 2020; 36(5): 431-437. doi: 10.1097/IOP.0000000000001583. [abstract available](#) #avance
136. Hoshal SG, Solis RN, Bewley AF. Nerve grafts in head and neck reconstruction. *Curr Opin Otolaryngol Head Neck Surg*. 2020 Sep, Epub ahead of print. doi:10.1097/MOO.0000000000000649. [abstract available](#). #avance
135. Anderson SR, Wimalawansa SM, Roubaud MS, Mericli AF, et al. Targeted muscle reinnervation following external hemipelvectomy or hip disarticulation: An anatomic description of technique and clinical case correlates. *J Surg Oncol*. 2020 Sep; Epub ahead of print. doi: <https://doi.org/10.1002/jso.26189>. [abstract available](#) #axoguard nerve protector
134. Djohan R, Scomacao I, Knackstedt R, Cakmakoglu C, et al. Neurotization of the nipple-areola complex during implant-based reconstruction: Evaluation of early sensation recovery. *Plast Reconstr Surg*. 2020; 146(2): 250-254. doi: 10.1097/PRS.0000000000006976. [abstract available](#) #avance
133. Riquelme-Medel E, Munoz-Roldan A, Badilla-Monastery R. Microsurgical alternatives (nerve autografts / nerve allografts / nerve ducts) for functional sensory recovery of the lower alveolar nerve and lingual nerve: Review of the literature. *Int. J Interdiscip Dent*. 2020; 13(2): 84-87. doi: <http://dx.doi.org/10.4067/S2452-55882020000200084>. [full text available](#) #avance #axoguard nerve connector
132. Bolleboom A, Boer K, de Ruiter GCW. Clinical outcome for surgical treatment of traumatic neuroma with a processed nerve allograft: Results of a small prospective case series. *J Foot Ankle Surg*. 2020 Aug; Epub ahead of print. doi: <https://doi.org/10.1053/j.jfas.2020.08.016>. [abstract available](#) #avance
131. Baron A, Strohl A. Severe cubital tunnel syndrome: Considerations for nerve transfer surgery. *Curr Rev Musculoskelet Med*. 2020 Aug 27; Epub ahead of print. <https://doi.org/10.1007/s12178-020-09676-2>. [abstract available](#) #avance
130. Callahan N, Miloro M, Markiewicz MR. Immediate reconstruction of the infraorbital nerve after maxillectomy: Is it feasible? *J Oral Maxillofac Surg*. 2020 Aug 5; E-pub ahead of print. <https://doi.org/10.1016/j.joms.2020.07.211>. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector
129. Miloro M, Zuniga JR. Does immediate inferior alveolar nerve allograft reconstruction result in functional sensory recovery in pediatric patients? *J Oral Maxillofac Surg*. 2020; Jun 30; Epub ahead of print. doi: <https://doi.org/10.1016/j.joms.2020.06.033>. [full text available](#) #avance #axoguard nerve protector #axoguard nerve connector
128. Carter EE, Crane CN, Santucci RA. Established and experimental techniques to improve phalloplasty outcomes/optimization of a hypercomplex surgery. *Plast Aesthet Res*. 2020; 7: 33. doi: 10.20517/2347-9264.2020.81. [full text available](#) #axoguard nerve protector
127. Huayllani MT, Boczar D, Forte AJ, Rinker B. Evidence-based approach to nerve gap repair in the upper extremity. *Ann Plast Surg*. 2020; 84 (6S Suppl 5): S369-374. doi: 10.1097/SAP.0000000000002278. [abstract available](#) #avance

126. Hamant LG, Adelson PD, Kang P, Brown DS, et al. Comparison of autograft versus allograft in the surgical repair of pediatric obstetrical brachial plexus injuries. *JNS Peds*. 2020; Jun 12: Epub ahead of print. doi: <https://doi.org/10.3171/2020.4.PEDS2033>. [abstract available](#). #avance
125. Sakamuri S, Wilson TJ. Allograft nerve repair reduces postoperative neuropathic pain following nerve biopsy. *Neurosurgery*. 2020; Jun 15: Epub ahead of print. doi: <https://doi.org/10.1093/neuros/nyaa250>. [abstract available](#) #avance
124. Mathieu L, Addas BMJ, Irimura SC, Oberlin C, et al. Management of sciatic nerve defects: Lessons learned and proposal for a new strategy. *Ann Plast Surg*. 2020 May; 84(5): 559-564. doi: 10.1097/SAP.0000000000002233. [abstract available](#) #avance
123. Jerez D, Venables C, Laissle G, Avendaño C, et al. Reconstruction of the lower alveolar nerve with human acellular nerve allograft in mandibular resection. *Int. J. Odontostomat*. 2020; 14(3): 400-406. doi: <http://dx.doi.org/10.4067/S0718-381X2020000300400>. [full text available](#). #avance
122. Suryavanshi JR, Cox C, Osemwengie BO, Jones HB, et al. Sutureless repair of a partially transected median nerve using tisseel glue and axoguard nerve protector – A case report. *Microsurgery*. 2020; Apr 25: Epub ahead of print. doi: <https://doi.org/10.1002/micr.30593>. [abstract available](#) #avance #axoguard nerve protector
121. Kuffler DP, Foy C. Restoration of neurological function following peripheral nerve trauma. *Int J Mol Sci*. 2020 Mar; 21(5): 1808. doi: 10.3390/ijms21051808. [full text available](#) #avance
120. Kessler RB, Thompson RG, Lourie GM. Cubital tunnel syndrome: A surgical modification to in situ decompression to improve results. *JSES Int*. 2020 Feb 29; 4(1): 15-20. doi: 0.1016/j.jseint.2019.11.004. [full text available](#) #axoguard nerve protector
119. Safa B, Jain S, Desai MJ, Greenberg JA, et al. Peripheral nerve repair throughout the body with processed nerve allografts: Results from a large multicenter study. *Microsurgery*. 2020; Feb 26: Epub ahead of print. doi: <https://doi.org/10.1002/micr.30574>. [full text available](#) #avance
118. Puente-Espel J, Chang J, Liu X, Riccio CA, et al. Cadaver nerve grafts – Past, preset, and future. *Ann Plast Surg*. 2020 Feb 5; Epub ahead of print. doi: 10.1097/SAP.0000000000002262. [full text available](#) #avance
117. Lauder A, Leversedge FJ. Long segment, mixed sensorimotor nerve reconstruction with allograft: A case report of high radial nerve injury. *JBJS Case Connect*. 2020 Jan-Mar; 10(1): e0207. doi: 10.2106/JBJS.CC.19.00207. [abstract available](#) #avance #axoguard nerve protector
116. Esquivel E, Cox C, Purcell A, MacKay B. Zone V extensor tendon repair with a palmaris longus tendon autograft and human umbilical membrane. *Case Rep Orthop*. 2020 Jan 3: 2759281. doi: 10.1155/2020/2759281. [full text available](#) #avance
115. Andrews JP, McDermott M, Jacques L. Lesser occipital nerve damage after retrosigmoid craniotomy repaired with processed nerve allograft. *Interdisciplinary Neurosurgery*. 2020; 19: 100592. doi: 10.1016/j.inat.2019.100592. [full text available](#) #avance
114. Eroglu U, Yakar F, Bozkurt M, Kahilogullari G, et al. Surgical results of the use of expanded polytetrafluor ethylene as an adhesion inhibitory membrane in anastomosis surgery for total peripheral nerve cut. *Indian J Surg*. 2020; Jan 10. doi: <https://doi.org/10.1007/s12262-020-02068-3>. [abstract available](#) #avance
113. Pan D, Mackinnon SE, Wood MD. Advances in the repair of segmental nerve injuries and trends in reconstruction. *Muscle Nerve*. 2019 Dec 27: Epub ahead of print. doi: 10.1002/mus.26797. [abstract available](#) #avance
112. Lans J, Baker D, Castelein R, Sood R, et al. Patient reported outcomes following surgical treatment of symptomatic digital neuromas. *Plast Reconstr Surg*. 2019 Dec 23: Epub ahead of print. doi: 10.1097/PRS.0000000000006552. [abstract available](#) #avance
111. Ducic I, Yoon J, Eberlin KR. Treatment of neuroma-induced chronic pain and management of nerve defects with processed nerve allograft. *Plast Reconstr Surg – Glob Open*. 2019 Dec 19; 7(12): p e2467. doi: 10.1097/GOX.0000000000002467. [full text available](#) #avance
110. Leckenby J, Furrer C, Haug L, Juon Personeni B, et al. A retrospective case series reporting the outcomes of Avance nerve allografts in the treatment of peripheral nerve injuries. *Plast Reconstr Surg*. 2019 Nov 25: Epub ahead of print. doi: 10.1097/PRS.0000000000006485. [abstract available](#) #avance
109. George JA, Davis TS, Brinton MR, Clark GA. Intuitive neuromyoelectric control of a detxtrous bionic arm using a modified Kalman filter. *J Neurosci Methods*. 2019 Nov 8; Epub ahead of print. doi: 10.1016/j.jneumeth.2019.108462. [full text available](#) #axoguard nerve protector
108. Kobraei EM, Dusch MN, Meisel EM, Stevanovic M. A novel method of treatment of macrodactyly with digital nerve resection and nerve allograft. *Plast Reconstr Surg – Glob Open*. 2019; 7(10): e2483. doi: 10.1097/GOX.0000000000002483. [full text available](#) #avance
107. Zeng W, Osterman M, Stern PJ. Inflammatory reactions to xenogenic nerve wraps. *JBJS Case Connector*. 2019; Volume 9(3): p e0302. doi: 10.2106/JBJS.CC.18.00302. [abstract available](#) #axoguard nerve protector
106. Wolkow N, Habib LA, Yoon MK, et al. Corneal neurotization: Review of a new surgical approach and its developments. *Semin in Ophthalmol*. 2019 Aug; Epub ahead of print. doi: 10.1080/08820538.2019.1648692. [abstract available](#) #avance
105. Peled AW, Peled ZM. Nerve preservation and allografting for sensory innervation following immediate breast reconstruction. *Plast Reconstr Surg – Glob Open*. 2019; 7 (7): e2332. doi: 10.1097/GOX.0000000000002332. [full text available](#) #avance
104. Tuffaha SH, Meaie JD, Moran SL. Direct muscle neurotization with long acellular nerve allograft: A case report. *Microsurgery*. 2019; Epub ahead of print. doi: <https://doi.org/10.1002/micr.30498>. [abstract available](#) #avance
103. Akbari M, Miloro M. The inferior alveolar nerve: To graft or not to graft in ablative mandibular resection? *J Oral Maxillofac Surg*. 2019 Jun; 77(6): 1280-1285. doi: 10.1016/j.joms.2019.01.008. [abstract available](#) #avance

102. Power HA, Fox IK, Kahn LC, Mackinnon SE. Restoration of sensation and thumb opposition using nerve transfers following resection of a synovial sarcoma of the median nerve. *J Hand Surg GO*. 2019; online only. doi: <https://doi.org/10.1016/j.jhsg.2019.05.004>. [full text available](#) #avance
101. McKee D, Osemwengie B, Cox C. Distal digital repair using nerve allograft with a dermal substitute: A case report. *Hand*. 2019; Epub ahead of print. doi: [10.1177/1558944719854169](https://doi.org/10.1177/1558944719854169). [abstract available](#) #avance
100. Kornfeld T, Vogt PM., Radtke C. Nerve grafting for peripheral nerve injuries with extended defect sizes. *Wien Med Wochenschr*. 2019; 169(9-10): 240-251. doi: [10.1007/s10354-018-0675-6](https://doi.org/10.1007/s10354-018-0675-6). [full text available](#) #avance
99. Herman ZU, Ilyas AM. Sensory outcomes in digital nerve repair techniques: An updated meta-analysis and systemic review. *Hand*. 2019; Epub ahead of print. doi: [10.1177/1558944719844346](https://doi.org/10.1177/1558944719844346). [abstract available](#) #avance
98. Bassilios Habre S, Googe BJ, Depew JB, et al. Depressor reanimation after facial nerve paralysis. *Ann Plast Surg*. 2019; 82(5): 582-590. doi: [10.1097/SAP.0000000000001616](https://doi.org/10.1097/SAP.0000000000001616). [abstract available](#) #avance
97. Rbia N, Bulstra LF, Saffari TM, et al. Collagen nerve conduits and processed nerve allografts for the reconstruction of digital nerve gaps: A single-institution case series and review of the literature. *World Neurosurg*. 2019; Epub ahead of print. doi: [10.1016/j.wneu.2019.04.087](https://doi.org/10.1016/j.wneu.2019.04.087). [abstract available](#) #avance
96. Regal S, Tang P. Surgical management of neuromas of the hand and wrist. *J Am Acad Orthop Surg*. 2019 May 15; 27(10): 356-363. doi: [10.5435/JAAOS-D-17-00398](https://doi.org/10.5435/JAAOS-D-17-00398). [abstract available](#) #avance
95. Mauch JT, Bae A, Shubinetz V, et al. A systemic review of sensory outcomes of digital nerve gap reconstruction with autograft, allograft, and conduit. *Ann Plast Surg*. 2019; 82 (4S): S247-S255. doi: [10.1097/SAP.0000000000001851](https://doi.org/10.1097/SAP.0000000000001851). [abstract available](#) #avance
94. Chaimanakarn S, Fooanant P, Mahardawi B, et al. Inferior alveolar and lingual nerves injury and repair: A literature review on microneurosurgery. *M Dent J*. 2019 April; 39(1): 41-52. [full text available](#) #avance #axoguard nerve connector
93. Leyngold IM, Yen MT, Tian J, et al. Minimally invasive corneal neurotization with acellular nerve allograft: Surgical technique and clinical outcomes. *Ophthalmic Plast Reconstr Surg*. 2019; 35(2): 133-140. doi: [10.1097/IOP.0000000000001181](https://doi.org/10.1097/IOP.0000000000001181). [abstract available](#) #avance
92. Safa B, Shores JT, Ingari JV, et al. Recovery of motor function after mixed and motor nerve repair with processed nerve allograft. *Plast Reconstr Surg – Glob Open*. 2019; 7(3): e2163. doi: [10.1097/GOX.0000000000002163](https://doi.org/10.1097/GOX.0000000000002163). [full text available](#) #avance
91. Chaudhry S, Ipaktchi KR, Ignatiuk A. Updates on the controversies related to the management of radial nerve injuries. *J Am Acad Orthop Surg*. 2019 Mar 15;27(6): e280-e284. doi: [10.5435/JAAOS-D-17-00325](https://doi.org/10.5435/JAAOS-D-17-00325). [full text available](#) #avance
90. Ducic I, Yoon J. Reconstructive Options for inferior alveolar and lingual nerve injuries after dental and oral surgery: An evidence-based review. *Ann Plast Surg*. 2019 Jan; Epub ahead of print. doi: [10.1097/SAP.0000000000001783](https://doi.org/10.1097/SAP.0000000000001783). [abstract available](#) #avance #axoguard nerve connector
89. Marschall JS, Flint RL, Kushner GM et al. Management of mandibular osteomyelitis with segmental resection, nerve preservation, and immediate reconstruction. *J Oral Maxillofac Surg*. 2019 Jan; Epub ahead of print. doi: [10.1016/j.joms.2019.01.036](https://doi.org/10.1016/j.joms.2019.01.036). [abstract available](#) #avance #axoguard nerve protector
88. Lauder A, Bently RC, Mithandi SK. Intraneural masson tumor of the hand. *Eplasty*. 2019; 19: ic9. [full text available](#) #axoguard nerve protector
87. Scott KL, Conley CR, Renfree KJ. Histopathologic evaluation of flexor tenosynovium in recurrent carpal tunnel syndrome. *Plast Reconstr Surg*. 2019 Jan; 143(1): 169-175. doi: [10.1097/PRS.0000000000005090](https://doi.org/10.1097/PRS.0000000000005090). [abstract available](#) #axoguard nerve protector
86. Freniere BB, Wenzinger E, Lans J, et al. Relocation nerve grafting: A technique for management of symptomatic digital neuromas. *J Hand Microsurg*. 2019; Epub ahead of print. doi: [10.1055/s-0038-1677320](https://doi.org/10.1055/s-0038-1677320). [abstract available](#) #avance
85. Challoner T, Nijran A, Power DM. The surgical management of traumatic neuromas. *J Musculoskelet Surg Res*. 2019; 3: 22-29. doi: [10.4103/jmsr.jmsr_81_18](https://doi.org/10.4103/jmsr.jmsr_81_18). [full text available](#) #avance #axoguard nerve protector
84. Dickson KE, Jordaan PW, Mohamed D, et al. Nerve allograft reconstruction of digital neuromata. *J Musculoskelet Surg Res*. 2019; 3: 116-122. doi: [10.4103/jmsr.jmsr_77_18](https://doi.org/10.4103/jmsr.jmsr_77_18). [full text available](#) #avance
83. Felder JM, Hill EJ, Power HA, et al. Cross-palm nerve grafts to enhance sensory recovery in severe ulnar neuropathy. *Hand*. 2019 Jan; Epub ahead of print. doi: [10.1177/1558944718822851](https://doi.org/10.1177/1558944718822851). [abstract available](#) #avance
82. Jones RD, Turner LC, Jimulia DT, et al. An iatrogenic tibial nerve injury in a patient following total ankle replacement. *J Musculoskelet Surg Res*. 2019; 3: 169-172. doi: [10.4103/jmsr.jmsr_85_18](https://doi.org/10.4103/jmsr.jmsr_85_18). [full text available](#) #avance
81. Jordaan PW, Uhiara O, Power D. Management of the scarred nerve using porcine submucosa extracellular matrix nerve wraps. *J Musculoskelet Surg Res* 2019; 3: 128-133. doi: [10.4103/jmsr.jmsr_69_18](https://doi.org/10.4103/jmsr.jmsr_69_18). [full text available](#) #axoguard nerve protector
80. Nassimizadeh M, Nassimizadeh AK, Power D. Managing the nerve gap: New tools in the peripheral nerve repair toolbox. *J Musculoskelet Surg Res*. 2019; 3: 4-8. doi: [10.4103/jmsr.jmsr_98_18](https://doi.org/10.4103/jmsr.jmsr_98_18). [full text available](#) #avance #axoguard nerve connector
79. Nijran A, Challoner T, Jordaan P, Power DM. The role of processed nerve allograft in peripheral nerve surgery. *J Musculoskelet Surg Res*. 2019; 3: 110-115. doi: [10.4103/jmsr.jmsr_86_18](https://doi.org/10.4103/jmsr.jmsr_86_18). [full text available](#) #avance
78. Van M, Jose RM, Power D. Failed carpal tunnel surgery: A guide to management. *J Musculoskelet Surg Res*. 2019; **3: 30-39. doi:** [10.4103/jmsr.jmsr_78_18](https://doi.org/10.4103/jmsr.jmsr_78_18). [full text available](#) #avance #axoguard nerve protector
77. Weller WJ. Emerging technologies in upper extremity surgery: Polyvinyl alcohol hydrogel implant for thumb carpometacarpal arthroplasty and processed nerve allograft and nerve conduit for digital nerve repairs. *Orthop Clin North Am*. 2019 Jan; 50(1): 87-93. doi: [10.1016/j.ocl.2018.08.011](https://doi.org/10.1016/j.ocl.2018.08.011). [abstract available](#) #avance

76. Martin AR, Gittings DJ, Levin LS, et al. Acute radial nerve repair with humeral shaft shortening and fixation following a closed humeral shaft fracture: A case report. *JBUS Case Connect.* 2018; 8(4): e109. doi: 10.2106/JBUS.CC.18.00074. [abstract available](#) #axoguard nerve protector
75. Wu F, Ng CY. Management of acute nerve injuries of the hand. *Ortho & Trauma.* 2018 Dec; E-pub ahead of print. doi: <https://doi.org/10.1016/j.mporth.2018.11.003>. [abstract available](#) #avance
74. Lioudaki E, Robiller S, Wenzel E, Mailaender P, et al. Novel treatment of a malignant peripheral nerve sheath tumor of the median nerve. *Plast Reconstr Surg Glob Open.* 2018 Dec; 6(12): e2011. doi: 10.1097/GOX.0000000000002011. [full text available](#) #avance
73. Ducic I, Yoon J, Momeni A, Ahcan U. Anatomical Considerations to Optimize Sensory Recovery in Breast Neurotization with Allograft. *Plast Reconstr Surg Glob Open.* 2018 Nov; 6(11): p e1985. doi: 10.1097/GOX.0000000000001985. [full text available](#) #avance #axoguard nerve connector
72. Eberlin KR, Ducic I. Surgical algorithm for neuroma management: A changing treatment paradigm. *Plast Reconstr Surg Glob Open.* 2018 Oct; 6(10): e1952. doi: 10.1097/GOX.0000000000001952. [full text available](#) #avance #axoguard nerve connector
71. Zhou A, Ducic I, Momeni A. Sensory restoration of breast reconstruction: The search for the ideal approach continues. *J Surg Oncol.* 2018 Oct; 11(5): 780-792. doi: 10.1002/jso.25223. [abstract available](#) #avance
70. Niquette CC, Miller KG. Multiple myeloma: The case for ORIF and inferior alveolar nerve grafting. *Oral & Maxillofac Surg Cases.* 2018 Oct; E-pub ahead of print. doi: <https://doi.org/10.1016/j.jomsc.2018.10.005>. [full text available](#) #avance #axoguard nerve connector
69. Azouz AM, Lucas HD, Mahabit RC, Noland SS. A survey of the prevalence and practice patterns of human acellular nerve allograft use. *Plast Reconstr Surg Glob Open.* 2018 Aug; 6(8): e1803. doi: 10.1097/GOX.0000000000001803. [full text available](#) #avance
68. Tessler O, Bourn L, Kudji J, Tender GC. Peroneal nerve repair of a 9 year old: Return of motor function after 2 years. *Plast Reconstr Surg Glob Open.* 2018 Jun; 6(6): e1835. doi: 10.1097/GOX.0000000000001835. [full text available](#) #avance #axoguard nerve protector
67. Carlson TL, Wallace RD, Konofaos P. Cadaveric nerve allograft: Single center's experience in a variety of peripheral nerve injuries. *Ann Plast Surg.* 2018 Jun; 80(6S): S238-S332. doi: 10.1097/SAP.0000000000001470. [abstract available](#) #avance
66. Bassilios Habre S, Depew JB, Wallace RD, Konofaos P. Painful neuroma treatment of the supraorbital nerve and forehead neurotization using human cadaveric nerve allograft. *J Craniofac Surg.* 2018 Jun; 29(4): 1023-1025. doi: 10.1097/SCS.0000000000004439. [abstract available](#) #avance
65. Cetrulo CL Jr, Li K, Salinas HM, Treiser MD, et al. Penis transplantation: First US experience. *Ann Surg.* 2018 May; 267(5): 983-988 doi: 10.1097/SLA.0000000000002241. [abstract available](#) #avance
64. Bibbo C, Rodrigues-Collazo E, Finzen AG. Superficial peroneal nerve to deep peroneal nerve transfer with allograft conduit for neuroma in continuity. *J Foot Ankle Surg.* 2018 May-Jun; 57(3): 514-517. doi: 10.1053/j.jfas.2017.11.022. [abstract available](#) #avance
63. Sarlabous M, Psutka DJ. Treatment of mandibular ameloblastoma involving the mandibular condyle: Resection and concomitant reconstruction with a custom hybrid total joint prosthesis and iliac bone graft. *J Craniofac Surg.* 2018 May; 29(3): e307-e314. doi: 10.1097/SCS.0000000000004362. [full text available](#) #avance
62. Wright L, Bauer TW, Seitz WH. Segmental schwannomatosis of the upper extremity: Case report and review of the literature. *Plast Surg Case Studies.* 2018 Apr. doi: <https://doi.org/10.1177/2513826X18769466>. [full text available](#) #axoguard nerve protector
61. Jones PE, Meyer RM, Faillace WJ, et al. Combat injury of the sciatic nerve – An institutional experience. *Mil Med.* 2018; 183(9-10): e434-e441. doi: <https://doi.org/10.1093/milmed/usy030>. [full text](#) #avance
60. Dy CJ, Aunins B, Brogan DM. Barriers to epineural scarring: Role in treatment of traumatic nerve injury and chronic compressive neuropathy. *J Hand Surg Am.* 2018 Apr; 43(4): 360-367. doi: 10.1016/j.jhssa.2018.01.013. [abstract available](#) #axoguard nerve protector
59. Bi A, Park E, Dumanian GA. Treatment of painful nerves in the abdominal wall using processed nerve allografts. *Plast Reconstr Surg Glob Open.* 2018 Mar; 6(3): e1670. doi: 10.1097/GOX.0000000000001670. [full text available](#) #avance
58. Bassilios Habre S, Bond G, Jing XL, et al. The surgical management of nerve gaps: Present and future. *Ann Plast Surg.* 2018 Mar; 80(3): 252-261. doi: 10.1097/SAP.0000000000001252. [abstract available](#) #avance
57. Ogradink J. Superficial peroneal nerve injured during fasciotomy: A successful repair with cadaveric nerve allograft. *Am Surg.* 2018 Feb 1; 84(2): e59-60. [link available](#) #avance
56. Isaacs J, Safa B. A preliminary assessment of the utility of large-caliber processed nerve allografts for the repair of upper extremity nerve injuries. *Hand.* 2017; 12(1): 55-59. doi: 10.1177/1558944716646782. [abstract available](#) #avance
55. Zuniga JR, Williams F, Petrisor D. A case-and-control, multi-site, positive controlled, prospective study of the safety and effectiveness of immediate inferior alveolar nerve processed nerve allograft reconstruction with ablation of the mandible for benign pathology. *J Oral Maxillofac Surg.* 2017 Dec; 75(12): 2669-2681. doi: doi.org/10.1016/j.joms.2017.04.002. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector
54. Bulic K, Antabak A, Dujmovic A, et al. Bilateral leg replantation in a 3-month-old baby after a knee level crush amputation: A 2-year follow-up. *Ann Plast Surg.* 2017 Mar; 78(3): 304-306. doi: 10.1097/SAP.0000000000000965. [abstract available](#) #avance
53. Miloro M, Markiewicz MR. Virtual surgical planning for inferior alveolar nerve reconstruction. *J Oral Maxillofac Surg.* 2017 Nov; 75(11): 2442-2448. doi: doi.org/10.1016/j.joms.2017.04.001. [full text available](#) #avance #axoguard nerve protector #axoguard nerve connector
52. Yampolsky A, Ziccardi V, Chuang SK. Efficacy of acellular nerve allografts in trigeminal nerve reconstruction. *J Oral Maxillofac Surg.* 2017 Oct; 75(10): 2230-2234. doi: 10.1016/j.joms.2017.02.015. [abstract available](#) #avance #axoguard nerve protector

51. Roettges P, Turker T. Ulnar nerve injury as a result of Galeazzi fracture: A case report and literature review. *Hand*. 2017 Sept; 12(5): NP162-NP165. doi <https://doi.org/10.1177/1558944717715137>. [abstract available](#) #avance
50. Rodriguez-Collazo E, Medina E, Maymi A, et al. Treating post-traumatic lower extremity end neuroma formation: A novelty approach. *J Ortho Trauma Surg and Related Res*. 2017 Aug; 12(2): 52-55. [full text available](#) #avance
49. Battiston B, Titolo P, Ciclamini D, et al. Peripheral nerve defects: Overview of practice in Europe. *Hand Clin*. 2017 Aug; 33(3): 545-550. doi: 10.1016/j.hcl.2017.04.005. [abstract available](#) #avance
48. Tursun R, Green JM. Immediate microsurgical bone and nerve reconstruction in the irradiated patient: A case report. *J Oral Maxillofac Surg*. 2017 June; 75(6): 1302.e1-1302.e7. doi: <https://doi.org/10.1016/j.joms.2016.12.006>. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector
47. Rinker BD, Zoldos J, Weber RV, et al. Use of processed nerve allografts to repair nerve injuries greater than 25 mm in the hand. *Ann Plast Surg*. 2017 Jun; 78(6S Suppl 5): S292-S295. doi: 10.1097/SAP.0000000000001037. [abstract available](#) #avance
46. Rbia N, Shin AY. The role of nerve graft substitutes in motor and mixed motor/sensory peripheral nerve injuries. *J Hand Surg Am*. 2017 May; 42(5): 367-377. doi: 10.1016/j.jhssa.2017.02.017. [abstract available](#) #avance
45. Wilson MT, Chuang SK, Ziccardi VB. Lingual nerve microsurgery outcomes using 2 different conduits: A retrospective cohort study. *J Oral Maxillofac Surg*. 2017 Mar; 75(3): 609-615. doi: 10.1016/j.joms.2016.09.022. [abstract available](#) #axoguard nerve connector
44. Jamal BT. Decellularized human nerve graft in allogenic reconstruction of inferior alveolar nerve injury: A case report. *J Clin Case Stu*. 2017 March; 2(2): doi <http://dx.doi.org/10.16966/2471-4925.140>. [full text available](#) #avance
43. Bibbo C, Rodriguez-Colazzo E. Nerve transfer with entubulated nerve allograft transfers to treat recalcitrant lower extremity neuromas. *J Foot Ankle Surg*. 2017 Jan-Feb; 56(1): 82-86. doi: 10.1053/j.jfas.2016.09.005. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector
42. Ducic I, Safa B, DeVinney E. Refinements of nerve repair with connector-assisted coaptation. *Microsurg*. 2017; 37(3): 256-263. doi: 10.1002/micr.30151. [abstract available](#) #axoguard nerve connector
41. Means KR, Rinker BD, Higgins JP, et al. A multicenter prospective randomized pilot study of outcomes for digital nerve repair in the hand using hollow conduit compared with processed allograft nerve. *Hand*. 2016 Jun; 11(2): 144-51. doi: 10.1177/1558944715627233. [abstract available](#) #avance
40. Zuniga J, Yates DM. Factors determining outcome after trigeminal nerve surgery for neuropathic pain. *J Oral Maxillofac Surg*. 2016 Jul; 74(7): 1323-1329. doi: 10.1016/j.joms.2016.02.005. [full text available](#) #avance #axoguard nerve protector
39. Kokkalis ST, Mavrogenis AF, Vottis C, et al. Median nerve biodegradable wrapping: Clinical outcome of 10 patients. *Acta Orthop Belg*. 2016 Aug; 82(2): 351-357. [abstract available](#) #axoguard nerve protector
38. Salomon D, Miloro M, Kolokythas A. Outcomes of immediate allograft reconstruction of long-span defects of the inferior alveolar nerve. *J Oral Maxillofac Surg*. 2016 Dec; 74(12): 2507-2514. doi: 10.1016/j.joms.2016.05.029. [full text available](#) #avance #axoguard nerve protector
37. Souza JM, Purnell CA, Cheesborough JE, et al. Treatment of foot and ankle neuroma pain with processed nerve allografts. *Foot Ankle Int*. 2016; 37(10): 1098-1105. doi: 10.1177/1071100716655348. [full text available](#) #avance
36. Sosin M, Weiner LA, Robertson BC, et al. Treatment of a recurrent neuroma within nerve allograft with autologous nerve reconstruction. *Hand*. 2016; 11(2): NP5-9. doi: 10.1177/1558944715627627. [full text available](#) #avance #axoguard nerve protector
35. Parker RG, Merced-O'Neill O. Management of painful recurrent intermetatarsal neuroma using processed porcine extracellular matrix material: A case report. *Clin Podiatr Med Surg*. 2016 Apr; 33(2): 235-42. doi: <https://doi.org/10.1016/j.cpm.2015.11.001> [abstract available](#) #axoguard nerve protector
34. Safa B, Buncke G. Autograft substitutes: Conduits and processed nerve allografts. *Hand Clin*. 2016; 32(2): 127-40. doi: 10.1016/j.hcl.2015.12.012. [abstract available](#) #avance
33. Theberge NP, Ziccardi VB. Use of fibrin glue as an adjunct in the repair of lingual nerve injury: Case report. *J Oral Maxillofac Surg*. 2016 Sep; 74(9): 1899.e1-4. doi: 10.1016/j.joms.2016.04.027. [abstract available](#) #axoguard nerve connector
32. Rinker BD, Ingari JV, Greenberg JA, et al. Outcomes of short-gap sensory nerve injuries reconstructed with processed nerve allografts from a multicenter registry study. *J Reconstru Microsurg*. 2015 Jun; 31(5): 384-90. doi: 10.1055/s-0035-1549160. [abstract available](#) #avance
31. Miloro M, Ruckman P, Kolokythas A. Lingual nerve repair: To graft or not to graft? *J Oral Maxillofac Surg*. 2015; 73(9): 1844-1850. doi: [dx.doi.org/10.1016/j.joms.2015.03.018](https://doi.org/10.1016/j.joms.2015.03.018). [abstract available](#) #avance
30. Zuniga J. Sensory outcomes after reconstruction of lingual and inferior alveolar nerve discontinuities using processed nerve allograft – A case series. *J Oral Maxillofac Surg*. 2015 Apr; 73(4): 734-44. doi: 10.1016/j.joms.2014.10.030. [full text available](#) #avance #axoguard nerve protector
29. Henry M. Management of iatrogenic ulnar nerve transection. *J Hand Microsurg*. 2015 Jun; 7(1): 173-6. doi: 10.1007/s12593-014-0141-7. [abstract available](#) #avance
28. Kaushik AP, Hammert WC. Options for digital nerve gap. *J Hand Surg Am*. 2015; 40(1):141-4. doi: 10.1016/j.jhssa.2014.09.022. [full text available](#) #avance
27. Moore AM, Wagner IJ, Fox IK. Principles of nerve repair in complex wounds of the upper extremity. *Semin Plast Surg*. 2015; 29 (1): 40-7. doi: 10.1055/s-0035-1544169. [full text available](#) #avance

26. Deslivia MF, Lee H-J, Adikrishna A, et al. Decellularized nerves for upper limb nerve reconstruction: A systematic review of functional outcomes. *J Reconstr Microsurg.* 2015; 31(9): 660-667. doi: 10.1055/s-0035-1558463. [abstract available](#) #avance
25. Tang P, Chauhan A. Decellular nerve allografts. *J Am Acad Orthop Surg.* 2015; 23(11): 641-647. doi: 10.5435/JAAOS-D-14-00373. [full text available](#) #avance
24. Halsey JN, Therattil PU, Viviano SL, Fleegler EJ, et al. Bowler's thumb: Case report and review of the literature. *Eplasty.* 2015; 15: e47. [full text available](#) #axoguard nerve protector
23. Papatheodorou LK, Williams BG, Sotereanos DG. Preliminary results of recurrent cubital tunnel syndrome treated with neurolysis and porcine extracellular matrix nerve wrap. *J Hand Surg Am.* 2015; 40(5): 987-992. doi: 10.1016/j.jhssa.2015.02.031. [abstract available](#) #axoguard nerve protector
22. Fleming ME, Bharmal H, Valerio I. Regenerative medicine applications in combat casualty care. *Regen Med.* 2014; 9(2): 179-190. doi: 10.2217/rme.13.96. [abstract available](#) #avance
21. Isaacs J, Browne T. Overcoming short gaps in peripheral nerve repair: Conduits and human acellular nerve allograft. *Hand.* 2014; 9(2): 131-137. doi: 10.1007/s11552-014-9601-6. [abstract available](#) #avance
20. Isaacs J, McMurtry J. Different nerve grafting and wrapping options in upper extremity surgery. *Current Ortho Practice.* 2014; 25(5): 456-461. doi: 10.1097/BCO.000000000000146. [abstract available](#) #avance #axoguard nerve connector #axoguard nerve protector
19. Pederson WC. Median nerve injury and repair. *J Hand Surg Am.* 2014; 39(6): 1216-22. doi: 10.1016/j.jhssa.2014.01.025 [abstract available](#) #avance
18. Rinker B, Vyas KS. Clinical applications of autografts, conduits, and allografts in repair of nerve defects in the hand: Current guidelines. *Clin Plast Surg.* 2014; 41(3): 533-550. doi: 10.1016/j.cps.2014.03.006. [abstract available](#) #avance
17. Sachanandani NF, Pothula A, Tung TH. Nerve gaps. *Plast Reconstr Surg.* 2014; 133(2): 313-319. doi: 10.1097/01.prs.0000436856.55398. [abstract available](#) #avance
16. Slutsky DJ. The management of digital nerve injuries. *J Hand Surg Am.* 2014; 39(6): 1208-1215. doi: 10.1016/j.jhssa.2013.12.012. [abstract available](#) #avance
15. Guo Y, Chen G, Tian G, Tapia C. Sensory recovery following decellularized nerve allograft transplantation for digital nerve repair. *J Plast Surg Hand Surg.* 2013 Dec; 47 (6): 451-453. doi: 10.3109/2000656X.2013.778862. [abstract available](#) #avance
14. Taras JS, Amin P, Patel N, McCabe LA. Allograft reconstruction for digital nerve loss. *J Hand Surg Am.* 2013 Oct; 38(10): 1965-1971. doi: 10.1016/j.jhssa.2013.07.008. [abstract available](#) #avance
13. Berrocal YA, Almeida VW, Levi AD. Limitations of nerve repair of segmental defects using acellular conduits. *J Neurosurg.* 2013; 119(3): 733-738. doi: 10.3171/2013.4.JNS121938. [abstract available](#) #avance
12. Peled ZM. Treatment of a patient with small fiber pathology using nerve biopsy and grafting: A case report. *J Reconstr Microsurg.* 2013; 29(8): 551-554. doi: 10.1055/s-0033-1349756. [abstract available](#) #avance
11. Isaacs J. Major peripheral nerve injuries. *Hand Clin.* 2013; 29 (3): 371-382. doi: 10.1016/j.hcl.2013.04.006. [abstract available](#) #avance #axoguard nerve connector
10. Lin MY, Manzano G, Gupta R. Nerve allografts and conduits in peripheral nerve repair. *Hand Clin.* 2013; 29(3): 331-348. doi: 10.1016/j.hcl.2013.04.003. [abstract available](#) #avance
9. Meyer RA, Bagheri SC. Microsurgical reconstruction of the trigeminal nerve. *Oral Maxillofac Surg Clin North Am.* 2013 May; 25(2): 287-302. doi: 10.1016/j.coms.2013.01.002. [abstract available](#) #avance
8. Brooks DN, Weber RV, Chao JD, et al. Processed nerve allografts for peripheral nerve reconstruction: A multicenter study of utilization and outcomes in sensory, mixed, and motor nerve reconstructions. *Microsurgery.* 2012 Jan; 32(1): 1-14. doi: 10.1002/micr.20975. [abstract available](#) #avance
7. Cho MS, Rinker BD, Weber RV, et al. Functional outcome following nerve repair in the upper extremity using processed nerve allograft. *J Hand Surg Am.* 2012 Nov; 37(11): 2340-2349. doi: 10.1016/j.jhssa.2012.08.028. [abstract available](#) #avance
6. Ducic I, Fu R, Iorio ML. Innovative treatment of peripheral nerve injuries: Combined reconstructive concepts. *Ann Plast Surg.* 2012 Feb; 68(2): 180-187. doi: 10.1097/SAP.0b013e3182361b23. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector
5. Abzug JM, Jacoby SM, Osterman AL. Surgical options for recalcitrant carpal tunnel syndrome with perineural fibrosis. *Hand (N Y).* 2012; 7(1): 23-29. doi: 10.1007/s11552-012-9391-7. [abstract available](#) #axoguard nerve protector
4. Kale SS, Glaus SW, Yee A, et al. Reverse end-to-side nerve transfer: From animal model to clinical use. *J Hand Surg Am.* 2011; 36 (10): 1631-1639. doi: 10.1016/j.jhssa.2011.06.029. [abstract available](#) #avance
3. Shanti RM, Ziccardi VB. Use of decellularized nerve allograft for inferior alveolar nerve reconstruction: A case report. *J Oral Maxillofac Surg.* 2011; 69(2): 550-553. doi: 10.1016/j.joms.2010.10.004. [abstract available](#) #avance
2. Wolfard LM, Rodrigues DB. Autogenous grafts/allografts/conduits for bridging peripheral trigeminal nerve gaps. *Atlas Oral Maxillofacial Surg Clin N Am.* 2011; 19(9): 91-107. doi: 10.1016/j.cxom.2010.11.008. [abstract available](#) #avance
1. Karabekmez FE, Duymaz A, Moran SL. Early clinical outcomes with the use of decellularized nerve allograft for repair of sensory defects within the hand. *Hand.* 2009 Sep; 4(3): 245-249. doi: 10.1007/s11552-009-9195-6. [abstract available](#) #avance



Axogen Clinical Bibliography

© 2021 Axogen Corporation. Avance Nerve Graft, Avive Soft Tissue Membrane, Axoguard Nerve Protector, and Axoguard Nerve Connector are trademarks of Axogen Corporation. Axoguard Nerve Connector and Axoguard Nerve Protector are manufactured in the United States by Cook Biotech Incorporated, West Lafayette, Indiana.