

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 Axoguard Nerve Cap® 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.

245. Ansari-pour A, Thompson A, Styron JF, Javanbakht M. Cost-effectiveness analysis of Avance® allograft for the treatment of peripheral nerve injuries in the USA. *J Comp Eff Res.* 2024; 13(1): e230113. doi:10.57264/ceer-2023-0113 [full text available](#) #avance
244. Chi D, Johnson AR, Mackinnon SE. Limited recovery following acellular nerve allograft reconstruction in major peripheral nerve injuries. *Plastic and Aesthetic Research.* 2023; 10: 70. doi:10.20517/2347-9264.2023.89 [full text available](#) #avance
243. Jacobs T, Mohammed S, Ziccardi V. Assessing the efficacy of allogeneic nerve grafts in trigeminal nerve repair: A systematic review. *J Oral Maxillofac Surg.* Published online December 16, 2023. doi:10.1016/j.joms.2023.12.006 [abstract available](#) #avance
242. Miloro M, Callahan NF, Markiewicz MR, Kolokythas A, Moles SL, Chakraborty K. Immediate inferior alveolar nerve reconstruction with ablative mandibular resection results in functional sensory recovery. *J Oral Maxillofac Surg.* 2024; 82(1): 126-133. doi:10.1016/j.joms.2023.09.025 [abstract available](#) #avance #axoguard nerve connector #axoguard nerve protector
241. Panesar K, Markiewicz MR, Best D, Lee KC, Edwards S, Susarla SM. Pediatric mandibular reconstruction. *Atlas Oral Maxillofac Surg Clin North Am.* 2023; 31(2): 177-186. doi:10.1016/j.cxom.2023.04.002 [abstract available](#) #avance
240. Peled AW, von Eyben R, Peled ZM. Sensory outcomes after neurotization in nipple-sparing mastectomy and implant-based breast reconstruction. *Plast Reconstr Surg Glob Open.* 2023; 11(12): e5437. doi:10.1097/GOX.0000000000005437 [full text available](#) #avance #axoguard nerve connector
239. Schnack LL, Rodriguez-Collazo ER, Oexeman SA, Costa AJ. The reset neurotomy within a nonidentifiable zone of injury after trauma. *Plast Reconstr Surg Glob Open.* 2023; 11(10): e5316. doi:10.1097/GOX.0000000000005316 [full text available](#) #avance #axoguard nerve connector
238. Tan RES, Jeyaratnam S, Lim AYT. Updates in peripheral nerve surgery of the upper extremity: diagnosis and treatment options. *Ann Transl Med.* 2023; 11(11): 391. doi:10.21037/atm-23-1500 [full text available](#) #avance
237. Yépez FDG, Bobrowski AN, Pagnoncelli RM. Neurosensory recovery of inferior alveolar nerve gap reconstruction: a systematic review. *Br J Oral Maxillofac Surg.* Published online November 5, 2023. doi:10.1016/j.bjoms.2023.10.020 [abstract available](#) #avance
236. Isaacs J, Nydick JA, Means KR, Merrell GA, Ilyas A, Levin LS, RECON Study Group. A multicenter prospective randomized comparison of conduits versus decellularized nerve allograft for digital nerve repairs. *J Hand Surg Am.* 2023; 48(9): 904-913. doi:10.1016/j.jhssa.2023.05.020 [full text available](#) #avance
235. Hwang CD, Chegireddy V, Remy K, Irwin TJ, Valerio IL, Gfrerer L, Austen Jr WG. The use of nerve caps after nerve transection in headache surgery: Cadaver and case reports. *Plast Reconstr Surg Glob Open.* 2023; 11(9): e5234. doi:10.1097/GOX.0000000000005234 [full text available](#) #axoguard nerve cap
234. Zuniga JR, Kim RY, Miloro M, Petrisor D, Marwan H, Young S, Hernandex-Nuno de la Rosa MF, OMS Nerve Research Collaborative. Does immediate long-span nerve allograft reconstruction affect the incidence of chronic postsurgical and neuropathic pain in the reconstructed mandible following resection for benign and malignant disease: OMS Nerve Research Collaborative [published online ahead of print, 2023 Sep 12]. *J Oral Maxillofac Surg.* 2023; S0278-2391(23)01096-0. doi:10.1016/j.joms.2023.09.004 [abstract available](#) #avance
233. Lin JS, Jain SA. Challenges in Nerve Repair and Reconstruction. *Hand Clin.* 2023; 39(3): 403-415. doi:10.1016/j.hcl.2023.05.001 [abstract available](#) #avance
232. Bubberman JM, Van Rooij JAF, Van der Hulst RRWJ, Tuinder SMH. Sensory recovery and the role of innervated flaps in autologous breast reconstruction-a narrative review. *Gland Surg.* 2023; 12(8): 1094-1109. doi:10.21037/gs-23-40 [full text available](#) #avance
231. Ammanuel S, Burkett D, Kim JJ, Bond ES, Hanna AS. Peroneal nerve repair with cross-bridge ladder technique: Parallel end-to-side neurotorrhaphies. *J Brachial Plex Peripher Nerve Inj.* 2023; 18(1): e21-e26. doi:10.1055/s-0043-1768996 [full text available](#) #avance
230. Bell JA, Trotter C, Gittings D, Schur M, Mohty KM, Lefebvre R, Stevanovic M. Neuroma treatment with the acellular nerve allograft reconstruction technique. *Cureus.* 2023; 15(5): e39567. doi:10.7759/cureus.39567 [full text available](#) #avance
229. El-Gammal YT, Cardenas-Mateus L, Tsai TM. Outcomes of surgical treatment of peripheral neuromas of the hand and forearm. *J Brachial Plex Peripher Nerve Inj.* 2023; 18(1): e6-e9. doi:10.1055/s-0043-1767673 [full text available](#) #avance
228. Frostadottir D, Chemnitz A, Johansson Ot LJ, Holst J, Dahlin LB. Evaluation of processed nerve allograft in peripheral nerve surgery: A systematic review and critical appraisal. *Plast Reconstr Surg Glob Open.* 2023; 11(6): e5088. doi:10.1097/GOX.0000000000005088 [full text available](#) #avance

227. Itoh M, Itou J, Imai S, Okazaki K, Iwasaki K. A survey on the usage of decellularized tissues in orthopaedic clinical trials. *Bone Joint Res.* 2023; 12(3): 179-188. doi:10.1302/2046-3758.123.BJR-2022-0383.R1 [full text available](#) #avance
226. Lu Wang M, Qin N, Chadab TM, Chen Y, Huang H, Ellison A, Otterburn DM. A pilot study comparing sensation in buried versus nonburied deep inferior epigastric perforator flaps. *Ann Plast Surg.* 2023; 90(6S Suppl 5): S574-S577. doi:10.1097/SAP.0000000000003530 [abstract available](#) #avance
225. Lu Wang M, Qin N, Chen Y, De Freitas D, Huang H, Ellison A, Otterburn DM. A comparative analysis of sensory return in delayed-immediate versus immediate neurotized deep inferior epigastric perforator flap breast reconstruction [published online ahead of print, 2023 Mar 15]. *Ann Plast Surg.* 2023; 10.1097/SAP.0000000000003533. doi:10.1097/SAP.0000000000003533 [abstract available](#) #avance
224. Miloro M, Callahan N, Markiewicz MR. Neurosensory reconstruction of the mandible: Technical aspects. *Atlas Oral Maxillofac Surg Clin North Am.* 2023; 31(2): 129-136. doi: 10.1016/j.cxom.2023.04.009 [abstract available](#) #avance #axoguard nerve connector #axoguard nerve protector
223. Raizman NM, Endress RD, Styron JF, Emont SL, Cao Z, Park LI, Greenberg JA. Procedure costs of peripheral nerve graft reconstruction. *Plast Reconstr Surg Glob Open.* 2023; 11(4): e4908. doi:10.1097/GOX.0000000000004908 [full text available](#) #avance
222. Titolo P, Fanecco A. The treatment of nerve defects. *Plast Aesthet Res* 2023; 10: 21. doi: 10.20517/2347-9264.2022.113 [full text available](#) #avance
221. Weber MB, Isaacs JE. Digital nerve injury: Assessment and treatment. *J Am Acad Orthop Surg.* 2023; 31(15): 802-812. doi:10.5435/JAAOS-D-23-00255 [abstract available](#) #avance
220. Kaplan J, Lee ZH, Grome L, et al. Sensory outcomes for inferior alveolar nerve reconstruction with allograft following free fibula mandible reconstruction. *Plast Reconstr Surg.* 2023; 152(3): 499e-506e. doi:10.1097/PRS.0000000000010286 [abstract available](#) #avance #axoguard nerve connector
219. Palla B, Van der Cruyssen F, Huang Y, Miloro M. Is surgical repair with nerve allograft more cost-effective than non-surgical management for persistent trigeminal neuropathy? Initial assessment with Markov model. *J Oral Maxillofac Surg.* 2023; 81(6): 674-683. doi:10.1016/j.joms.2023.02.009 [abstract available](#) #avance
218. Miranda SP, Nguyen J, Gu BJ, Ali ZS, Zager EL. Allograft nerve repair to prevent sensorimotor loss after nerve sheath tumor resection. *Neurosurg Focus Video.* 2023; 8(1): V16. doi: 10.3171/2022.10.FOCVID22101 [full text available](#) #avance
217. O'Neill RC, Spiegel AJ. Modern approaches to breast neurotization. *Clin Plast Surg.* 2023; 50(2):3 47-355. doi: 10.1016/j.cps.2022.10.003 [abstract available](#) #avance
216. Dragnea DC, Krolo I, Koppen C, Faris C, Van den Bogerd B, Ni Dhubhghaill S. Corneal neurotization- Indications, surgical techniques and outcomes. *J Clin Med.* 2023; 12(6): 2214. doi: 10.3390/jcm12062214 [full text available](#) #avance
215. Lans J, Eberlin KR, Evans PJ, Mercer D, Greenberg JA, Styron JF. A systematic review and meta-analysis of nerve gap repair: Comparative effectiveness of allografts, autografts, and conduits. *Plast Reconstr Surg.* 2023; 151(5): 814e-827e. doi:10.1097/PRS.0000000000010088 [full text available](#) #avance
214. Djohan R, Scomacao I, Duraes EFR, Knackstedt R, Mangan R, Schwarz G. Sensory restoration in abdominally based free flaps for breast reconstruction using nerve allograft. *Plast Reconstr Surg.* 2023; 151(1): 25-33. doi:10.1097/PRS.0000000000009773 [abstract available](#) #avance #axoguard nerve protector
213. Chou J, Liston JM, DeGeorge BR. Traditional neuroma management strategies: A systematic review. *Ann Plast Surg.* 2023; 90(6S Suppl 4): S350-S355. doi:10.1097/SAP.0000000000003342 [abstract available](#) #avance
212. Saad S, Labani S, Goemaere I, Cuyabere R, Borderie M, Borderie V, Benkhatar H, Bouheraoua N. Corneal neurotization in the management of neurotrophic keratopathy: A review of the literature. *J Fr Ophthalmol.* 2023; 46(1): 83-96. doi:10.1016/j.jfo.2022.09.007 [abstract available](#) #avance
211. Matus G, Aravena JP, Mariño D, Niklander SE. Decellularized allografts as an alternative for reconstruction of large inferior alveolar nerve defects: a systematic review. *Med Oral Patol Oral Cir Bucal.* 2023; 28(2): e183-e190. doi:10.4317/medoral.25647 [full text available](#) #avance
210. Peters BR, Wood MD, Hunter DA, Mackinnon SE. Acellular nerve allografts in major peripheral nerve repairs: An analysis of cases presenting with limited recovery. *Hand (N Y).* 2023; 18(2): 236-243. doi:10.1177/15589447211003175. [abstract available](#) #avance
209. Harish V, Haffner ZK, Bekeny JC, Sayyed AA, Song DH, Fan KL. Preserving nipple sensitivity after breast cancer surgery: a systematic review and meta-analysis. *Breast J.* 2022; 2022: 9654741. doi:10.1155/2022/9654741 [full text available](#) #avance

208. Daifallah TA, Tay ABG, Zuniga JR. Nerve harvest and repair. *Atlas of Operative Oral and Maxillofacial Surgery*, edited by C.J. Haggerty and R.M. Laughlin, John Wiley & Sons, Inc., 2022, pp. 924-943. doi.org/10.1002/9781119683957.ch75 [abstract available](#) #avance #axoguard nerve connector #axoguard nerve protector
207. Pu JJ, Hakim SG, Melville JC, Su YX. Current trends in the reconstruction and rehabilitation of jaw following ablative surgery. *Cancers (Basel)*. 2022; 14(14): 3308. doi:10.3390/cancers14143308 [full text available](#) #avance
206. Abbas F, Klomparens K, Simman R. Functional and psychosocial outcomes following innervated breast reconstruction: A systematic review. *Plast Reconstr Surg Glob Open*. 2022; 10(9): e4559. doi:10.1097/GOX.0000000000004559 [full text available](#) #avance
205. Sarcon AK, Li NY, Houdek MT, Moran SL. Restoration of hamstring function following sciatic nerve resection at the greater sciatic foramen with reconstruction involving acellular nerve allograft and vascularized sural nerve autograft: A case report. *Microsurgery*. 2022; 42(8): 824-828. doi:10.1002/micr.30970 [abstract available](#) #avance
204. Sun S, Lu D, Zhong H, Li C, Yang N, Huang B, Ni S, Li X. Donors for nerve transplantation in craniofacial soft tissue injuries. *Front Bioeng Biotechnol*. 2022; 10: 978980. doi:10.3389/fbioe.2022.978980 [full text available](#) #avance
203. Nuelle JAV, Bozynski C, Stoker A. Innovations in peripheral nerve injury: Current concepts and emerging techniques to improve recovery. *Mo Med*. 2022; 119(2): 129-135. [full text available](#) #avance
202. Thomajan CH. A method for entubulating exposed nerve ends following neurectomy using a porcine extracellular matrix nerve cap. *Foot Ankle Spec*. 2022; 19386400221106642. doi:10.1177/19386400221106642 [full text available](#) #axoguard nerve cap
201. Peled AW, Peled ZM. Sensory reinnervation after mastectomy with implant-based reconstruction. *Ann Breast Surg*. 2022; 6: 27. doi:10.21037/abs-21-9 [full text available](#) #avance #axoguard nerve connector
200. Langeveld M, Hundepool CA, Duraku LS, Power DM, Rajaratnam V, Zuidam JM. Surgical treatment of peripheral nerve neuromas: A systematic review and meta-analysis. *Plast Reconstr Surg*. 2022; 150(4): 823e-834e. doi:10.1097/PRS.0000000000009545 [abstract available](#) #avance
199. Gfrerer L, Sager JE, Ford OA, Carty MJ, Verdial FC, Gadd MA, Specht MC, Winograd JM, Valerio IL. Targeted nipple areola complex reinnervation: Technical considerations and surgical efficiency in implant-based breast reconstruction. *Plast Reconstr Surg Glob Open*. 2022; 10(7): e4420. doi:10.1097/GOX.0000000000004420 [full text available](#) #avance
198. Carrau D, Del Pinto Z, Carraher A, Chetta MD. Breast reinnervation – the next frontier in autologous breast reconstruction: a review of early results. *Ann Breast Surg*. 2022; 6: 14. doi:10.21037/abs-20-146 [full text available](#) #avance #axoguard nerve connector
197. Shiah E, Laikhter E, Comer CD, Manstein SM, Bustos VP, Bain PA, Lee BT, Lin SJ. Neurotization in innervated breast reconstruction: A systematic review of techniques and outcomes. *J Plast Reconstr Aesthet Surg*. 2022; S1748-6815(22)00321-7. doi:10.1016/j.bjps.2022.06.006 [full text available](#) #avance
196. Kim JS, Tian J, Gross A, Aggarwal S, May L, Leyngold IM. Peripheral neurectomy with customized nerve reconstruction for periorbital neuropathic pain: initial experience and clinical outcomes. *Ophthalmic Plast Reconstr Surg*. 2022; 10.1097/IOP.0000000000002210. doi:10.1097/IOP.0000000000002210 [abstract available](#) #avance #axoguard nerve connector
195. Rathi A, Bothra N, Priyadarshini SR, Achanta DSR, Fernandes M, Murthy SI, Kapoor AG, Dave TV, Rath S, Yellinedi R, Nuvvula R, Dendukuri G, Naik MN, Ramappa M. Neurotization of the human cornea - A comprehensive review and an interim report. *Indian J Ophthalmol*. 2022; 70(6): 1905-1917. doi:10.4103/ijo.IJO_2030_21 [full text available](#) #avance
194. Koenig ZA, Burns JC, Hayes JD. Necrotic granulomatous inflammation after use of small intestine submucosa matrix for recurrent compression neuropathy. *Plast Reconstr Surg Glob Open*. 2022; 10(6): e4378. doi:10.1097/GOX.0000000000004378 [full text available](#) #axoguard nerve protector
193. Buncke G. Peripheral nerve allograft: how innovation has changed surgical practice. *Plast Aesthet Res*. 2022; 9(38). doi: 10.20517/2347-9264.2022.08. [full text available](#) #avance #axoguard nerve connector
192. Rambau GM, Victoria C, Hayden ME, Day J, Ellis SJ, Lee SK. Treatment of painful lower extremity neuromas with processed nerve allograft. *Bull Hosp Jt Dis*. 2022; 80(2): 218-223. [full text available](#) #avance
191. Imran R, George S, Jose R, Shirley C, Power DM. Clinical outcomes following neurolysis and porcine collagen extracellular matrix wrapping of scarred nerves in revision carpal tunnel decompression. *J Plast Reconstr Aesthet Surg*. 2022; S1748-6815(22)00195-4. doi:10.1016/j.bjps.2022.04.010 [abstract available](#) #axoguard nerve protector
190. Acott TR. Digital nerve reconstruction. *Orthop Clin North Am*. 2022; 53(2): 187-195. doi:10.1016/j.jocl.2021.12.003. [abstract available](#) #avance

189. Xia TY, Scomacao I, Djohan R, Moreira A, Gurunian R, Schwarz GS. Neurotization does not prolong operative time in free flap breast reconstruction. *Aesthetic Plast Surg.* 2022; 10.1007/s00266-022-02833-7. doi:10.1007/s00266-022-02833-7. [abstract available](#) #avance #axoguard nerve connector
188. Pereira R, Dauphinee D, Frania S, Garrett A, Martin C, Van Gils C, Thomajan C. Clinical evaluation of an innovative nerve termination cap for treatment and prevention of stump neuroma pain: Results from a prospective pilot clinical study. *Fastrac.* 2022; 2(2): 100179. [full text available](#) #axoguard nerve cap
187. Giannaccare G, Bolognesi F, Pellegrini M, Spina R, Allevi F, Marchetti C, Scorcia V, Biglioli F. Corneal neurotization: A novel surgical procedure for neurotrophic keratopathy. *Cornea.* 2022; 41(4): 403-407. doi:10.1097/ICO.0000000000002746. [abstract available](#) #avance
186. Liodaki E, Kisch T, Mailänder P, Stang F. Einsatz von azellulären allogenen Nerventransplantaten bei Nervendefekten an der Hand : Erfahrung aus einem deutschen handchirurgischen Zentrum [Use of acellular allogeneic nerve transplants for nerve defects of the hand : Experience from a German hand surgery center]. *Unfallchirurg.* 2022; 10.1007/s00113-022-01143-6. doi:10.1007/s00113-022-01143-6. [Article in German] [abstract available](#) #avance
185. NaPier E, Camacho M, McDevitt TF, Sweeney AR. Neurotrophic keratopathy: current challenges and future prospects. *Ann Med.* 2022; 54(1): 666-673. doi:10.1080/07853890.2022.2045035. [full text available](#) #avance
184. Behtaj S, Ekberg JAK, St John JA. Advances in electrospun nerve guidance conduits for engineering neural regeneration. *Pharmaceutics.* 2022; 14(2): 219. doi:10.3390/pharmaceutics14020219. [full text available](#) #avance
183. Solyman O, Elhusseiny AM, Ali SF, Allen R. A review of pediatric corneal neurotization. *Int Ophthalmol Clin.* 2022; 62(1): 83-94. doi:10.1097/IIO.000000000000403. [abstract available](#) #avance
182. Selvi F, Yildirimyan N, Zuniga JR. Inferior alveolar and lingual nerve injuries: An overview of diagnosis and management. *Front Oral Maxillofac Med.* 2022; 4(27). doi: 10.21037/fomm-21-8. [full text available](#) #avance #axoguard nerve connector
181. Robinson J, Fisher D. Facial nerve reconstruction using acellular nerve allograft. *J Craniofac Surg.* 2022; 33(4): e413-e414. doi:10.1097/SCS.00000000000008313. [abstract available](#) #avance
180. Thomson C, Schneider JM, Pohl U, Power DM. Failed acellular nerve allografts: A critical review. *Ann Plast Surg.* 2022; 89(1): 63-71. doi:10.1097/SAP.0000000000003055. [abstract available](#) #avance #axoguard nerve protector
179. Le Donne M, Jouan R, Bourlet J, Louvrier A, Ducret M, Sigaux N. Inferior alveolar nerve allogenic repair following mandibulectomy: A systematic review. *J Stomatol Oral Maxillofac Surg.* 2022; 123(2): 233-238. doi:10.1016/j.jormas.2021.04.007. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector
178. Sweeney AR, Wang M, Weller CL, Burkat C, Kossler AL, Lee BW, Yen MT. Outcomes of corneal neurotisation using processed nerve allografts: a multicentre case series. *Br J Ophthalmol.* 2022; 106(3): 326-330. doi:10.1136/bjophthalmol-2020-317361. [full text available](#) #avance
177. Tevlin R, Brazio P, Tran N, Nguyen D. Immediate targeted nipple-areolar complex re-innervation: Improving outcomes in immediate autologous breast reconstruction. *J Plast Reconstr Aesthet Surg.* 2021; 74(7): 1503-1507. doi:10.1016/j.bjps.2020.11.021 [abstract available](#) #avance
176. Bartoletta JJ, Israel JS, Rhee PC. Transradial amputation with pedicled pronator quadratus interposition and advanced neuroma-prevention techniques. *J Hand Surg Am.* 2021; 46(12): 1129.e1-1129.e8. doi:10.1016/j.jhssa.2021.05.004. [abstract available](#) #avance
175. Braga Silva J, Leal BLM, Magnus GA, de Souza Stanham V, Mattiello R, Wolff CG. Comparison of nerve conduits and nerve graft in digital nerve regeneration: A systematic review and meta-analysis. *Hand Surg Rehabil.* 2021; 40(6): 715-721. doi:10.1016/j.hansur.2021.08.006. [abstract available](#) #avance
174. Huddleston HP, Kurtzman JS, Connors KM, Koehler SM. A retrospective case series of peripheral mixed nerve reconstruction failures using processed nerve allografts. *Plast Reconstr Surg Glob Open.* 2021; 9(12): e3983. doi: 10.1097/GOX.0000000000003983. [full text available](#) #avance
173. Rodriguez-Collazo E, Laube Ward K. Conduit-assisted allograft neurotization for the treatment of intractable lower extremity pain due to neuromas-in-continuity. *Plast Reconstr Surg Glob Open.* 2021; 9(11): e3867. doi:10.1097/GOX.0000000000003867. [full text available](#) #avance #axoguard nerve connector
172. Jain SA, Nydick J, Leversedge F, Power D, Styron J, Safa B, Buncke G. Clinical outcomes of symptomatic neuroma resection and reconstruction with processed nerve allograft. *Plast Reconstr Surg Glob Open.* 2021; 9(10): e3832. doi:10.1097/GOX.0000000000003832. [full text available](#) #avance
171. McGue CM, Mañón VA, Viet CT. Advances in tissue engineering and implications for oral and maxillofacial reconstruction. *J Calif Dent Assoc.* 2021; 49(11): 685-694. [full text available](#) #avance

170. Rafailov L, Kim JS, Wisely CE, Espana EM, Soifer M, Leyngold IM. Clinical outcomes and patient satisfaction after corneal neurotization. *Cornea*. 2021; 40(11): 1377-1386. doi:10.1097/ICO.0000000000002759. [abstract available](#) #avance #axoguard nerve connector
169. Ziai K, Thomas S, Weller C, Lighthall JG. Corneal neurotization in the setting of facial paralysis: A comprehensive review of surgical techniques. *J Craniofac Surg*. 2021; 32(6): 2210-2214. doi:10.1097/SCS.00000000000007590. [abstract available](#) #avance
168. Jowett N, Pineda R 2nd. Seeing through the evidence for corneal neurotization. *Curr Opin Otolaryngol Head Neck Surg*. 2021; 29(4): 252-258. doi:10.1097/MOO.0000000000000731. [abstract available](#) #avance
167. Parker BJ, Rhodes DI, O'Brien CM, Rodda AE, Cameron NR. Nerve guidance conduit development for primary treatment of peripheral nerve transection injuries: A commercial perspective. *Acta Biomater*. 2021; 135: 64-86. doi:10.1016/j.actbio.2021.08.052. [abstract available](#) #avance
166. Starr BW, Chung KC. Traditional neuroma management. *Hand Clin*. 2021; 37(3): 335-344. doi:10.1016/j.hcl.2021.04.002. [abstract available](#) #avance
165. Jowett N, Pineda R 2nd. Corneal and facial sensory neurotization in trigeminal anesthesia. *Facial Plast Surg Clin North Am*. 2021; 29(3): 459-470. doi:10.1016/j.fsc.2021.03.011. [abstract available](#) #avance
164. Beederman M, Bank J. Post-breast surgery pain syndrome: Shifting a surgical paradigm. *Plast Reconstr Surg Glob Open*. 2021; 9(7): e3720. doi:10.1097/GOX.0000000000003720 [full text available](#) #axoguard nerve connector
163. Baradaran A, El-Hawary H, Efanov JI, Xu L. Peripheral nerve healing: So near and yet so far. *Semin Plast Surg*. 2021; 35(3): 204-210. doi:10.1055/s-0041-1731630. [abstract available](#) #avance
162. Chappell AG, Yang CS, Dumanian GA. Surgical treatment of abdominal wall neuromas. *Plast Reconstr Surg Glob Open*. 2021; 9(5): e3585. doi: 10.1097/GOX.0000000000003585. [full text available](#) #avance
161. Liu CY, Arteaga AC, Fung SE, Cortina MS, Leyngold IM, Aakalu VK. Corneal neurotization for neurotrophic keratopathy: Review of surgical techniques and outcomes. *Ocul Surf*. 2021; 20: 163-172. doi: 10.1016/j.jtos.2021.02.010. [full text available](#) #avance
160. Kornfeld T, Borger A, Radtke C. Reconstruction of critical nerve defects using allogenic nerve tissue - A review of current approaches. *Int J Mol Sci*. 2021; 22: 3513. doi: 10.3390/ijms22073515. [full text available](#) #avance
159. Stoehr JR, Chappell AG, Dumanian GA. Kiteboarding induced abdominal wall pain: Intercostal neuroma versus anterior cutaneous nerve entrapment (ACNES). *Plast Reconstr Surg Glob Open*. 2021; 9(3): e3487. doi: 10.1097/GOX.0000000000003487. [full text available](#) #avance
158. Weyh A, Pucci R, Valentini V, Fernandes R, Salman S. Injuries of the peripheral mandibular nerve, evaluation of interventions and outcomes: A systematic review. *Cranio Maxillofac Trauma Reconstr*. 2021; 14(4): 337-348. doi:10.1177/19433875211002049. [abstract](#) #avance #axoguard nerve connector
157. Giannaccare G, Pellegrini M, Bolognesi F, Fogagnolo P, Lupardi E, Allevi F, Bernabei F, Lozza A, Piazza C, Marchetti C, Scordia V, Biglioli F. Spotlight on corneal neurotization. *Expert Rev of Ophthalmol*. 2021; 16(3): 175-184. Doi: 10.1080/17469899.2021.1895751. [abstract available](#) #avance
156. Thakker A, Sharma SC, Hussain NM, Devani P, Lahiri A. Nerve wrapping for recurrent compression neuropathy: A systematic review. *J Plast Reconstr Aesthet Surg*. 2021; 74(3): 549-559. doi: 10.1016/j.bjps.2020.10.085. [full text available](#) #axoguard nerve protector
155. McElwee TJ, Poche JN, Sowder JC, Hetzler LT. Management of acute facial nerve and parotid injuries. *Facial Plast Surg*. 2021; 37(4): 490-499. doi:10.1055/s-0041-1725129. [abstract available](#) #avance
154. Sonneveld KA, Hasstedt KL, Meyer RA, Bagheri SC. Microsurgical repair of inferior alveolar nerve injuries associated with endodontic treatment: Results on sensory function and relief of pain. *J Oral Maxillofac Surg*. 2021; 79(7): 1434-1446. doi:10.1016/j.joms.2021.01.037. [abstract available](#) #avance #axoguard nerve protector
153. Medina A, Velasco Martinez I, Nguyen Q. Immediate allograft reconstruction of the infraorbital nerve following resection of polyostotic fibrous dysplasia lesion. *Case Reports Plast Surg Hand Surg*. 2021; 8(1): 12-17. doi: 10.1080/23320885.2021.1883435. [full text available](#) #avance #axoguard nerve connector
152. Schur MD, Sochol KM, Lefebvre R, Stevanovic M. Treatment of iatrogenic saphenous neuroma after knee arthroscopy with excision and allograft reconstruction. *Plast Reconstr Surg Glob Open*. 2021; 9(2): e3403. doi: 10.1097/GOX.0000000000003403. [full text available](#) #avance
151. Eberlin KR, Pickrell BB, Hamaguchi R, Hagan RR. Reset neurectomy for cutaneous nerve injuries. *Plast Reconstr Surg Glob Open*. 2021 Feb; 9(2): e3401. doi: 10.1097/GOX.0000000000003401. [full text available](#) #avance

150. Kim JS, Rafailov L, Leyngold I. Corneal neurotization for postherpetic neurotrophic keratopathy: Initial experience and clinical outcomes. *Ophthalmic Plast Reconstr Surg*. 2021; 37(1): 42-50. doi: 10.1097/IOP.0000000000001676. [abstract available](#) #avance
149. Ward KL, Rodriguez-Collazo E. Surgical treatment protocol for peripheral nerve dysfunction of the lower extremity: A systematic approach. *Clin Podiatr Med Surg*. 2021; 38(1): 73-82. doi: 10.1016/j.cpm.2020.09.002. [abstract available](#) #avance #axoguard nerve connector
148. Dunn JC, Tadlock J, Klahs KJ, Narimissaei D, McKay P, Nesti LJ. Nerve reconstruction using processed nerve allograft in the U.S. military. *Mil Med*. 2021; 186(5-6): e543-e548. doi:10.1093/milmed/usaa494. [full text available](#) #avance
147. Momeni A, Meyer S, Shefren K, Januszky M. Flap neurotization in breast reconstruction with nerve allografts: 1-year clinical outcomes. *Plast Reconstr Surg Glob Open*. 2021; 9(1): e3328. doi: 10.1097/GOX.0000000000003328. [full text available](#) #avance
146. Pietramaggiore G, Sapino G, De Santis G, Bassetto F, Scherer S. 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*. 2021; 37(3): 234-241. doi:10.1055/s-0040-1717100. [abstract available](#) #avance #axoguard nerve protector
145. 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*. 2021; 60(2): 386-390. doi:10.1053/j.jfas.2020.08.016. [abstract available](#) #avance
144. Morgan SD, Zuniga JR. Nerve grafting in head and neck reconstruction. *Facial Plast Surg*. 2020; 36 (6): 737-745. doi: 10.1055/s-0040-1721106. [abstract available](#) #avance #axoguard nerve connector
143. Foley DP, Cox C, Suryavanshi J, Osemwengie B, MacKay BJ. Nerve allograft histology after banking following complicated reconstruction. *Clin Case Rep*. 2020; 9(2): 759-763. doi: doi.org/10.1002/ccr3.3599. [full text available](#) #avance
142. Lanier ST, Jordan SW, Ko JH, Dumanian GA. Targeted muscle reinnervation as a solution for nerve pain. *Plast Reconstr Surg*. 2020; 146(5): 651e-663e. doi: 10.1097/PRS.0000000000007235. [abstract available](#) #avance
141. Kaleem A, Amailuk P, Hatoum H, Tursun R. The trigeminal nerve injury. *Oral Maxillofac Surg Clin North Am*. 2020; 32(4) 675-687. doi: 10.1016/j.coms.2020.07.005. [abstract available](#) #axoguard nerve protector
140. 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 (Hagerstown)*. 2020; 20(1): E60-E65. doi:10.1093/ons/opa297. [abstract available](#) #avance
139. Rosenblatt TR, Sears CM, Park JK, Kossler AL. Corneal neurotization and novel medical therapies for neurotrophic keratopathy. *Curr Ophthalmol Rep*. 2020; 8: 252-266. doi: 10.1007/s40135-020-00254-w. [full text available](#) #avance
138. Spielman AF, Sankaranarayanan S, Skowronski P, Lessard AS, Panthaki Z. Recurrent and persistent carpal tunnel syndrome: "Triple-therapy approach". *J Ortho*. 2020; 22: 431-435. doi: 10.1016/j.jor.2020.09.003. [abstract available](#) #axoguard nerve protector
137. Leversedge FJ, Zoldos J, Nydick J, Kao DS, Thayer W, MacKay B, McKee D, Hoyen H, Safa B, Buncke GM. A multicenter matched cohort study of processed nerve allograft and conduit in digital nerve reconstruction. *J Hand Surg Am*. 2020; 45(12): 1148-1156. doi:10.1016/j.jhssa.2020.07.016. [abstract available](#) #avance
136. Park JK, Charlson ES, Leyngold I, Kossler 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
135. Hoshal SG, Solis RN, Bewley AF. Nerve grafts in head and neck reconstruction. *Curr Opin Otolaryngol Head Neck Surg*. 2020; 28(5): 346-351. doi:10.1097/MOO.0000000000000649. [abstract available](#) #avance
134. Anderson SR, Wimalawansa SM, Roubaud MS, Mericli AF, Horne BR, Valerio IL. Targeted muscle reinnervation following external hemipelvectomy or hip disarticulation: An anatomic description of technique and clinical case correlates. *J Surg Oncol*. 2020; 122(8): 1693-1710. doi:10.1002/jso.26189. [abstract available](#) #axoguard nerve protector
133. Djohan R, Scomacoo I, Knackstedt R, Cakmakoglu C, Grobmyer SR. 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
132. 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: 10.4067/S2452-55882020000200084. [full text available](#) #avance #axoguard nerve connector
131. Baron A, Strohl A. Severe cubital tunnel syndrome: Considerations for nerve transfer surgery. *Curr Rev Musculoskelet Med*. 2020; 13(6): 708-716. doi: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? [published correction appears in *J Oral Maxillofac Surg.* 2021 May; 79(5): 1180]. *J Oral Maxillofac Surg.* 2020; 78(12): 2300-2305. doi: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; 78(11): 2073-2079. doi: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 SD, Arango JI. Comparison of autograft versus allograft in the surgical repair of pediatric obstetrical brachial plexus injuries. *J Neurosurg Pediatr.* 2020; 1-9. doi: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;87(6): E638-E645. doi: 10.1093/neuros/nyaa250. [abstract available](#) #avance
124. Mathieu L, Addas BMJ, Irimura SC, Oberlin C, Belkheyar Z. Management of sciatic nerve defects: Lessons learned and proposal for a new strategy. *Ann Plast Surg.* 2020; 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 : 10.4067/S0718-381X202000300400. [full text available](#). #avance
122. Suryavanshi JR, Cox C, Osemwengie BO, Jones HB, MacKay BJ. Sutureless repair of a partially transected median nerve using Tisseel glue and Axoguard nerve protector: A case report. *Microsurgery.* 2020;40(8):896-900. doi: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; 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, et al. Peripheral nerve repair throughout the body with processed nerve allografts: Results from a large multicenter study. *Microsurgery.* 2020; 40(5): 527-537. doi:10.1002/micr.30574. doi: 10.1002/micr.30574. [full text available](#) #avance
118. Puente-Espel J, Chang J, Liu X, Riccio CA, Konofaos P. Cadaver nerve grafts: Past, present and future. *Ann Plast Surg.* 2020; 84(6): 684-688. 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. *JBUS Case Connect.* 2020; 10(1): e0207. doi: 10.2106/JBUS.CC.19.00207. [abstract available](#) #avance #axoguard nerve protector
116. Andrews JP, McDermott M, Jacques L. Lesser occipital nerve damage after retrosigmoid craniotomy repaired with processed nerve allograft. *Interdiscip Neurosurg: Adv Tech Case Manag.* 2020; 19: 100592. doi: 10.1016/j.inat.2019.100592. [full text available](#) #avance
115. Eroglu U, Yakar F, Bozkurt M, Kahilogullari G, Shukriyev B, Caglar Ugur H, Unlu A. Surgical results of the use of expanded polytetrafluoroethylene as an adhesion inhibitory membrane in anastomosis surgery for total peripheral nerve cut. *Indian J Surg.* 2020; 82: 592-597. doi: 10.1007/s12262-020-02068-3. [abstract available](#) #avance
114. Pan D, Mackinnon SE, Wood MD. Advances in the repair of segmental nerve injuries and trends in reconstruction. *Muscle Nerve.* 2020; 61(6): 726-739. doi:10.1002/mus.26797. [abstract available](#) #avance
113. Lans J, Baker DJ, Castelein RM, Sood RF, Chen NC, Eberlin KR. Patient-reported outcomes following surgical treatment of symptomatic digital neuromas. *Plast Reconstr Surg.* 2020;145(3):563e-573e. doi:10.1097/PRS.0000000000006552. [abstract available](#) #avance
112. Tuffaha SH, Meaie JD, Moran SL. Direct muscle neurotization with long acellular nerve allograft: A case report. *Microsurgery.* 2020; 40(2): 258-260. doi:10.1002/micr.30498. [abstract available](#) #avance
111. Leckenby JI, Furrer C, Haug L, Juon Personeni B, Vögelin E. A retrospective case series reporting the outcomes of Avance nerve allografts in the treatment of peripheral nerve injuries. *Plast Reconstr Surg.* 2020; 145(2): 368e-381e. doi:10.1097/PRS.0000000000006485. [abstract available](#) #avance

110. George JA, Davis TS, Brinton MR, Clark GA. Intuitive neuromyoelectric control of a dexterous bionic arm using a modified Kalman filter. *J Neurosci Methods*. 2020; 330: 108462. doi:10.1016/j.jneumeth.2019.108462. [full text available](#) #axoguard nerve protector
109. McKee D, Osemwengie B, Cox C. Distal digital nerve repair using nerve allograft with a dermal substitute: A case report. *Hand (N Y)*. 2020; 15(4): NP47-NP50. doi:10.1177/1558944719854169. [abstract available](#) #avance
108. Herman ZJ, Ilyas AM. Sensory outcomes in digital nerve repair techniques: An updated meta-analysis and systematic review. *Hand (N Y)*. 2020; 15(2): 157-164. doi:10.1177/1558944719844346. [abstract available](#) #avance
107. Felder JM, Hill EJR, Power HA, Hasak J, Mackinnon SE. Cross-palm nerve grafts to enhance sensory recovery in severe ulnar neuropathy. *Hand (N Y)*. 2020; 15(4): 526-533. doi:10.1177/1558944718822851. [full text available](#) #avance
106. 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
105. Zeng W, Osterman M, Stern PJ. Inflammatory reactions to xenogenic nerve wraps. *JBUS Case Connector*. 2019; 9(3): p e0302. doi: 10.2106/JBJS.CC.18.00302. [abstract available](#) #axoguard nerve protector
104. Wolkow N, Habib LA, Yoon MK, Freitag SK. Corneal neurotization: Review of a new surgical approach and its developments. *Semin Ophthalmol*. 2019; 34(7-8): 473-487. doi:10.1080/08820538.2019.1648692. [abstract available](#) #avance
103. 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
102. 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; 7(12): p e2467. doi: 10.1097/GOX.0000000000002467. [full text available](#) #avance
101. Akbari M, Miloro M. The inferior alveolar nerve: To graft or not to graft in ablative mandibular resection? *J Oral Maxillofac Surg*. 2019; 77(6): 1280-1285. doi: 10.1016/j.joms.2019.01.008. [abstract available](#) #avance
100. 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 Jul; 1(3): 185-189. doi: 10.1016/j.jhsg.2019.05.004. [full text available](#) #avance
99. 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. [full text available](#) #avance
98. Bassilios Habre S, Googe BJ, Depew JB, Wallace RD, Konofaos P. Depressor reanimation after facial nerve paralysis. *Ann Plast Surg*. 2019; 82(5): 582-590. doi: 10.1097/SAP.0000000000001616. [abstract available](#) #avance
97. Rbia N, Bulstra LF, Saffari TM, Hovius SER, Shin AY. 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; 127: e1176-e1184. doi: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. [abstract available](#) #avance
95. Mauch JT, Bae A, Shubinets V, Lin IC. 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. [abstract available](#) #avance
94. Chaimanakarn S, Foonant P, Mahardawi B, Sakdejayont W. Inferior alveolar and lingual nerves injury and repair: A literature review on microneurosurgery. *M Dent J*. 2019; 39(1): 41-52. [full text available](#) #avance #axoguard nerve connector
93. Leyngold IM, Yen MT, Tian J, Leyngold MM, Vora GK, Weller C. 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. [abstract available](#) #avance
92. Safa B, Shores JT, Ingari JV, Weber RV, Cho M, Zoldos J, Niarcas TR, Nesti LJ, Thayer WP, Buncke GM. 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. [full text available](#) #avance
91. Chaudhry S, Ispakchi KR, Ignatiuk A. Updates on the controversies related to the management of radial nerve injuries. *J Am Acad Orthop Surg*. 2019; 27(6): e280-e284. doi: 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; 82(6): 653-660. doi:10.1097/SAP.0000000000001783. [abstract available](#) #avance #axoguard nerve connector

89. Marschall JS, Flint RL, Kushner GM, Alpert B. Management of mandibular osteomyelitis with segmental resection, nerve preservation, and immediate reconstruction. *J Oral Maxillofac Surg.* 2019; 77(7): 1490-1504. doi:10.1016/j.joms.2019.01.036. [abstract available](#) #axoguard nerve protector
88. Lauder A, Bently RC, Mithandi SK. Intra-neural masson tumor of the hand. *Eplasty.* 2019; 19: ic9. [full text available](#) #axoguard nerve protector
87. Scott KL, Conley CR, Renfree KU. Histopathologic evaluation of flexor tenosynovium in recurrent carpal tunnel syndrome. *Plast Reconstr Surg.* 2019; 143(1): 169-175. doi: 10.1097/PRS.0000000000005090. [abstract available](#) #axoguard nerve protector
86. Freniere BB, Wenzinger E, Lans J, Eberlin KR. Relocation nerve grafting: A technique for management of symptomatic digital neuromas. *J Hand Microsurg.* 2019; 11(Suppl 1): S50-S52. doi: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. [full text available](#) #avance #axoguard nerve protector
84. Dickson KE, Jordaan PW, Mohamed D, Power DM. Nerve allograft reconstruction of digital neuromata. *J Musculoskelet Surg Res.* 2019; 3: 116-122. doi: 10.4103/jmsr.jmsr_77_18. [full text available](#) #avance
83. Jones RD, Turner LC, Jimulia DT, Power DM. 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. [full text available](#) #avance
82. 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. [full text available](#) #axoguard nerve protector
81. 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. [full text available](#) #avance #axoguard nerve connector
80. Nijran A, Challoner TJ, 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. [full text available](#) #avance
79. 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. [full text available](#) #avance #axoguard nerve protector
78. 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; 50(1): 87-93. doi: 10.1016/j.ocl.2018.08.011. [abstract available](#) #avance
77. Wu F, Ng CY. Management of acute nerve injuries of the hand. *Ortho & Trauma.* 2019; 33(1): 18-22. doi: 10.1016/j.mporth.2018.11.003. [abstract available](#) #avance
76. Niquette CC, Miller KG. Multiple myeloma: The case for ORIF and inferior alveolar nerve grafting. *Oral & Maxillofac Surg Cases.* 2019; 5(1): 100083. doi: 10.1016/j.omsc.2018.10.005. [full text available](#) #avance #axoguard nerve connector
75. Martin AR, Gittings DJ, Levin LS, Donegan DJ, Gray BL. 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
74. Liadaki E, Robiller S, Wenzel E, Mailaender P, Stang F. 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; 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; 11(5): 780-792. doi: 10.1002/jso.25223. [abstract available](#) #avance
70. 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; 6(8): e1803. doi: 10.1097/GOX.0000000000001803. [full text available](#) #avance
69. 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; 6(6): e1835. doi: 10.1097/GOX.0000000000001835. [full text available](#) #avance #axoguard nerve protector

68. Carlson TL, Wallace RD, Konofaos P. Cadaveric nerve allograft: Single center's experience in a variety of peripheral nerve injuries. *Ann Plast Surg.* 2018; 80(6S): S238-S332. doi: 10.1097/SAP.0000000000001470. [abstract available](#) #avance
67. 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; 29(4): 1023-1025. doi: 10.1097/SCS.0000000000004439. [abstract available](#) #avance
66. Cetrulo CL Jr, Li K, Salinas HM, Treiser MD, et al. Penis transplantation: First US experience. *Ann Surg.* 2018; 267(5): 983-988 doi: 10.1097/SLA.0000000000002241. [abstract available](#) #avance
65. 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; 57(3): 514-517. doi: 10.1053/j.jfas.2017.11.022. [abstract available](#) #avance
64. 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; 29(3): e307-e314. doi: 10.1097/SCS.0000000000004362. [full text available](#) #avance
63. Wright L, Bauer TW, Seitz WH. Segmental schwannomatosis of the upper extremity: Case report and review of the literature. *Plast Surg Case Studies.* 2018; 4. doi: 10.1177/2513826X18769466. [full text available](#) #axoguard nerve protector
62. Jones PE, Meyer RM, Faillace WJ, Landau, Smith JK, McKay PL, Nesti LJ. Combat injury of the sciatic nerve – An institutional experience. *Mil Med.* 2018; 183(9-10): e434-e441. doi: 10.1093/milmed/usy030. [full text](#) #avance
61. 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; 43(4): 360-367. doi: 10.1016/j.jhssa.2018.01.013. [abstract available](#) #axoguard nerve protector
60. Bi A, Park E, Dumanian GA. Treatment of painful nerves in the abdominal wall using processed nerve allografts. *Plast Reconstr Surg Glob Open.* 2018; 6(3): e1670. doi: 10.1097/GOX.0000000000001670. [full text available](#) #avance
59. Bassilios Habre S, Bond G, Jing XL, Kostopoulos E, Wallace RD, Konofaos P. The surgical management of nerve gaps: Present and future. *Ann Plast Surg.* 2018; 80(3): 252-261. doi: 10.1097/SAP.0000000000001252. [abstract available](#) #avance
58. Ogradink J. Superficial peroneal nerve injured during fasciotomy: A successful repair with cadaveric nerve allograft. *Am Surg.* 2018; 84(2): e59-60. [link available](#) #avance
57. 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
56. 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
55. Bulic K, Antabak A, Dujmovic A, Kisic H, Lorencin M. Bilateral leg replantation in a 3-month-old baby after a knee level crush amputation: A 2-year follow-up. *Ann Plast Surg.* 2017; 78(3): 304-306. doi: 10.1097/SAP.0000000000000965. [abstract available](#) #avance
54. Miloro M, Markiewicz MR. Virtual surgical planning for inferior alveolar nerve reconstruction. *J Oral Maxillofac Surg.* 2017; 75(11): 2442-2448. doi: doi.org/10.1016/j.joms.2017.04.001. [full text available](#) #avance #axoguard nerve protector #axoguard nerve connector
53. Yampolsky A, Ziccardi V, Chuang SK. Efficacy of acellular nerve allografts in trigeminal nerve reconstruction. *J Oral Maxillofac Surg.* 2017; 75(10): 2230-2234. doi: 10.1016/j.joms.2017.02.015. [abstract available](#) #avance #axoguard nerve protector
52. Roettges P, Turker T. Ulnar nerve injury as a result of Galeazzi fracture: A case report and literature review. *Hand.* 2017; 12(5): NP162-NP165. doi: 10.1177/1558944717715137. [abstract available](#) #avance
51. Rodriguez-Collazo E, Medina E, Maymi A, Khan HA. Treating post-traumatic lower extremity end neuroma formation: A novelty approach. *J Ortho Trauma Surg and Related Res.* 2017; 12(2): 52-55. [full text available](#) #avance
50. Battiston B, Titolo P, Ciclamini D, Panero B. Peripheral nerve defects: Overview of practice in Europe. *Hand Clin.* 2017; 33(3): 545-550. doi: 10.1016/j.hcl.2017.04.005. [abstract available](#) #avance
49. Tursun R, Green JM. Immediate microsurgical bone and nerve reconstruction in the irradiated patient: A case report. *J Oral Maxillofac Surg.* 2017; 75(6): 1302.e1-1302.e7. doi: 10.1016/j.joms.2016.12.006. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector

48. Rinker BD, Zoldos J, Weber RV, Ko J, Thayer W, Greenberg J, Leversedge FJ, Safa B, Buncke G. Use of processed nerve allografts to repair nerve injuries greater than 25 mm in the hand. *Ann Plast Surg.* 2017; 78(6S Suppl 5): S292-S295. doi: 10.1097/SAP.0000000000001037. [abstract available](#) #avance
47. Rbia N, Shin AY. The role of nerve graft substitutes in motor and mixed motor/sensory peripheral nerve injuries. *J Hand Surg Am.* 2017; 42(5): 367-377. doi: 10.1016/j.jhssa.2017.02.017. [abstract available](#) #avance
46. Wilson MT, Chuang SK, Ziccardi VB. Lingual nerve microsurgery outcomes using 2 different conduits: A retrospective cohort study. *J Oral Maxillofac Surg.* 2017; 75(3): 609-615. doi: 10.1016/j.joms.2016.09.022. [abstract available](#) #axoguard nerve connector
45. Jamal BT. Decellularized human nerve graft in allogenic reconstruction of inferior alveolar nerve injury: A case report. *J Clin Case Stu.* 2017; 2(2): doi: 10.16966/2471-4925.140. [full text available](#) #avance
44. Bibbo C, Rodriguez-Colazzo E. Nerve transfer with entubulated nerve allograft transfers to treat recalcitrant lower extremity neuromas. *J Foot Ankle Surg.* 2017; 56(1): 82-86. doi: 10.1053/j.jfas.2016.09.005. [abstract available](#) #avance #axoguard nerve protector #axoguard nerve connector
43. 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
42. Means KR, Rinker BD, Higgins JP, Payne Jr SH, Merrell GA, Wilgis EFS. 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; 11(2): 144-51. doi: 10.1177/1558944715627233. [abstract available](#) #avance
41. Zuniga J, Yates DM. Factors determining outcome after trigeminal nerve surgery for neuropathic pain. *J Oral Maxillofac Surg.* 2016; 74(7): 1323-1329. doi: 10.1016/j.joms.2016.02.005. [full text available](#) #avance #axoguard nerve protector
40. Kokkalis ST, Mavrogenis AF, Vottis C, Papatheodorou L, Papagelopoulos PJ, Soucacos PN, Sotereanos DG. Median nerve biodegradable wrapping: Clinical outcome of 10 patients. *Acta Orthop Belg.* 2016; 82(2): 351-357. [abstract available](#) #axoguard nerve protector
39. 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; 74(12): 2507-2514. doi: 10.1016/j.joms.2016.05.029. [full text available](#) #avance #axoguard nerve protector
38. Souza JM, Purnell CA, Cheesborough JE, Kelikian AS, Dumanian GA. 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
37. Sosin M, Weiner LA, Robertson BC, DeJesus RA. 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
36. 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; 33(2): 235-42. doi: 10.1016/j.cpm.2015.11.001 [abstract available](#) #axoguard nerve protector
35. 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
34. 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; 74(9): 1899.e1-4. doi: 10.1016/j.joms.2016.04.027. [abstract available](#) #axoguard nerve connector
33. Pierce NE, Alt JA, Antonelli PJ. Hydrogel sutureless facial nerve repair: pilot clinical investigation. *Laryngoscope.* 2015; 125(6): 1456-1459. doi:10.1002/lary.25072 [abstract available](#) #avance
32. Rinker BD, Ingari JV, Greenberg JA, Thayer WP, Safa B, Buncke GM. Outcomes of short-gap sensory nerve injuries reconstructed with processed nerve allografts from a multicenter registry study. *J Reconstru Microsurg.* 2015; 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. [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; 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; 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, Jeon I-H. 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 PJ, Viviano SL, Fleegler EJ, Lee ES. 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; 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; 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; 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; 32(1): 1-14. doi: 10.1002/micr.20975. [abstract available](#) #avance
7. Cho MS, Rinker BD, Weber RV, Chao JD, Ingari JV, Brooks D, Buncke GM. Functional outcome following nerve repair in the upper extremity using processed nerve allograft. *J Hand Surg Am.* 2012; 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; 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, Nicoson MC, Hunter DA, Mackinnon SE, Johnson PU. 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; 4(3): 245-249. doi: 10.1007/s11552-009-9195-6. [abstract available](#) #avance

To the best of our knowledge this bibliography represents the full compendium of literature available on Axogen technologies. For questions related to any of the literature listed, please contact Axogen Medical Affairs at MedicalAffairs@axogeninc.com.

INDICATIONS FOR USE

Avance Nerve Graft is processed nerve allograft (human) intended for the surgical repair of peripheral nerve discontinuities to support regeneration across the defect.

Axoguard Nerve Connector is indicated for the repair of peripheral nerve discontinuities where gap closure can be achieved by flexion of the extremity. The Axoguard Nerve Connector is supplied sterile and is intended for single use.

Axoguard Nerve Protector is indicated for the repair of peripheral nerve injuries where there is no gap. The Axoguard Nerve Protector is supplied sterile and is intended for single use.

Axoguard Nerve Cap is indicated to protect a peripheral nerve end and to separate the nerve from the surrounding environment to reduce the development of symptomatic or painful neuroma.

© 2023 Axogen Corporation. Avance Nerve Graft, Axoguard Nerve Protector, Axoguard Nerve Connector, and Axoguard Nerve Cap 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.