

Skarżyński, H., Lorens, A., Piotrowska, A., & Anderson, I. (2006). *Partial deafness cochlear implantation provides benefit to a new population of individuals with hearing loss*. *Acta Oto-Laryngologica*, 126(9), 934-940. doi:10.1080/00016480600606632

Cited: 77 times

Cited by:

Mandour, M.F., Khalifa, M.A., Khalifa, H.M., Amer, M.A.R. (2019), Iatrogenic facial nerve exposure in cochlear implant surgery: incidence and clinical significance in the absence of intra-operative nerve monitoring. *Cochlear Implants International*. DOI: 10.1080/14670100.2019.1625126 (Article in Press)

Adunka, O.F., Gantz, B.J., Dunn, C., Gurgel, R.K., Buchman, C.A. (2018), Minimum Reporting Standards for Adult Cochlear Implantation. *Otolaryngology - Head and Neck Surgery (United States)*, 159 (2), pp. 215-219. DOI: 10.1177/0194599818764329

Dillon, M.T., Buss, E., Rooth, M.A., King, E.R., Deres, E.J., Buchman, C.A., Pillsbury, H.C., Brown, K.D. (2018), Effect of Cochlear Implantation on Quality of Life in Adults with Unilateral Hearing Loss. *Audiology and Neurotology*, 22 (4-5), pp. 259-271. DOI: 10.1159/000484079

Rajan, G., Tavora-Vieira, D., Baumgartner, W.-D., Godey, B., Müller, J., O'Driscoll, M., Skarżyński, H., Skarżyński, P., Usami, S.-I., Adunka, O., Agrawal, S., Bruce, I., De Bodt, M., Caversaccio, M., Pillsbury, H., Gavilán, J., Hagen, R., Hager, A., Kameswaran, M., Karltorp, E., Kompis, M., Kuzovkov, V., Lassaletta, L., Yongxin, L., Lorens, A., Manoj, M., Martin, J., Mertens, G., Mlynski, R., Parnes, L., Pulibalathingal, S., Radeloff, A., Raine, C.H., Rajeswaran, R., Schmutzhard, J., Sprinzl, G., Staecker, H., Stephan, K., Sugarova, S., Zernotti, M., Zorowka, P., Van de Heyning, P. (2018), Hearing preservation cochlear implantation in children: The HEARRING Group consensus and practice guide. *Cochlear Implants International*, 19 (1), pp. 1-13. DOI: 10.1080/14670100.2017.1379933

Fouad, Y.A., Elaassar, A.S., El-Anwar, M.W., Sabir, E., Abdelhamid, A., Ghonimy, M. (2017), Role of Multislice CT Imaging in Predicting the Visibility of the Round Window in Pediatric Cochlear Implantation. *Otology and Neurotology*, 38 (8), pp. 1097-1103. DOI: 10.1097/MAO.0000000000001493

Moteki, H., Nishio, S.-Y., Miyagawa, M., Tsukada, K., Iwasaki, S., Usami, S.-I. (2017), Long-term results of hearing preservation cochlear implant surgery in patients with residual low frequency hearing. *Acta Oto-Laryngologica*, 137 (5), pp. 516-521. DOI: 10.1080/00016489.2016.1252061

Plant, K., Babic, L. (2016), Utility of bilateral acoustic hearing in combination with electrical stimulation provided by the cochlear implant. *International Journal of Audiology*, 55, pp. S31-S38. DOI: 10.3109/14992027.2016.1150609

Nag, S., Thakor, N.V. (2016), Implantable neurotechnologies: electrical stimulation and applications. *Medical and Biological Engineering and Computing*, 54 (1), pp. 63-76. DOI: 10.1007/s11517-015-1442-0

Schraven, S.P., Mlynski, R., Dalhoff, E., Wildenstein, D., Alkonyi, B., Gummer, A.W., Hagen, R. (2015), Vibro-EAS: A proposal for electroacoustic stimulation. *Otology and Neurotology*, 36 (1), pp. 22-27.

Rösli, M., Hoth, S., Baumann, I., Praetorius, M., Plinkert, P.K. (2015), The impact of cochlear implants on the quality of life of patients with single-sided deafness [Der Einfluss der CI-Versorgung von einseitig tauben Patienten auf die Lebensqualität]. *HNO*, 63 (3), pp. 182-188. DOI: 10.1007/s00106-014-2969-3

Kashio, A., Sakamoto, T., Karino, S., Kakigi, A., Iwasaki, S., Yamasoba, T. (2015), Predicting round window niche visibility via the facial recess using high-resolution computed tomography (2015) *Otology and Neurotology*, 36 (1), pp. e18-e23.

Moteki, H., Kitoh, R., Tsukada, K., Iwasaki, S., Nishio, S.-Y., Usami, S.-I. (2015), The advantages of sound localization and speech perception of bilateral electric acoustic stimulation. *Acta Oto-Laryngologica*, 135 (2), pp. 147-153. DOI: 10.3109/00016489.2014.951453

Skarżyński, H., Lorens, A., Dziendziel, B., Skarżyński, P.H. (2015), Expanding pediatric cochlear implant candidacy: A case study of electro-natural stimulation (ENS) in partial deafness treatment. *International Journal of Pediatric Otorhinolaryngology*, 79 (11), pp. 1896-1900. DOI: 10.1016/j.ijporl.2015.08.040

Plant, K.L., Van Hoesel, R.J.M., McDermott, H.J., Dawson, P.W., Cowan, R.S. (2015), Clinical Outcomes for Adult Cochlear Implant Recipients Experiencing Loss of Usable Acoustic Hearing in the Implanted Ear. *Ear and Hearing*, 36 (3), pp. 338-356. DOI: 10.1097/AUD.0000000000000122

Nag, S., Sharma, D., Thakor, N.V. (2015), Electrical stimulation. *Handbook of Bioelectronics: Directly Interfacing Electronics and Biological Systems*, pp. 365-378. DOI: 10.1017/CBO9781139629539.036

Irving, S., Wise, A.K., Millard, R.E., Shepherd, R.K., Fallon, J.B. (2014), A partial hearing animal model for chronic electro-acoustic stimulation. *Journal of Neural Engineering*, 11 (4), art. no. 046008. DOI: 10.1088/1741-2560/11/4/046008

Castilho, A.M., Duarte, A.S.M., Pauna, H.F., Bonhin, R.G., Ramos, P.Z., Guimarães, A.C., Sartorato, E.L., De Carvalho, G.M. (2014), Cochlear implants: Genetics of deafness, CI in different approaches and clinical benefits. *Cochlear Implants: Technological Advances, Psychological/Social Impacts and Long-Term Effectiveness*, pp. 93-115.

Sun, J.-Q., Sun, J.-W., Hou, X.-Y. (2014), Cochlear implantation with round window insertion in children less than 2 years. *Acta Oto-Laryngologica*, 134 (3), pp. 286-289. DOI: 10.3109/00016489.2013.867455

Skarżyński, H., Lorens, A., Matusiak, M., Porowski, M., Skarżyński, P.H., James, C.J. (2014), Cochlear implantation with the nucleus slim straight electrode in subjects with residual low-frequency hearing. *Ear and Hearing*, 35 (2), pp. e33-e43. DOI: 10.1097/01.aud.0000444781.15858.f1

Kim, M., Yang, W.S., Jeon, J.H., Choi, J.Y. (2014), Electrode misdirection into the superior semicircular canal: Complication of cochlear implantation by round window approach. *Journal of International Advanced Otology*, 10 (3), pp. 246-250. DOI: 10.5152/iao.2014.325

Sun, J.-Q., Sun, J.-W., Hou, X.-Y. (2014), Cochlear implantation with round window insertion in children with otitis media with effusion. *ORL*, 76 (1), pp. 13-18. DOI: 10.1159/000360007

Mahmoud, A.F., Massa, S.T., Douberly, S.L., Montes, M.L., Ruckenstein, M.J. (2014), Safety, efficacy, and hearing preservation using an integrated electro-acoustic stimulation hearing system. *Otology and Neurotology*, 35 (8), pp. 1421-1425. DOI: 10.1097/MAO.0000000000000422

Skarżyński, P.H., Wolak, T., Skarżyński, H., Lorens, A., Śliwa, L., Rusiniak, M., Pluta, A., Lewandowska, M., Ciesła, K., Wiktor Jędrzejczak, W., Olszewski, L. (2013), Application of the functional magnetic resonance imaging (fMRI) for the assessment of the primary auditory cortex function in partial deafness patients - A preliminary study. *Journal of International Advanced Otology*, 9 (2), pp. 153-160.

Adunka, O.F., Dillon, M.T., Adunka, M.C., King, E.R., Pillsbury, H.C., Buchman, C.A. (2013), Hearing preservation and speech perception outcomes with electric-acoustic stimulation after 12 months of listening experience. *Laryngoscope*, 123 (10), pp. 2509-2515. DOI: 10.1002/lary.23741

Salam, S.A., Tayel, S., Mehanna, A., Eid, M., Farouk, W. (2013), Comparison of scalar location and insertion depth of cochlear implant electrode implanted through the round window versus cochleostomy approach. *Journal of International Advanced Otology*, 9 (1), pp. 30-37.

Kang, B.J., Kim, A.H. (2013), Comparison of cochlear implant performance after round window electrode insertion compared with traditional cochleostomy. *Otolaryngology - Head and Neck Surgery (United States)*, 148 (5), pp. 822-826. DOI: 10.1177/0194599813479576

Santa Maria, P.L., Domville-Lewis, C., Sucher, C.M., Chester-Browne, R., Atlas, M.D. (2013), Hearing preservation surgery for cochlear implantation - Hearing and quality of life after 2 years. *Otology and Neurotology*, 34 (3), pp. 526-531. DOI: 10.1097/MAO.0b013e318281e0c9

Leong, A.C., Jiang, D., Agger, A., Fitzgerald-O'Connor, A. (2013), Evaluation of round window accessibility to cochlear implant insertion. *European Archives of Oto-Rhino-Laryngology*, 270 (4), pp. 1237-1242. DOI: 10.1007/s00405-012-2106-4

Devèze, A., Koka, K., Tringali, S., Jenkins, H.A., Tollin, D.J. (2013), Techniques to improve the efficiency of a middle ear implant: Effect of different methods of coupling to the ossicular chain. *Otology and Neurotology*, 34 (1), pp. 158-166. DOI: 10.1097/MAO.0b013e3182785261

Kuthubutheen, J., Hedne, C.N., Krishnaswamy, J., Rajan, G.P. (2012), A case series of paediatric hearing preservation cochlear implantation: A new treatment modality for children with drug-induced or congenital partial deafness. *Audiology and Neurotology*, 17 (5), pp. 321-330. DOI: 10.1159/000339350

Lorens, A., Zgoda, M., Skarżyński, H. (2012), A new audio processor for combined electric and acoustic stimulation for the treatment of partial deafness. *Acta Oto-Laryngologica*, 132 (7), pp. 739-750. DOI: 10.3109/00016489.2012.654852

Jayawardena, J., Kuthubutheen, J., Rajan, G. (2012), Hearing preservation and hearing improvement after reimplantation of pediatric and adult patients with partial deafness: A retrospective case series review. *Otology and Neurotology*, 33 (5), pp. 740-744. DOI: 10.1097/MAO.0b013e318255dd91

Demason, C., Choudhury, B., Ahmad, F., Fitzpatrick, D.C., Wang, J., Buchman, C.A., Adunka, O.F. (2012), Electrophysiological properties of cochlear implantation in the gerbil using a flexible array. *Ear and Hearing*, 33 (4), pp. 534-542. DOI: 10.1097/AUD.0b013e3182498c28

Polak, M. (2012), Benefits of EAS and hearing preservation in partially deaf patients: A review. *Practica Oto-Rhino-Laryngologica*, (SUPPL. 132), pp. 47-52.

Usami, S.-I. (2012), Our experience with EAS (Electric Acoustic Stimulation) in Japan - atraumatic surgery, hearing preservation, outcome, and genetic background of the patients. *Practica Oto-Rhino-Laryngologica*, (SUPPL. 132), pp. 3-12.

Soh, J.M., D'Souza, V.D., Sarepaka, G.K., Ng, W.N., Ong, C.S., Low, W.K. (2012), Cochlear implant outcomes: A comparison between irradiated and non-irradiated ears. *Clinical and Experimental Otorhinolaryngology*, 5 (SUPPL. 1), pp. S93-S98. DOI: 10.3342/ceo.2012.5.S1.S93

Tucci, D.L., Pilkington, T.M. (2012), Medical and surgical aspects of cochlear implantation. *Cochlear Implants: Principles and Practices*, pp. 161-186.

Wilson, B.S., Dorman, M.F. (2012), The design of cochlear implants. *Cochlear Implants: Principles and Practices*, pp. 95-135.

Gstoettner, W.K., Van De Heyning, P., Fitzgerald O'Connor, A., Kiefer, J., Morera, C., Sainz, M., Vermeire, K., McDonald, S., Cavallé, L., García Valdecasas, J., Adunka, O.F., Baumann, U., Kleine-Punte, A., Brockmeier, H., Anderson, I., Helbig, S. (2011), Assessment of the subjective benefit of electric acoustic stimulation with the abbreviated profile of hearing aid benefit. *ORL*, 73 (6), pp. 321-329. DOI: 10.1159/000331917

Choudhury, B., Adunka, O.F., Demason, C.E., Ahmad, F.I., Buchman, C.A., Fitzpatrick, D.C. (2011), Detection of intracochlear damage with cochlear implantation in a gerbil model of hearing loss. *Otology and Neurotology*, 32 (8), pp. 1370-1378. DOI: 10.1097/MAO.0b013e31822f09f2

Guan, T., Gong, Q., Li, Z. (2011), Effects of electrode insertion depth on mandarin speech understanding using combined electric and acoustic stimulation. *Proceedings - 2011 International Conference on Multimedia and Signal Processing, CMSP 2011*, 2, art. no. 5957517, pp. 298-302. DOI: 10.1109/CMSP.2011.148

Briggs, R.J.S., Tykocinski, M., Lazsig, R., Aschendorff, A., Lenarz, T., Stöver, T., Fraysse, B., Marx, M., Thomas Roland, J., Roland, P.S., Wright, C.G., Gantz, B.J., Patrick, J.F., Risi, F. (2011), Development and evaluation of the modiolar research array - multi-centre collaborative

study in human temporal bones. *Cochlear Implants International*, 12 (3), pp. 129-139. DOI: 10.1179/1754762811Y0000000007

Helbig, S., Baumann, U., Hey, C., Helbig, M. (2011), Hearing preservation after complete cochlear coverage in cochlear implantation with the free-fitting FLEXSOFT electrode carrier. *Otology and Neurotology*, 32 (6), pp. 973-979. DOI: 10.1097/MAO.0b013e31822558c4

Helbig, S., Van De Heyning, P., Kiefer, J., Baumann, U., Kleine-Punte, A., Brockmeier, H., Anderson, I., Gstoettner, W. (2011), Combined electric acoustic stimulation with the PULSARCI 100 implant system using the FLEX EAS electrode array. *Acta Oto-Laryngologica*, 131 (6), pp. 585-595. DOI: 10.3109/00016489.2010.544327

Electric acoustic stimulation (2011), *Otolaryngology - Head and Neck Surgery (Tokyo)*, 83 (6), pp. 393-401.

Von Ilberg, C.A., Baumann, U., Kiefer, J., Tillein, J., Adunka, O.F. (2011), Electric-acoustic stimulation of the auditory system: A review of the first decade. *Audiology and Neurotology*, 16 (SUPPL. 2), pp. 1-30. DOI: 10.1159/000327765

Helbig, S., Settevendemie, C., MacK, M., Baumann, U., Helbig, M., Stöver, T. (2011), Evaluation of an electrode prototype for atraumatic cochlear implantation in hearing preservation candidates: Preliminary results from a temporal bone study. *Otology and Neurotology*, 32 (3), pp. 419-423. DOI: 10.1097/MAO.0b013e31820e75d9

Skarżyński, H., Lorens, A., Piotrowska, A., Skarżyński, P.H. (2010), Hearing preservation in partial deafness treatment. *Case Reports and Clinical Practice Review*, 16 (11), pp. CR555-CR562.

Skarżyński, H., Lorens, A., Piotrowska, A., Skarżyński, P.H. (2010), Hearing preservation in partial deafness treatment. *Medical Science Monitor*, 16 (11), pp. 555-562.

Vollmer, M., Hartmann, R., Tillein, J. (2010), Neuronal responses in cat inferior colliculus to combined acoustic and electric stimulation. *Advances in Oto-Rhino-Laryngology*, 67, pp. 61-69. DOI: 10.1159/000262597

Helbig, S., Baumann, U. (2010), Acceptance and fitting of the DUET device - A combined speech processor for electric acoustic stimulation. *Advances in Oto-Rhino-Laryngology*, 67, pp. 81-87. DOI: 10.1159/000262599

Punte, A.K., Vermeire, K., Van De Heyning, P. (2010), Bilateral electric acoustic stimulation: A comparison of partial and deep cochlear electrode insertion: A longitudinal case study. *Advances in Oto-Rhino-Laryngology*, 67, pp. 144-152. DOI: 10.1159/000262606

Skarżyński, H., Lorens, A. (2010), Electric acoustic stimulation in children. *Advances in Oto-Rhino-Laryngology*, 67, pp. 135-143. DOI: 10.1159/000262605

Gifford, R.H., Dorman, M.F., Brown, C.A. (2010), Psychophysical properties of low-frequency hearing: Implications for perceiving speech and music via electric and acoustic stimulation. *Advances in Oto-Rhino-Laryngology*, 67, pp. 51-60. DOI: 10.1159/000262596

Seldran, F., Thai-Van, H., Truy, E., Beliaeff, M., Berger-Vachon, C., Collet, L., Gallego, S. (2010), Restitution of audibility from higher frequencies to 1000 Hz in the case of hypoacusis [Restitution de l'audibilité des fréquences supérieures à 1000 Hz dans le cas de surdités partielles]. *Cahiers de l'Audition*, 23 (4), pp. 24-33.

Cosetti, M.K., Lalwani, A.K. (2010), Cochlear implants: An update. *Otorinolaringologia*, 60 (2), pp. 101-114.

Prentiss, S., Sykes, K., Staecker, H. (2010), Partial deafness cochlear implantation at the University of Kansas: Techniques and outcomes. *Journal of the American Academy of Audiology*, 21 (3), pp. 197-203. DOI: 10.3766/jaaa.21.3.8

Vollmer, M., Hartmann, R., Tillein, J. (2009). Neuronal responses in cat inferior colliculus to combined acoustic and electric stimulation. *Cochlear Implants and Hearing Preservation*, 67, pp. 61-69. DOI: 10.1159/000262597

Helbig, S., Baumann, U. (2009), Acceptance and fitting of the DUET device - a combined speech processor for electric acoustic stimulation. *Cochlear Implants and Hearing Preservation*, 67, pp. 81-87. DOI: 10.1159/000262599

Punte, A.K., Vermeire, K., Van De Heyning, P. (2009), Bilateral electric acoustic stimulation: A comparison of partial and deep cochlear electrode insertion: A longitudinal case study. *Cochlear Implants and Hearing Preservation*, 67, pp. 144-152. DOI: 10.1159/000262606

Skarżyński, H., Lorens, A. (2009), Electric acoustic stimulation in children. *Cochlear Implants and Hearing Preservation*, 67, pp. 135-143. DOI: 10.1159/000262605

Gifford, R.H., Dorman, M.F., Brown, C.A. (2009), Psychophysical properties of low-frequency hearing: Implications for perceiving speech and music via electric and acoustic stimulation. *Cochlear Implants and Hearing Preservation*, 67, pp. 51-60. DOI: 10.1159/000262596

Skarżyński, H., Lorens, A., Piotrowska, A., Podskarbi-Fayette, R. (2009), Results of partial deafness cochlear implantation using various electrode designs. *Audiology and Neurotology*, 14 (SUPPL. 1), pp. 39-45. DOI: 10.1159/000206494

Wilson, B.S., Dorman, M.F. (2009), Cochlear implants: Current designs and future possibilities. *Journal of Rehabilitation Research and Development*, 45 (5), pp. 695-730. DOI: 10.1682/JRRD.2007.10.0173

Helbig, S., Baumann, U., Helbig, M., Von Malsen-Waldkirch, N., Gstoettner, W. (2008), A new combined speech processor for electric and acoustic stimulation - Eight months experience. *ORL*, 70 (6), pp. 359-365. DOI: 10.1159/000163031

Gifford, R.H., Dorman, M.F., Spahr, A.J., Bacon, S.P., Skarżyński, H., Lorens, A. (2008), Hearing preservation surgery: Psychophysical estimates of cochlear damage in recipients of a short electrode array. *Journal of the Acoustical Society of America*, 124 (4), pp. 2164-2173. DOI: 10.1121/1.2967842

Gstoettner, W.K., Van De Heyning, P., Fitzgerald O'Connor, A., Morera, C., Sainz, M., Vermeire, K., McDonald, S., Cavallé, L., Helbig, S., García Valdecasas, J., Anderson, I.,

Adunka, O.F. (2008), Electric acoustic stimulation of the auditory system: Results of a multi-centre investigation. *Acta Oto-Laryngologica*, 128 (9), pp. 968-975. DOI: 10.1080/00016480701805471

Pau, H.W., Just, T., Dahl, R., Sievert, U. (2008), Monitoring residual hearing during cochlear implantation by intra-operative brainstem audiometry. *Auris Nasus Larynx*, 35 (2), pp. 264-268. DOI: 10.1016/j.anl.2007.03.016

Śliwa, L., Kochanek, K., Durrant, J.D., Smurzynski, J. (2008), Audiology makes rapid advances in Poland. *ASHA Leader*, 13 (2), pp. 28-30.

Lorens, A., Polak, M., Piotrowska, A., Skarżyński, H. (2008), Outcomes of treatment of partial deafness with cochlear implantation: A DUET study. *Laryngoscope*, 118 (2), pp. 288-294. DOI: 10.1097/MLG.0b013e3181598887

Wilson, B.S., Dorman, M.F. (2008), Interfacing sensors with the nervous system: Lessons from the development and success of the cochlear implant. *IEEE Sensors Journal*, 8 (1), pp. 131-147. DOI: 10.1109/JSEN.2007.912917

Gifford, R.H., Shallop, J.K. (2007), Hearing preservation in patients with a cochlear implant. *ASHA Leader*, 12 (14), pp. 15-17+34.

Nourski, K.V., Abbas, P.J., Miller, C.A., Robinson, B.K., Jeng, F.-C. (2007), Acoustic-electric interactions in the guinea pig auditory nerve: Simultaneous and forward masking of the electrically evoked compound action potential. *Hearing Research*, 232 (1-2), pp. 87-103. DOI: 10.1016/j.heares.2007.07.001

Pau, H.W., Just, T., Dommerich, S., Behrend, D. (2007), Temporal bone investigations on landmarks for conventional or endosteal insertion of cochlear electrodes. *Acta Oto-Laryngologica*, 127 (9), pp. 920-926. DOI: 10.1080/00016480601075423

Skarżyński, H., Lorens, A., Piotrowska, A., Anderson, I. (2007), Partial deafness cochlear implantation in children. *International Journal of Pediatric Otorhinolaryngology*, 71 (9), pp. 1407-1413. DOI: 10.1016/j.ijporl.2007.05.014

Roland, P.S., Wright, C.G., Isaacson, B. (2007), Cochlear implant electrode insertion: The round window revisited. *Laryngoscope*, 117 (8), pp. 1397-1402. DOI: 10.1097/MLG.0b013e318064e891

Pau, H.W., Just, T., Bornitz, M., Lasurashvili, N., Zahnert, T. (2007), Noise exposure of the inner ear during drilling a cochleostomy for cochlear implantation. *Laryngoscope*, 117 (3), pp. 535-540. DOI: 10.1097/MLG.0b013e31802f4169