

Bibliography:

- Abbey, L. Berg., Jaclyn, B. Spitzer., Helen, M. Towers., Christine Bartosiewicz., & Beverly, E. Diamond.** (2005). Newborn Hearing Screening in the NICU: Profile of Failed Auditory Brainstem Response/Passed Otoacoustic Emission. *Journal of Pediatrics*, 116, 933-938.
- Aldosari, M., Altuwajri, M., & Husain, A. M.** (2004). Brain-stem auditory and visual evoked potentials in children with Krabbe disease. *Clinical Neurophysiology* 115, (7), 1653-1656.
- Alvarenga, K. F., Amorim, R. B., Agostinho-Pesse, R. S., Costa, O. A., Nascimento, L. T., & Bevilacqua, M. C.** (2012). 'Speech perception and cortical auditory evoked potentials in cochlear implant users with auditory neuropathy spectrum disorders. *Int Journal of Pediatric Otorhinolaryngology*. 76(9), 1332-8.
- Amatuzzi, M. G., Northrup, C., Liberman, M. C., Thornton, A., Halpin, C., Herrman, B., Pinto, L. E., Saenz, A., Carranza, A., & Eavey, R. D.** (2001). Selective inner hair cell loss in premature infants and cochlea pathological patterns from neonatal intensive care unit autopsies. *Archives of Otolaryngology Head and Neck Surgery*, 127, 629-636.
- American Speech- Language – Hearing Association (ASHA).** (1981). On the definition of Hearing Handicapped. In F. E. Musiek & W.F. Rintelmann (1999). (Ed.). *Contemporary Perspective in Hearing Assessment* (pp. 362). Boston: Allyn & Bacon.
- Anjali Lepcha, Reni, K. Chandran., Mathew Alexander., Ann Mary Augustine, K. Thenmozhi., and Achamma Balraj.** (2015). Neurological

associations in auditory neuropathy spectrum disorder: Results from a tertiary hospital in South India. *Annals of Indian Academy of Neurology*. 18(2): 171–180.

Astrid, Foerst., Dirk, Beutner., Ruth, Lang-Roth.,Karl-Bernd, Huttenbrink., Hasso, von. Wedel.,Martin Walger. (2006).Prevalence of auditory neuropathy/synaptopathy in a population of children with profound hearing loss. *Department of Otorhinolaryngology, Head and Neck Surgery, University of Cologne, Kerpener Strasse 62, 50924 Cologne, Germany.*

Audiologic Guidelines for the Assessment of Hearing in Infants and Young Children, American Academy of Audiology, August 2012. 4.

Berg, A. L., Spitzer, J. B., Towers, H. M., Bartosiewicz, C., & Diamond. B. E. (2005.) Newborn hearing 535 screening in the NICU: Profile of failed auditory brainstem response/passed otoacoustic emission. *Pediatrics*, 116(4) 933-938.

Berlin, C. I., Hood, L. J., Cecola, R. P., Jackson, D. F., & Szabo, P.(1993). Does type I afferent neuron dysfunction reveal itself through lack of efferent suppression? *Hearing Research*, 65, 40-50.

Berlin, C.I., Bordelon, J., St. John. P., Wilensky, D., Hurley, A., Kluka, E., & Hood, L. J. (1998). Reversing click polarity may uncover auditory neuropathy in infants. *Ear and Hearing*, 19(1), 37-47.

Berlin, C. L., Hood, L., Morlet, T., Den, Z., Goforth, L., Tedesco, S., Li, L., Buchler, K.,& Keats, B. (2000). The search for auditory neuropathy patients and connexin 26 patients in schools for the Deaf. *Abstracts of the Association for Research in Otolaryngology*, 19 (37-47), 23, 23-24.

Berlin, C. I., Hood, L. J., & Rose, K. (2001). On renaming auditory neuropathy as auditory dys-synchrony. *Audiology Today*. 13,15-17.

- Berlin, C. I., Morlet, T., & Hood, L. J.** (2003) Auditory neuropathy / dys-synchrony. Its diagnosis and management. *Pediatric Clinic of North America*, 50(2), 331-340.
- Berlin, C. I., Hood L. J., Morlet, T., & Wilensky, D.** (2005). Absent or elevated middle ear muscle reflexes in the presence of normal otoacoustic emissions: a universal finding in 136 cases of auditory neuropathy/dys-synchrony. *Journal of American Academy of Audiology*, 16, 546–553.
- Berlin, C. I., Hood, L. J., Morlet, T., Wilensky, D., Li, L., Mattingly, K.R., Taylor-Jeanfreau, J., Keats, B. J., John, P.S., Montgomery, E., Shallop, J. K., Russell B, A., & Frisch, S. A.** (2010). Multi-site diagnosis and management of 260 patients with auditory neuropathy/dys-synchrony (auditory neuropathy spectrum disorder). *International Journal of Audiology*, 49(1), 30-43.
- Bess, F.H., & Mc Connell, F.E.** (1981). Audiology, education and the hearing impaired child, C.V. Mosby Company, St. Louis. *Ear and Hearing*, 19(5), 339-354. **Bio-logic System Corp.** (2004). MASTER- Suggestion for Optimal Test Pcedure. Mundelein, III: Bio-Logic Corp.
- Beutner, D., Foerst, A., Lang-Roth, R., Von, Wedel. H., & Walger, M.** (2007). Risk factors for auditory neuropathy/auditory synaptopathy. *Journal for Oto-Rino-Laryngology*, 69(4), 239-44.
- Beutner D., Foerst, A., Lang-Roth, R., Von-Wedel, H., & Walger, M.** (2008). Risk Factors for Auditory Neuropathy/Auditory Synaptopathy. Department of *Otorhinolaryngology, Head and Neck Surgery*, University of Cologne, Cologne, Germany, 72(7), 1091-5.

- Bielecki, I., Horbulewicz, A., & Wolan, T.** (2012). Prevalence and risk factors for auditory neuropathy spectrum disorder in a screened newborn population at risk for hearing loss. *International Journal of Pediatric Otorhinolaryngology*, 76(11), 1668-70.
- Buchman, Craig. A., Roush, Patricia. A., Teagle, Holly, F. B., Brown, Carolyn, J., Zdanski, Carlton, J., Grose, & John, H.,** (2006). Auditory Neuropathy Characteristics in Children with Cochlear Nerve Deficiency. *Ear & Hearing*, 27(4), 399-408
- Bussoli, T. J., Kelly, A., & Steel, P.** (1997). Localization of the Bronx waltzer (bv) deafness gene to mouse chromosome 5. *Mammalian Genome* 10:714-717.
- Caldas, F.F., Silva, I. M., Teixeira, M.S., Deperon, T.M., Cardoso, C.C., Barreto, M.A., Oliveira, C.A., & Bahmad, F.** (2012) Source Auditory neuropathy spectrum: the importance of adequate diagnosis. *The International Tinnitus Journal*, 17(2), 194-9.
- Cardon, G. Campbell, J., & Sharma, A.** (2012). Plasticity in the developing auditory cortex: evidence from children with sensorineural hearing loss and auditory neuropathy spectrum disorder. *Journal of American Academy of Audiology*, 23(6), 396-411.
- Chandran, R., Alexander, M., Naina, P., & Balraj, A.** (2015). Auditory neuropathy spectrum disorder with Brown-Vialetto-Van Laere syndrome: challenges in hearing rehabilitation. *Journal of Laryngology & Otology*, 129(5), 504-8
- Corley, V.M., & Crabbe, L. S.** (1999). Auditory neuropathy and a mitochondrial disorder in a child: case study. *Journal of American Academy of Audiology*, 10(9), 484-488.

- Craig, A., & Buchman.** (2014). Making Sense of Auditory Neuropathy Spectrum Disorder. *Hearing Journal*, (6), 8,9,12.
- Deltenre, P., Mansbach, A. L., Bozet, C., Clercx, A., & Hecox, K. E.** (1997). Auditory neuropathy: A report on three cases with early onsets and major neonatal illnesses. *Electroencephalography and Clinical Neurophysiology*, 104, 17-22.
- Delmaghani, S., Castillo, F. J., & Michel, V.** (2006). Mutations in the gene encoding pejkakin, a 550 newly identifies protein of the afferent auditory pathway, cause DFNB59 auditory neuropathy. *Nature Genetics*, 38, 770-778.
- Deol, & Kocher, W.** 1958. A new gene for deafness in the mouse. *Heredity*, 12, 463-466.
- Duman, K., Aycicek, A., Sargin, R., Kenar, F., Yilmaz, M. D., Derekoy, F. S.** (2007). Incidence of auditory neuropathy among the deaf school students. *International Journal of Pediatric Otorhinolaryngology*. 69, 239–244.
- Duman, K., Aycicek, A., Sargin, R., Kenar, F., Yilmaz, M. D., & Derekoy, F. S.** (2008). Incidence of auditory neuropathy among the deaf school students. *International Journal of Pediatric Otorhinolaryngology*, 72(7), 1091-5.
- Dunkley, C., Farnsworth, A., Mason, S., Dodd, M., & Gibbin, K.** (2003). Screening and follow up assessment in three cases of auditory neuropathy. *Archive of Diseases in Childhood*, 88, 25-26.
- Emami, S. F., & Farahani, F.** (2015). Saccular dysfunction in children with sensorineural hearing loss and auditory neuropathy/auditory dys-synchrony. *Acta Otolaryngology*, 6, 1-6.

- Feirn, R., Sutton, G., Parker, G., Sirimanna, T., Lightfoot, G., & Wood, S.** (2013). Newborn Hearing Screening and Assessment. Guidelines for the Assessment and Management of Auditory Neuropathy Spectrum Disorder in Young Infants. *Version 2.2. NHSP Clinical Group. Correspondence to Newborn Hearing Screening Programme Centre, Grays Inn Rd, London WC1X 8BP, UK, 344-354.*
- Foerst, A., Beutner, D., Lang-Roth, R., Huttenbrink, K. B., von Wedel, H., & Walger, M.** (2006). Prevalence of auditory neuropathy/synaptopathy in a population of children with profound hearing loss. *International Journal of Pediatric Otorhinolaryngology*, 70(8), 1415-1422.
- Foulon, I., Vleurinck, L., Kerkhofs, K., Gordts, F.** (2015). Hearing configuration in children with cCMV infection and proposal of a flow chart for hearing evaluation. *International Journal of Audiology*, 12, 1-6.
- Gibson, W. P., & Graham, J. M.** (2008). Editorial: 'auditory neuropathy' and cochlear implantation - myths and facts. *Cochlear Implants International*, 9(1), 1-7.
- Guidelines Development Conference on the Identification and Management of Infants with Auditory Neuropathy**, *International Newborn Hearing Screening Conference*, Como, Italy, June 19-21, 2008. 2.
- Guidelines for Cochlear Microphonic Testing, Version 2.0**, *Newborn Hearing Screening Programmes Clinical Group*, Manchester, UK, September 2011. 3.
- Guidelines for Identification and Management of Infants and Young Children with Auditory Neuropathy Spectrum Disorder.** (2008). *The Bill Daniels Center for Children's Hearing*, The Children's Hospital, Colorado,

USA.http://www.ninds.nih.gov/disorders/charcot_marie_tooth/detail_charcot_marie_tooth.htm

- Harrison, & Robert, V.** (1998). An Animal Model of Auditory Neuropathy. *Ear & Hearing*, 19(5), 355-361.
- Hood, L. J., & Berlin, C.I.** 2001. Efferent suppression in patients with auditory neuropathy. In: Starr A, Sininger YS. Auditory Neuropathy. San Diego: Singular Publishing Group.
- Hood, L. J., Wilensky, D., Li, L., & Berlin, C. I.** (2004). The role of FM technology in the management of patients with auditory neuropathy / dys-synchrony. From ACCESS- Proceedings of 1st international FM conference (Fabry and Johnson eds) November 2003, 107-111, Phonak.
- Huang BY, Roche JP, Buchman CA, Castillo M.** (2010). Brain stem and inner ear abnormalities in children with auditory neuropathy spectrum disorder and cochlear nerve deficiency. *American Journal of Neuroradiology*, 31, 1972-1079.
- Hood, L. J.** (2015) Auditory Neuropathy/Dys-Synchrony Disorder: Diagnosis and Management. *Otolaryngology Clinic of North America*.
- John, wiley.** (2006). Prevalence and audiological characteristics in individuals with auditory neuropathy/auditory dys-synchrony. *International Journal of Audiology*. Pediatric Audiological Med (sec Edition), John Wiley & Sons Ltd. The atrium southern gate, Chichester, West, Sussex, PO198SQ, United Kingdom, 45, 6.
- Joseph, P. Roche., Benjamin, Y. Huang., Mauricio, Castillo., Marc, K. Bassim., Oliver, F. Adunka., and Craig, A. Buchman,** (2010). Imaging Characteristics

of Children with Auditory Neuropathy Spectrum Disorder. *Journal of otology Neurotology*, 31(5), 780-788.

Karen, Jo. Doyle, Yvonne Sininger, and Arnold Starr. (2009). Auditory neuropathy in childhood. *The Laryngoscope*.108 (9), 1374–1377.

Kim, T. B., Isaacson, B., Sivakumaran, T. A., Starr, A., Keats, B. J. B., Lesperance, M. M. (2004). A gene responsible for autosomal dominant auditory neuropathy (AUNA1) maps to 13q14-21. *Journal of Medical Genetics*, 41, 872-876.

Kimitaka, Kaga., Masaichi, Nakamura., Masanobu, Shinogami., Toshihiro, Tsuzuku., Katstishi, Yamada., & Mitsuko, Shindo. (1996). Auditory Nerve Disease of Both Ears Revealed by Auditory Brainstem Responses, Electrocochleography and Otoacoustic Emissions. *Scandinavian Audiology*, 25, (4), 233-238.

Korver, A. M., Van Zanten, GA., Meuwese-Jongejeugd, A., Van Straaten, H. L., & Oudesluys-Murphy, A., M. (2012). Auditory neuropathy in a low-risk population: a review of the literature. *International Journal of Pediatric Otorhinolaryngology*.76 (12), 1708-1.

Kothe, C., Fleischer, S., Breiffuss, A., & Hess, M. (2006). Unilateral auditory neuropathy. A rare differential diagnosis of unilateral deafness. *Germany. c.kothe@uke.uni-hamburg.de*,54:215-220.

Kraus, N., Ozdamar, O., Stein, L., & Reed, N. (1984). Absent auditory brain stem response: peripheral hearing loss or brain stem dysfunction? *Laryngoscope*, 94 (3), 400-6.

- Kumar, U. A., & Jayaram, M. M.** 2006. Prevalence and audiological characteristics in individuals with auditory neuropathy/auditory dys-synchrony. *International Journal of Audiology*, 45(6):360-366
- Kursat, Duman., Abdullah, Aycicek., Ramazan, Sargin., Fethullah, Kenar., Mustafa, Deniz., Yilmaz, F., & Sefa, Derekoy.** (2008). Incidence of auditory neuropathy among the deaf school students. *International Journal of Pediatric Otorhinolaryngology*, 72 (7), 1091–1095.
- Lee, J. S., McPherson, B., Yuen, K. C., & Wong, L. L.** (2001) Screening for auditory neuropathy in a school for hearing impaired children. *International Journal of Pediatric Otorhinolaryngology*, 61(1), 39-46.
- Lepcha, A., Chandran, R.K., Alexander, M., Agustine, A.M., Thenmozhi, K., & Balraj, A.**(2015). Neurological associations in auditory neuropathy spectrum disorder: Results from a tertiary hospital in South India. *Annals Indian Academy of Neurology*, 18(2), 171-80.
- Lotfi, Y., & Mehrkian, S.** (2007). The prevalence of auditory neuropathy in students with hearing impairment in Tehran, Iran. *Archives of Iranian Medicine*, 10(2), 233-5.
- Madden, C., Rutter, M., Hilbert, L., John, H., Greinwald, J. H., & Choo, D. L.** (2002). Clinical and Audiological Features in Auditory Neuropathy. *Archives of Otolaryngology- Head Neck Surgery Journal*. 128(9), 1026-1030.
- Manchaiah, V. K., Zhao, F., Danesh, A. A., & Duprey, R.** (2011). The genetic basis of auditory neuropathy spectrum disorder (ANSND). *International Journal of Pediatric Otorhinolaryngology*, 75(2), 151-8.

- Maris, M., Venstermans, C., & Boudewyns, A. N.**(2011). Auditory neuropathy/synchrony as a cause of failed neonatal hearing screening. *International Journal of Pediatric Otorhinolaryngology*, 75(7), 973-5.
- McCall, L.F., Franco, N., Macpherson., C., Martinho, S., Reitz., P., Ritch, J., & Roush, P.** (2011). Understanding Auditory Neuropathy: Diagnosis and Management EHDI: Partnering for Progress Raleigh, NC. *University of North Carolina School of Medicine Chapel Hill, North Carolina, USA University of North Carolina Department of Otolaryngology UNC Hospitals*. 26-28.
- Mc Mahon., Catherine, M., Patuzzi, Robert, B., Gibson, William, P. R., Sanli, & Halit.** (2008).Frequency-Specific Electrocochleography Indicates that Presynaptic and Postsynaptic Mechanisms of Auditory Neuropathy Exist.*Ear & Hearing*, 29(3) 314-325.
- Mittal, R., Ramesh, A. V., Panwar, S. S., Nilkanthan, A., Nair, S., & Mehra, P.R.**(2012). Auditory neuropathy spectrum disorder: its prevalence and audiological characteristics in an Indian tertiary care hospital. *International Journal of Pediatric Otorhinolaryngology*, 76(9), 1351-4.
- Mohd Khairi, Normastura AR, Wan Zaharah AW.** (2009). Auditory neuropathy: three cases among a group with sensorineural hearing loss.*Singapore Medicine Journal*, 50(9), 324-5.
- Penido, R. C., & Isaac, M. L.** (2013). Prevalence of auditory neuropathy spectrum disorder in an auditory health care service.*Brazilian Journal of Otorhinolaryngology*, 79 (4).
- Rapin, I., & Gravel, J.**(2003). “Auditory neuropathy”: physiologic and pathologic evidence calls for 530 more diagnostic specificity. *International Journal of Pediatric Otorhinolaryngology*, 67, 707-728.

- Rance, G., Beer, D. E., Cone-Wesson, B., Shepherd, R. K., Dowell, R. C., King, A. M., Rickards, F.W., & Clark, G.M.** (1999). Clinical findings for a group of infants and young children with auditory neuropathy. *Ear and Hear*, 20(3), 238-52.
- Rance, G., Cone-Wesson, B., Wunderlich, J., & Dowell, R.** (2002). Speech perception and cortical event related potentials in children with auditory neuropathy. *Ear and Hearing*, 23 (3), 239-253.
- Rance, G., McKay, C., & Grayden, D.** (2004). Perceptual characterization of children with auditory neuropathy. *Ear and Hearing*. 25(1):34-46.
- Rance, G.** (2005). Auditory Neuropathy/Dys-synchrony and Its Perceptual Consequences. *Trends in Amplification*, 9(1), 1-43.
- Roche, J. P., Huang, B. Y., Castillo, M., Bassim, M. K., Adunka, O. F., & Buchman, C. A.** (2010). Imaging characteristics of children with auditory neuropathy spectrum disorder. *Journal of Otology & Neurotology*, 31(5), 780-8.
- Santarelli, R., Del Castillo, I., Cama, E., Scimemi, P., Starr, A.** (2015). Audibility, speech perception and processing of temporal cues in ribbon synaptic disorders due to OTOF mutations, 15, 147-9.
- Satya-Murti, S., Cacace, A., Hanson, P.** Auditory dysfunction in Friedreich ataxia: result of spiral ganglion degeneration. *Neurology*, 30, 1047-1053.
- Satya-Murti, S., Cacace, A. T., Hanson, P. A.** Abnormal auditory evoked potentials in hereditary motor-sensory neuropathy. *Annals of Neurology*.5, 445-448, 1979.
- Schoen, C. J., Emery, S. B., Thorne, M. C., Ammana, H. R., Sliwerska, E., Arnett, J., Hortsch, M., Hannan, F., Burmeister, M., & Lesperance, M.**

- M.**(2010). Increased activity of Diaphanous homolog 3 (DIAPH3)/diaphanous causes hearing defects in humans with auditory neuropathy and in *Drosophila*. *Proceeding of National Academy of Science*. 107, 13396-13401.
- Shehata-Dieler, W., Volter, C., Hildmann, A., Hildmann, H., Helms, J., Trautwein P., Sininger, Y., & Nelson, R.** (2000). Cochlear implantation of auditory neuropathy. *Journal of the American Academy of Audiology* 11:309-315.
- Simmons, J., & Beauchaine, K.I.** (2000). Auditory neuropathy: Case study with hyperbilirubinemia. *Journal of the American Academy of Audiology*, 11,337-347.
- Sininger, Y. S.** (2002). Identification of Auditory Neuropathy in Infants and Children. *Seminars in Hearing*, 23 (3), 193-200.
- Sininger, Y.S., & Starr, A.** (2001). Auditory Neuropathy: A New Perspective on Hearing Disorders. *Singular Thompson Learning*; San Diego.
- Spankovich, C.,& Lustig, R.**(2007). Restoration of Brain Stem Auditory-Evoked Potential in Maple 555 Syrup Urine Disease. *Journal of Medical Neurotology*, 28(4), 566-569.
- Spoendlin, H.**(1974). Opticocochleovestibular degenerations in hereditary ataxias. II. Temporal bone pathology in two cases of Friedreich's ataxia with vestibulo-cochlear disorders. *Brain*, 97, 41-8.
- Starr, A., Picton, T. W.,& Sininger, Y.**(1996). Auditory neuropathy. *Brain* 119, 741-753.
- Starr, A., Sininger, Y.S.,& Pratt, H.**(2000). The varieties of auditory neuropathy. *Journal of Basic Clinical Physiology and Pharmacology*, 11, 215-230.

- Stuart.A., & Mills, K. N.**(2009). Late-onset unilateral auditory neuropathy/dysynchrony: a case studying *.Journal of American Academy ofAudiology*, 20(3), 172-9.
- Tang, T. P., McPherson, B., Yuen, K. C., Wong, L. L., & Lee, J. S.** (2004). Auditory neuropathy/auditory dyssynchrony in school children with hearing loss: frequency of occurrence *International Journal of Pediatric Otorhinolaryngology*, 68, 175-183.
- Teresa, Y. C. Ching., Julia, Day., Harvey, Dillon., Kirsty, Gardner-Berry., Sanna, Hou., Mark, Seeto., Angela, Wong., and Vicky, Zhang.** (2013).Impact of the presence of auditory neuropathy spectrum disorder (ANSO) on outcomes of children at three years of age. *International Journal of Audiology*. 52(02), 10.
- Unal, M., & Vayisoglu, Y.** (2015). Auditory neuropathy/ dyssynchrony: a retrospective analysis of 15 cases.*International Archives of Otorhinolaryngology*, 19(2), 151-5.
- Vandana, V.P., Bindu, P.S., Nagappa, M., Sinha, S., & Taly, A.B.** (2015).**Audiological findings in Infantile Refsum disease.** *International Journal of Pediatric otorhinolaryngology*, 79(8), 1366-9.
- Varga, R., Kelley, P. M., Keats, B. J., Starr, A., Leal, S. M., Cohn, E., & Kimberling, W. J.** (2003). Non-syndromic recessive auditory neuropathy is the result of mutations in the otoferlin (OTOF) gene. *Journal of Medical Genetics*, 40, 45-50.
- Wang, Q., Gu, R., Han, D., Yang, W.** (2003). Familial auditory neuropathy *.Laryngoscope*, 113(9), 1623-9.

- World Health Organization (WHO).** (1980). Baltimore, Williams and Wilkins. In, Aural rehabilitation of adults with hearing impairment. In Katz, J. (1994). (Eds). Handbook of Clinical Audiology, (pp. 777).
- Wurzburg, U., Hals-Nasen, K. P. F., & Wurzburg, O. (2007).** Clinical and audiological findings in children with auditory neuropathy. *Laryngo Rhino Otologie Journal*, 86(1), 15-21.
- Xoinis, K., Weirather, Y., Mavoori, H., Shaha, S. H., and Lwamoto, L. M. (2007).** Extremely low birth weight infants are at high risk for auditory neuropathy. *Journal of Perinatology*. 27, 718–723.
- Zeng, F. G., Oba, S., Garde, S., Sininger, Y., & Starr, A. (1999).** Temporal and speech processing deficits in auditory neuropathy. *Neuroreport*. 10(16):3429-35.
- Zeng, F. G., & Liu, S. (2006).** Speech perception in individuals with auditory neuropathy. *Journal of Speech, Language, and Hearing Research*, 49, 367–380.