EVOKED RESPONSE AUDIOMETRY BIBLIOGRAPHY

Registration No. 8613
LANU W F

All India Institute of Speech & Hearing
MYSORE-570 006.

MAY-1987

IN MEMORY OF MY BELOVED PAPA LATE S LANU
SISTER LATE CHIMNEIRENG LANU, BROTHER
LATE RAISHO LANU AND LATE ROMEO, SERTO..

CERTIFICATE

This is to certify that the Independent Project entitled "Evoked Response Audiometry Bibliography" is the bonafide of Master of Science (Speech and Hearing) of the student with Register No.8613.

Dr.M.Nithya Seelan
Director
All India Institute of Speech and Hearing,
Mysore - 570 006.

CERTIFICATE

This is to certify that the Independent Project entitied: Evoked Response Audiometry Bibliography: has been prepared under my supervision and guidance.

Nikam

GUIDE

Dr.(Miss) S.Nikam,
Prof. &Head,
Audiology Department.

DECLARATION

This Independent Project is the result of my own work under the guidance of Dr.(Miss) S.Nikam, Professor and Head of the Department of Audiology, All India Institute of Speech and Hearing, Mysore, and has not been submitted earlier at any University for any other Diploma or Degree.

Mysore Reg.No.8613

May 1987.

ACKNOWLEDGEMENTS

I am grateful to -

Dr.(Miss) S.Nikam, Professor and Head of the Department of Audiology, All India Institute of Speech and Hearing, Mysore, for her inspiring suggestions, guidance and constant help with which this project in its present form could have been possible.

Dr.M.Nithya Seelan. Director, AIISH, Mysore, for his permission to do this project.

Mrs.Asha Yathiraj, Research Officer, Department of Audiology, AIISH, Mysore for her constant help to complete this project in time.

Mr.Y.Krishnan, V.Shankarnarayan, Mohan Natarajan, S.Tharmar, G.Sowmyanarayan, Ramkishan, S.Bag, O.Balaji, for helping me to finish the job at a short notice.

My sister-in-law Mrs.Ngaknu Lanu for her encouragement.

Ms.Rajalakshmi R Gopal for patience and neat typing.

SUBJECT INDEX

INTRODUCTION

INTRODUCTION

A number of books in the broad area of ERA (Evoked Response audiometry) have been published. With the increase in technology in Evoked Response Audiometry a large literature has gradually accumulated.

As far as possible, different types of ERA findings by different investigators are given separately in this bibliography. The period covered is from 1978 to 1986. Here, interested reader and researcher will find an expansive listening books, articles on the subject of of ERA. This bibliography should serve to make the reader and researcher for relevant published reports and data easier than if one has to laboriously search through more general Books etc.

Additions to this bibliography is contemplated for future. The users of the bibliography may send their suggestions to the author.

ANIMAL

ANIMAL

Aran, J.M., Derived evoked potentials for continues tones using a hybrid electrical-acoustical stimulation. Hearing Research, 20, 1985, 289-93.

Bail, L.L., Electrically induced potentiation of the sight nerve responses. Journal of Auditory Research. 22, 1982, 107-30.

Buchwald, J.S., Auditory evoked responses in clinical populations and in the cat. Auris.Nasus.Larynx, 10, 1983, 87-95.

Caird, P., Sontheimer, D., Klinka, R., Intra- and extra cranially recorded auditory evoked potentials in the cat. Electroeacephalography and clinical Neurophysiology. 61, 1985, 50-60.

Cepeda, C, et al. Position emission tomography ia a case of experimental focal epilepsy in the baboon. Electroencephalography and Clinical Neurophysiology, 54, 1982, 87-90.

Charlet, D.E., Sauvage, R., Origins of eight nerve unit response pattern in round window cap recordings. Hearing Research, 18, 1985, 121-125.

Charlet De Sauvage, R., et al. Acoustically derived auditory nerve action potentials evoked by electrical stimulation: An estimation of the waveform of single unit contribution. Journal of Acoustical Society of America, 73, 1983, 616-627.

Cheatham, M.A., Dallos, P., Two-tone interactions in the cochlear microphonic. Hearing Research, 3, 1982, 29-48.

Chen, C.S., Saunders, J.C., Effects of Kanamycin on cochlear nuclear evoked responses and behavioral responses in C57B/6J mice. Experimental Neurology, 83, 1984, 461-7.

Cook, R.O., et al. Brainstem evoked responses of guinea pigs exposed to high noise levels in utero. Dev. psychobiol., 15, 1982, 95-104.

Crawford, A.C., Fettiplace, R., Auditory nerve responses to imposed displacements of the turtle basilar membrane. Hearing Research, 12, 1983, 199-208.

Creel, D., Lonlee, J.W., Parks, T.N., Auditory brainstem anamolies,in albino cats, evoked potential studies. Brain Research, 260, 1983, 1-9.

Deelen, V.G.W., smooreburg, G.F., Electrocochleography for differrnt electrode positions in Guinea pig. Acta. Otolaryngol, 101, 1986, 207-216.

Deutsch, E., et al. The persistance of somatosensory and auditory pathway evoked potentials in severe hypo—glycemia in the cat. Electroencephalography and Clinical Neurophysiology, 61, 1985, 161-164.

Doble, R.A., Wilson, M.J., ghort-latency auditory responses obtained by cross correlation. Journal of Acoustical Society of America, 76,1984, 1411-1421.

Dolan, T.G., et al. Brainstem, whole-nerve AP and single-fiber suppression in the gerbil Normative data. Hearing Research, 18, 1985, 203-210.

Dolan, T.G., Mills, J.H., schmiedt, R.A., A comparison of brainstem whole nerve AP and single-fiber tuning curves in the Gerbil: normative data. Hearing Research, 17, 1985, 259-266.

Dolbakyan, E.B., Evoked potentials in the neocortical projection areas of dogs trained for short-delay, defensive instrumental conditioned reflex. Neurosci.Behav. Physiol, 12, 1982, 451-7.

Dum, N., Post natal development of the auditory evoked brainstem potentials in the guinea pig. Acta.Otolaryngol. 97, 1984, 63-68.

Dum, N., Effects of age upon auditory evoked potentials from the inferior colliculua and cortex in the guinea pig. Archives of Otorhinolaryngology, 238, 1983, 251-61.

Evans, W.J., Webster, D.B., Cullen, J.K., Auditory brainstem responses in neonatally sound deprived CBA/J Mice. Hearing Research, 10, 1983, 269-277.

Pen, A.S., Quantitative analysis of intensity-rate and intensity-latency functions in peripheral auditory nerve fibers of Northern Leopard frogs, Hearing Research, 6, 1982, 241-6.

Frank, M.P., steel, K.P., BocK, G.R., Electrical stimulation of the cochleae nerve in deafness mice. Arch.0to-laryngol, 109, 1983, 526-29.

Frostig, K.D., at al. The effects of stimuli on the activity and functional connectivity of local neuronal groups in the cat auditory cortex. Brain Research, 172, 1983, 211-21.

Glass, 1., Tuning characteristics of cochlear nucleus units in response to electrical stimulation of the cochlea. Hearing Research, 12, 1983, 223-37.

Harrison, R.V., Palmer, A.R., Neurone response latency in the inferior colliculua in relation to the auditory brainstem response (ABR) in guinea pig. Scand. Audiol, 13, 1984, 275-81.

Henry, K.R., Tuning of the auditory brainstem off responses is complementary to tuning ofthe auditory brainstem on response. Hearing Research. 19, 1985, 115-125.

Henry, K.R., On and off components of the auditory brainstem response have different frequency - and intensity specific properties. Hearing Research, 18, 1985, 245-251.

Henry, K.R. Auditory brainstem volume - conducted responses: origins in the laboratory mouse. J.Amer.Audiol. Soc. 4, 1979, 173-78.

Henry, K.R., Chole, R.A., McGinn, M.D., Age-related increase of spontaneous auditory cholesteotoma in the Mongolian Gerbil, Arch.Otolaryngol, 109, 1983, 19-21.

Henry, K.R., Lepkowski, CM., Evoked potential correlates of genetic progressive hearing loss. Age related changes from the ear to the inferior colliculus of C57BL/6 and CBA/J mice. Acta.Oto-larvngol, 86, 1978, 366-74.

Honert, C.V.D., stypulkowski, P.H., Characterization of the electrically evoked auditory brainstem response in cats and humans. Hearing Research, 21, 1986, 109-126.

Homer, K.C., Bock, G.R., Single unit responses in the cochlear neucleus of the deaf quivering mouse. Hearing Research, 13, 1984, 63-72.

Horner, K.C., et al. Distortion product otoacoustic emission in hearing impaired mutant mice. Journal of Acoustical Society of America, 78, 1985, 1603, 1611.

Homer, K, De Rihaupierre, Y., de Ribaupierre, ?., Neural correlates of cubic difference tones in the medial geniculate body of the cat. Hearing Research, 11, 1963, 343-57.

Howe, S.W., Decker, T.N., Monaural and binaural auditory brain-stem responses in relation to the psychophysical loudness growth function. Journal of Acoustical Society of America, 76, 1984, 739-45.

Iwasa, H., Pctsic, W.P., Maturational change of early, middle, and late components of the auditory evoked responses in rats. Otolaryngol.Head Neck surg. 90, 1982, 95-102.

Javel, E., et al. suppression of auditory nerve responses, II suppression threshold and growth, 180—suppression contours. Journal of Acoustical society of America, 74, 1933, 801-13.

Jones, L.3., Disterhoft, J.F., The effect of auditory stimulus rate on deoxy—glucose untake in rabbit inferior eolliculus, Brain Research, 279, 1983, 85-91.

Kassl, M., Vater, M., Evoked acoustic emissions and cochlear micrqphonics in the mustache bat.pteroustus pamellii. Hearing Research. 19, 1985, 157-170.

Kettner, R.E., Feng, J.Z., Brugge, J.F., Post natal development of the phase-locked response to low frequency tones of auditory nerve fibers in the cat. J.Neurosci, 5, 1985, 275-83.

Khaiutin, S.N., Dmitrieva, L.P., Auditory evoked potentials and acoustically—directed behaviour of restlings. ZH Vyssh Nerv Deiat, 32, 1932, 520-30.

Kliavina, M.P., Kassil, V.G., Relation between evoked potentials in the auditory cortex of the rabbit and the functional status of the reinforcing system of the brain. Zh.Vyssh Nerv Deiat, 33, 1983, 761-3.

Klis, J.F.L., Smoorenburg, G.P., Modulation at the guinea pig round window of sumiting potentials and compound action potentials by low frequency sound. Hearing Research, 20, 1985, 15-23.

Koh, M., Changes of BSR by destruction of superior olivary nuclei in Cats. Audiol.Jap. 21, 1973, 645-652.

Kraus, N., et al. Auditory brainstem and middle latency responses in non-human primates. Hearing Research, 17, 1985, 219-226.

Kuper, P,, Rutten, W.L.C., AP Unmasking and AP tuning in Guinea Pig, Hearing Research. 12, 1983, 209-222.

Kusakadri, J., et al. Reduction of the endocochlear potential by the new 'loop' diuretic bumetaaide, Acts. Oto.Laryagol, 36, 1978, 336-341.

Kuwada, S., Yin, T.C., Binaural interaction in low frequency neurona in inferior coliiculus of the cat, I effects of long interaural delays, intensity, and repetition rate on interaural delay function. Journal of Neurophvsiology, 59, 1983, 981-99.

Lamm, H., Lehnhardt, E., Lamm, K., Instrumental perforation of the round windows Animal experiments using cochleography and ERA. Acta Otolaryngol(Stockh), 98, 1984, 454-61.

Laukli, E., Mair, I.W.s., Early auditory responses, filtered effects. audiology, 20, 1981, 300-312.

Laukli, E., Mair, I.W.S., Early auditory-evoked responses: Spectral eontent. Audiology, 20, 1981, 453-469.

Laukli, E., Mair,I.W.S., Auditory brainstem responses of the Cat: on and off responses. Audiology, 24, 1985, 217-226.

Lee, A.H., Moller, A.R., Effects of sympathetic stimulation on the round window compound action potential in the rat. Hearing Research, 19, 1985, 127-34.

Liberman, M.C., Kiang, N.Y., Acoustic trauma in Cats, Cochlear pathology and auditory-narve activity. Acta Oto-Laryngol, 358, 1978, 63.

Lusted, H.S., Simons, ?.3., Interaction of cortical evoked potentials to electrical and acoustical stimuli. Journal of Acoustical society of America, 76, 1984, 449-55.

Maear, F., Vitton, N., Contingent negative variation and accuracy of time estimation: A study on cats, Electroencephalography and Clinical Neurophysiology, 47, 1979, 213-228.

Mair, I.W.S., Elverland, A.H., Laukli, E., Brain stem responses of the cat and interaural attenuation. Arch. Ohr. Nas.Kehlkopfbeilk, 222, 1979, 113-18.

Mair,I.W.s., Elverland, H.H., Laukli, E., Development of early auditory-evoked responses in the cat. Audiology, 17, 1978, 469-488.

Mair, I.W.s., et al. Early auditory evoked responses in the Cat: Rate effects. Audiology, 18, 1979, 265-278.

Makishima, K., Hearing thresholds in Guinea pigs. Audiol Jap 22, 1979, 109-112.

Martin, G.K., et al. spontaneous otoacoustic emissions in the nonhuman primate: A survey, Hearing Research, 20, 1985, 91-95.

Martin, G.K., et al.Endolymphatic hydrops in the rabbit; Auditory brainstem responses and cochlear morphology. Hearing Research, 12, 1983, 65-87.

McGee, T.J., Ozdamar, 0., Kraus, N., Auditory Middle latency responses in the guinea pig. Am.J.Otolaryngol, 4, 1983, 116-22.

Megela, A.Z., Diversity of adaptation patterns in responses of eight nerve fibers inthe bulfrog. Journal of Acoustical society of America, 75, 1984, 1155-62.

Miller, G.W., Josey, A.F., Acoustic neuroma! Results of brain stem evoked audiometry. South.Med.J, 71, 1978, 1062-1064.

Mitani, A., Shimokonchi, M., Nomura, S., Effects of stimulation of the primary auditory cortex upon colliculogiculate neurons in the inferior Colliculus of the cat. Neurosci Let, 42, 1983, 185-9.

Moller, A.R., Effect of click spectrum and polarity on round window NIN_2 response in the rat. Audiology, 25, 1986, 29-43.

Muller, P.P., Mitzdorf, U., Functional anatomy of the inferior colliculus and auditory cortex; current source density analyses of click - evoked potentials. Hearing Research, 16, 1984, 133-42.

Nuttall, A.L., Influence of direct current on dc receptor potentials from cochlear inner hair cells in the guinea pig. Journal of Acoustical society of America, 77, 1985, 165-75.

Omata, T., Schatzle, W., Electron microscopical studies on the nerve endings of the outer hair cells in acoustically exposed rabbits. Journal of Laryngology and Otology, 97, 1983, 891-9.

Onchi, T., et al. Electrocochleographic study on effect of white noise exposure in guinea pig. Audiol. Jap. 22, 1979, 113-211.

Palmer, A.R., Harrison, R.V., Suppression by tones of the click evoked compound action potential in the normal and pathological guinea-pig cochlea and in man. Scand.Audiol. 14, 1985, 67-74.

Pettigrew, A.G., Carlile, S., Auditory responses in the torus semicercularis of the cane tond, Bufo marinus, I Field potential studies. Proc.R.Soc.Lond, 222, 1984, 231-42.

Phillips, D.p., Orman, S.S., Responses of single neurons in posterior field of cat, auditory cortex to tonal stimulation. J.Neurophysiol, 51, 1984, 147-63.

Remond, M.C., Harrison, R.V., Leguix, J.P., A comparison of compound action potential and cochlear micro-phonic. Two-tone suppression in the guinea pig. Hearing Research, 8, 1982, 83-91.

Schwent, V.L., Jewett, D.L., Far-field cochlear microphonic responses to continous pure tones recorded from the scalps of cats. Electroencephalography and Clinical Neurophysiology, 48, 1980, 527-534.

Serkov, F.N., Volkov,I.0., Responses of neurons of the auditory cortex in the cat to exposure to tones of diffe-rent frequencies and electrical stimulation of the corresponding portions of the cochlea, Neirofizioloaiia, 15, 1983, 34.

Shepherd, R.K., Clark, CM., Black, R.C., Chronic electrical stimulation of the auditory nerve in cats, physiological and histopathological results. Acta Oto-laryngoloqica, 399, 1983, 19-31.

Shipley, C., Strecker, G., Buchwald, J.S., Binaural interaction effects on the auditory brainstem response of the cat and kitten. Brain Research, 321, 1984, 299-309.

Sikora, M.A., Morizono, T., Latency following acute puretone Trauma, Hearing Research, 11, 1983, 93-101.

Sims, M.H., Moore, R.E., Auditory evoked response in the clinically normal dog: early latency components. AmJ.Vet.Res, 45, 1984, 2019-27.

Sims, M.H., Moore, R.E., Auditory evoked response in the clinically normal dog; middle latency components. Am. J.Vet Res, 45, 1984, 2028-33.

Snyder, R.L., schreiner, C.E., Forward masking of the auditory nerve neurophonic and the frequency following response (FFR), Hearing Research, 20, 1985, 45-62.

Sohmer, H., Gafni, M., Chisin, R., Auditory nerve-brainstem potentials in man and cat under hypoxic and hypercapnic conditions. Electroencephalography and Neurophysiology, 53, 1982, 506-12.

Steel, K.P., Bock, G.R., Electrically evoked responses in animals with progressive spiral ganglion degeneration. Hearing Research, 15, 1984, 59-67.

Suga, N., Manabe, T., Neural basis of amplitude-spectrum representation in auditory cortex of the mustached bat. Journal of Neurophysiology, 47, 1982, 225-55.

Sun, X., Jen, P.H., Kamada, T., Neuron in the superior colliculus of echo-locating bats respond to ultrasonic signals. Brain Research, 275, 1983-148.52.

Syka,J., Melichar, The effect of loop diuretics upon summating potentials in the guinea pig. Hearing Research, 20, 1985, 267-273.

Tern, H.G., et al. Intraural and monaural clicks and clocks* Tempo.difference versus attention switching. Journal of experimental psychology, 8, 1982, 422-34.

Vanden, H.C., Stypulkowski, P.H., Physiological properties of the electrically stimulated auditory nerve.II single fiber recordings. Hearing Research, 14, 1984, 225-43.

Walger, M., et al. The influence of moderate-intensity noise on the compound action potential evoked by tone bursts in the guinea pig. Cavia Porcellus. Hearing Research, 19, 1985, 143-49.

Walsh, B.J., McGee, J.A., Javel, E., Development of auditory-evoked potentials in the cat III wave amplitudes. Journal of Acoustical society of America, 79, 1986, 745-764.

Walsh, E.J., McGee, J.A., Juvel, E., Development of auditory evoked potentials in the cat. Journal of Acoustical Society of America, 79, 1986, 712-724.

Westerman, L.A., smith, R.L., Rapid and short-term adaptation in auditory nerve responses. Hearing Research, 15, 1984, 249-60.

Willott, J.F., et al. Excitability of auditory neurons in the dorsal and ventral cochlear nuclei of DBA/2 and C57BL/6mice. Experimental Neurology, 83, 1984, 495-506.

Wit, H.P., Kahmann, H.F., Frequency analysis of stimulated cochlear acoustic emissions in monkey ears.

Yanaihara, N., Ayo, K., Electrically and acoustically evoked brainstem responses in guinea pig. Acta. Otolarvnqol, 90, 1980, 25-31.

Yin, T.C.T., Kuwada, Sh., Jujaku, Y., Interaural time sensitivity of high frequency neurons in the inferior colliculus. Journal of acoustical Society of America, 76, 1984, 1401-1410.

Yin, T.c,T., KuKuwada, S., Binaural interaction in low frequency neurons in inferior colliculus of the cat.II effects of changing rate and direction of interaural phase. J.Neurophvsiol, 50, 1983, 1000—19.

Yin, T.c,T., Kuwada, S., Binaural interaction in low frequency neurons in inferior colliculus of the cat.III effects of changing frequency. J.Neurophyslol, 50, 1983, 1020-42.

Young, E.D., Voigt, H.P., Response properties of type II and type III units in dorsal coehlear nucleus. Hearing Research, 6, 1982, 153-69.

HUMAN BEING

- Adult (normal)

ADULT (NORMAL)

Allison, T, et al. Developmental and aging changes in somatosensory, auditory and visual evoked potentials. Electroencephalography and Clinical Neurophysiology, 58, 1984, 14-24.

Ai'tman, La A., et al. Characteristics of human auditory evoked potentials during lateralization of a "moving, acoustic pattern. ZL VYSSL Nerve Deiat, 32, 1982, 472-9.

Anthony, P.F., et al. A new parameter in brainstem evoked response, component wave areas. Laryngoscope, 89, 1979, 1569-1576.

Baranak, C.C., Marsh, R.R., Potsic, W.P., sedation in brainstem response audiometry. Int.J.Ped.Otorhinqlaryng, 8, 1984, 55-59.

Barkoff, H., Pratt, H., Auditory brainstem evoked potential latency-intensity functions. Hearing Research, 16, 1984, 243-249.

Batra, R., Kuwada, S., Maher, V.L., The frequency-following response to continuous tones in humans. Hearing Research, 21. 1986, 167-177.

Bauer, H., et al. Effects of hypnotic suggestions of sensory change on event-related cortical slow potential shifts. Archives of Psychology, 133, 1980,161-9.

Berlin, C.I., et al. Electrocochleography and brain stem evoked response in the otological office practice. Audiology,Hear.Educ, 5, 1979, 22-26.

Berlin, C.I., et al. Electrocochleography and brain stem evoked response in the otological - audiological office practice, Part-I. Audiology and Hearing Education, 5, 1979, 22-26 and 40.

Bertrand, 0., et al. A theoretical justification of the average reference in topographic evoked potential studiea. Electroencephalography and clinical Neurophysiology. 62, 1985, 462-464.

Brinkmann, R.D., scherg, M., Human auditory on and off potentials of the brain stem, scand.Audio. 8, 1979, 27-32.

Burkard, R., Hecox, K., The effect of broadband noise on the human brainstem auditory evoked response II, frequency specificity. Journal of Acoustical Society of America, 74, 1983, 1214-1223.

Buchwald, J.S., Generator. In Moore, E.J(Ed). Bases of auditory brain stem evoked responses. Grune and Stratton, A subsidiary of Harcourt Brace Jovanovich, Publishers, New York.

Catlin, F.I., studies of normal hearing. Audiology, 23, 1984, 241-52.

Chu, U.S., Age related latency changes in the brain stem auditory evoked potentials. Electroencephalography and Clinical Neurophysiology, 62, 1985, 431-436.

Chuden, H.G., Weinmann, H.M., The biphasic response in ERA. Arch.Ohr.Nas.Kehlkopfheilk, 228, 1980, 43-50.

Clement, R.A., et al. Source derivation of the brain stem auditory evoked potential. Electroencephalography and Clinical Neurophysiologv, 62, 1985, 459-461.

Collet, L., Duclaux, R., Auditory brainstem evoked responses and attention. Acta-Otolaryngol, 101, 1986, 438-441.

Cracco, R.Q,, Celesia, G.G, somatosensory and visual evoked potentials. In Moore, E.J (Ed). Bases of auditory brain stem evoked responses.

Daspit, C.P., Raudzens, P.A., shetter, A.G., Monitoring of inter operative auditory brain stem responses. Otolaryngol. Head Neck Surg, 90, 1982, 108-16.

Davis, H., et al. Frequency selectivity and thresholds of brief stimuli suitable for electric response audiometry. Audiology, 23, 1984, 59-74.

Davis, H., United States - Japan. Seminar on auditory responses from the brain stem. Laryngoscope, 89, 1979, 1336-1339.

Davis, H., Hirsh, S., A slow brain stem response for low frequency audiometry. Audiology, 18, 1979, 445-461.

Davis, H., et al. Threshold sensitivity and frequency specification in auditory brain stem response audiometry. Audiology, 24, 1985, 54-70.

Debruyne, F., Forrez, G., On-effect in brainstem electric response audiometry, consequences for the use of tone-bursts. ORL.J.Otorhinolaryngol.Relat Spec, 44, 1982, 36-42.

Debruyne, F., Binaural interaction in early, middle and late auditory evoked responses. scand.Audiol. 13, 1984, 293-296.

Demus, H.G., Spinar, H., Methodical aspects of the extra tympanic electrocochleography. HNO-Praxis, 10, 1985, 25-29.

Don, M., Elberling, C, Waring, M., Objective detection of averaged auditory brainstem responses. scand. Audiol, 13, 1984, 219-226.

Durrant, J.D., Fundamentals of sound generation. In Moore E.J (Ed). Bases of auditory brainstem evoked responses. Grune and Stratton, A subsidiary of Harcourt Brace Jovanovich, Publishers, New York.

Efron, T., et al. Central auditory processing. VI Detecting ear dominance by evoked potentials. Brain and Language, 20, 1983, 54-64.

Elberling, C, Wahlgreen, 0., Estimation of auditory brainstem response, ABR by means of byesian inference. Scand.Audiol., 14, 1985, 89-96.

Elberling, C., Don, M., Quality estimation of averaged auditory brainstem responses. Scand.Audiol, 13, 1984, 187-97.

Finkenzeller, P., Auditory evoked potentials-late cortical responses. In Beagley, H.A., (Ed). Auditory investigation: The scientific and technological basis. Clarendon Press, Oxford, 1979.

Fria, T.J., Doyle, W.J., Maturation of the auditory brainstem response (ABR): additional perspectives. Ear and Hearing, 5, 1984, 361-5.

Funai, H., An experimental study on the role of inferior colliculus to auditory brainstem response. Nippon Jibiinkoka Gakkaikaiho, 87, 1984, 785-99.

Furst, M., et al. Click lateralization is related to the component the dichotic brainstem auditory evoked potentials human subjects. Journal of Acoustical Society of America, 78, 1985, 1644-51.

Galbraith, G.c., Latency compensation analysis of the auditory brainstem evoked response. Electroencephalography and Clinical Neurophysiology. 58, 1984, 333-343.

Gaumond, R.P., Kim, D.O., and Molnar, C.E., Response of cochlear nerve fibers to brief acoustic stimuli role of discharge-history effects. Journal of Acoustical Society of America, 74, 1983, 1392-8.

Gervil, G., Mrowinski, D., Thoma, J.A., Free university Barlin, ENT Clinic Chartottenburg West Berlin. Scand.Audiol, 11, 1982, 205-9.

Gerull, G., et al. Brainstem and cochlea potentials evoked by refraction and condensation single-slope stimuli. Scand.Audiol. 14, 1985, 141-150.

Gibbin, K.P., Mason, M., Kent, E., Prolongation of the cochlear microphonic in man. Acta Otolaryngol. 95, 1983, 13-18.

Grandori, F., Nonlinear phenomena in click-and-tone-burst-evoked otoacoustic emissions from human ears. Audiology, 24, 1985, 71-80.

Grandori, F., Field analysis of auditory evoked brainstem potentials. Hearing Research, 21, 1986, 51-58.

Gutnick, H.N., Goldstein, R., Effect of contralateral noise on the middle component of the averaged electro-encephalic response. Journal of Speech and Hearing Research, 21, 1978, 613-624.

Halliday, R., Callaway, E., Lynch, M., Age, stimulant drug and practice effects on P_3 latency and concurrent reaction time. Ann.N.Y.Acad.Sci, 425, 1984, 357-361.

Harder, H., Arlinger, St., Kylen, P., Electrocochleography with bone conducted stimulation, a comparative study of different methods of stimulation. Acta Otolaryngol. 95, 1983, 34-45.

Hecox, K., Jacobson, J.T., Auditory evoked potentials. In Northern, J.L.(Ed) Hearing Disorders, (2nd ed) Boston: Little, Brown and Company, 1984.

Herning, R.I., Jones, R.T., Peltzman, O.J., Changes in human event related potentials with prolonged delta-9 tetrahydrocannabinol use. Electroencephalography and Clinical Neurophvsiology, 47, 1979, 556-576.

Hink, R.F., et al.Risk-taking and the human bercit schafts-potential. Electroencephalography and Clinical Neurophysiology, 53, 1982, 361-373.

Hodson, W.R., and Matkin, N.D., Disorders of Hearing. In Skinner P.H., and Selton, R.L(Ed) Speech, Language and Hearing: Normal process and Disorders (2nd ed). New York: John Weley and Sons, 1985.

Hoke, M., Wickesberg, R.E., Lutkenhoner, B., Time and intensity dependent low pass filtering of auditory brainstem responses. Audiology, 23, 1984, 195-205.

House, J.W., Brackmann, D.E., Brainstem audiometry in neurologic diagnosis. Arch.Otolaryngol. 105, 1979, 305-309.

Ichikawa, G., et al. Simultaneous recording of the auditory evoked responses plotted on the logarithmic time scale. Audiol.JPN, 26, 1986, 735-9.

Inamura, N., et al. Electrocochleogram and auditory brainstem response during hypothermia. Audiol.Jnn.26, 1983, 680-6.

Ino, T., Mizoi, K., Vector analysis of auditory brainstem responses (BSR) in human beings. Arch.Ohr.Nas. Kehlkopfheilk. 226,1980, 55-62.

Javol, E., et al. Auditory brainstem responses during systemic infusion of lidocaine. Arch.Otolaryngol. 108.1982, 71-76.

Jitts, S., An electrode/headphone cap for ABR recording. Scand. Audiol. 14, 1985, 231-232.

Keid, A., Birchall, J.P., Moffat, D.A., Auditory brainstem responses: masking related changes in wave VI. British Journal of Audiology, 18, 1984, 17-22.

Kettner, R.E., Thompson, R.P., Auditory signal detection and decision processes in the nervous system. J Comp Phvsiol Psvchol, 96, 1982, 328-31.

Kevanishvili, Z., Lagidze, Z., Recovery function of the human brainstem auditory evoked potential. Audiology, 18, 1977, 472-484.

Kileny, P., Auditory brainstem response. Audiology, 25, 1986, 62-64.

Kleberc,G., Seifert, K., Brief acoustic stimuli for the recording of brainstem potentials by computer controlled system analysis. Laryngol Rhinol Otol, 62, 1983, 487-92.

Klein, A.J., Properties of the brainstem response slow-wave component. Latency, Amplitude and threshold sensitivity. Arch.Otolaryngol, 109, 1983,6-12.

Kodera, K., et al. Effects of number and interstimulus interval of tone pips on fast responses. Audiology, 17, 1978, 500-510.

Laukli, E., Stimulus waveforms used in brainstem response Audiometry. Scand.Audiol. 12, 1983, 83-89.

Lauter, J.L., et al. Tonotopic organization in human auditory Cortex revealed by positron emission tomography. Hearing Research, 20, 1985, 199-205.

Lehnhardt, E., Battmer, R.D., Simultaneous recording of fast and slow auditory evoked potentials. Arch.Ohr.Nas. Kehlkopfheilk, 222, 1979, 153-160.

Lindemann, W., Evaluation of interaural differences. Scand. Audioli 15, 1982, 147-55.

Lolas, F., Hoeppner, T., Brainstem auditory evoked response (BAER), Clinical perspective and normative data. Acta Neurol.Latinoamer. 23, 1977, 175-187.

Lutman, M.F., The scientific basis for the assessment of hearing. In Lutman, M.E., and Haggard, M.P.(Ed.) Hearing Science and Hearing Disorders. London: Academic Press, A subsidiary of Harcourt Brace Jovanovich, 1983.

Mason, S.M., On-line computer scoring of the auditory brainstem response for estimation of hearing threshold. Audiology, 23, 1984, 277-96.

Mauldin, L., and Jerger, J., Auditory brainstem evoked responses to bone conducted signals. Arch.Otolaryngol. 105, 1979, 656-661.

Maurizi, M.,et al. Auditory brainstem responses (ABR) in the aged. Scand.Audiol. 11, 1982, 213-22.

Maurini, M., et al. Auditory brainstem responses to middle-and-low frequency tone pips. Audiology, 23, 1984, 75-84.

McCarty, G.E., schwamb, H.H., Evoked potentials: A series from an army Medical center. Milit Med., 144, 1979, 35-38.

McClelland, R.J., McCrea, R.S., Intersubject variability of the auditory-evoked brainstem potentials. Audiology, 18, 1979, 461-471.

McDermott, J.L., Cochlear initiation sites of the frequency following potential. Scand.Audiol. 12, 1983, 97-102.

Moller, A.R., and Jannetta, P.J., Auditory evoked potentials recorded from the cochlear nucleus and its vinicity in man. J.Neurosurg, 59, 1983, 1013-8.

Morera, H., et al. Brainstem potentials in normal subjects. An.ORL. Lbero-Amer., 7, 1980, 15-25.

Moore, E.J., History. In Moore, E.J(Ed.). Bases of auditory brainstem evoked responses. Grune and Stratton, A subsidiary of Harcourt Brace Jovenovich, Publishers, New York.

Morest, D.K., Functional anatomy of the auditory system. In Moore, E.J(ed.) Bases for auditory brainstem evoked responses, Grune and Stratton INC, 1983, 51-65.

Mori, N., et al. Extratympanic electrocochleography using silver ball electrode. Audio.Jap, 21, 1978, 653-59.

Morizono, T., Sikora, M.A., Compound action potential input - output decruitment. Effect of typically applied antiseptics. Arch.Otolarvngol, 109, 1983, 677-681.

Muchnik, C., et al. Influence of catecholamines on cochlear action potentials. Arch.Otolaryngol. 109, 1983, 530-582.

Musiek, F.E., et al. The auditory brainstem response I-V amplitude ratio in normal, cochlear and retro-cochlear ears. Ear and Hearing, 5, 19S4, 52-5.

Oshima, W., Acoustic nerve in the excited phase - experimental studies. Nippon Jibinkoka Gakkai Kairo, 86, 1983, 770-85.

OsterRammel, P.A., Shallop, J.K., Terkildsen, K., The effect of sleep on the auditory brainstem response (ABR) and the middle latency response (MLR). Scand.Audiol. 14, 1985, 47-50.

0ven,J.H., Matsusaka, B.K., Influence of test parameter combinations on the auditory evoked late response. Electroencephalography and Clinical Neurophyslology, 53, 1982, 327-30.

Palndetti, G., et al. Brainstem electric response audiometry; Parameters in normal subjects. Nuovo. Arch .Hal .ORL. 6, 1978, 671-683.

Paquereau, J., Three-dimensional curves: main parameters of brainstem auditory evoked responses in the normal subjects. Audiology, 25, 1986, 107-115.

Picton, T.W., Fitzgerald, P.G., A general description of the human auditory evoked potentials. In Moore, E.J. (Ed.) Bases of auditory brainstem evoked responses. Grune and stratton, A subsidiary of Harcourt Brace Jovanovich, Publishers, New York.

Piemonte, M., Value and limits of the auditory potentials of the brainstem forensic medicine. Acta.Otorhinolaryngol Ital, 4, 1984, 3-14.

Pratt, H., Bleich, N., Auditory brainstem potentials evoked by clicks in notch-filtered masking noise. Electroencephalography and Clinical Neurophysiology, 54, 1982, 417-26.

Probst, R., et al. Spontaneous click and tone burst-evoked otoacoustic emissions from normal ears. Hearing Research, 21, 1986, 261-275.

Pruszewicz, A., Swidzinski, P., Recording action potentials with a latency period of 12-50 msc. after acoustic stimulus in persons with normal hearing. Otolaryngol Pol, 38, 1984, 431-40.

Rees, A., Green, G.G.R., Kay, R.H., Steady-state evoked responses to sinusoidally amplitude-modulated sounds recorded in man. Hearing Research, 23, 1986, 123-133.

Reid, A., Thorn, A.R., The effects of contralateral masking upon brainstem electrical responses. British Journal of Audiology, 17,1983, 155-62.

Reid, A., Rirchall, J.P., Moffat, D.A., Auditory brainstem responses: Masking related changes in wave-VI. British Journal of Audiology, 18,1984, 17-22.

Roder, H., Rabending, G., Electrophysiologic brainstem diagnosis, acoustic evoked brainstem potentials — pattern recognition and significance for the function of the brainstem. Psychiatr.Neurol.Med.Psychol.Beih, 29, 1983, 49-56.

Rosenfeld, J.P., et al. Biofeedback of event-related potentials. Ann.V.Y.Acad.Sci., 425, 1984, 653-666.

Rosenhamer, H.J., Lindstrom, B., Lundborg, T., On the use of click-evoked electric brainstem response in audiological diagnosis. Scand.Audiol. 7, 1978, 193-205.

Rosenhall, U., et al. Brainstem auditory evoked potentials in different age groups. Electroencephalography and Clinical Neurophysiology, 62, 1985, 426-430.

Rossman, R.N., Cashman, M.Z., Inter-interpreter agreement for ABR tracings-results from 100 patients under otoneurologic investigation. Scand.Audiol, 14, 1985, 9-11.

Ryding, E., A mathmatical model for localization of the source of cortical evoked potentials. Electroencephalography and Clinical Neurophysiology, 43, 1980, 312-317.

Sagalovich, B.M., Melkumova, G.G., Post-stimulation hearing adaptation in man according to computer audiometry. (Russian text) Vestn. ORL, 43, 1981, 15-20.

Sams, M., et al. Cerebral neuromagnetic responses evoked by short auditory stimuli. Electroencephalography and Clinical Neurophysiology, 61, 1985, 254-66.

Sams, M., et al. Auditory frequency discrimination and event related potentials. Electroencephalography and Clinical Neurophysiology, 62, 1985, 437-448.

Sanders, R.A., Clinical experience with brain stem audiometry performed under general anaesthesia. Journal of Otolaryngology, 8, 1979, 24-32.

Sayers, B.M.C., Beagley, H.A., Riha, J., Pattern analysis of auditory evoked EEC potentials. Audiology, 18, 1979, 101-16.

Scherg, M., Cramon, V.D., Two bilateral sources of the late AEP as identified by a Spatio-temporal dipole model. Electroencephalography and Clinical Neurophysiology, 62, 1985, 32-44.

Scherg, M., Volk, S.A., Frequency specificity of simultaneously recorded early and middle latency auditory evoked potentials. Electroencephalography and Clinical Neurophysiology, 56, 1983, 443-452.

Sigfussion, R., Bergmann, T., Interfacing a modern signal averager to a minicomputer. Electroencephalography and Clinical Neurophysiology, 52, 1981, 501-503.

Shanon, E., Gold, s., Himelfarb, M.Z., Assessment of functional integrity of brainstem auditory pathways of stimulus stress. Audiology, 20, 1981, 65-71.

Shannon, R.V., Multichannel electrical stimulation of the auditory nerve in man, Basis psychophysics. Hearing Research, 11, 1983, 157-89.

Skerchock, J.A., Cohen, J., Alcoholism organicity and event related potentials. Ann.N.Y.Acad.Sci., 425, 1984, 623-628.

Smammeth, C.A., Barry, S.J., The 40Hz event-related potential as a measure of auditory sensitivity in normals. Scand.Audiol, 14, 1985, 51-55.

Smith, L.E., Simmons, F.B., Accuracy of auditory brainstem evoked response with hearing level unknown. Annals of Otology, Rhinology and Laryngology, 91, 1982, 266-7.

Snyder, R.L., Schreiner, C.S., The auditory neurophonic: Basic properties. Hearing Research, 15, 1984, 261-80.

Soda, T., et al. The scalp topography of human short latency auditory evoked responses. Otol.Fuknoka, 24, 1978, 571-583.

Stapells, D.R., et al. Human auditory steady state potentials. Ear and Hearing. 5, 1984, 105-13.

Starr, A., Srackmann, D.E., Brainstem potentials evoked by Electrical stimulation of the cochlea in human subjects. Ann.Otol.Rhino.Larvngol. 88, 1979, 550-556.

Sturzebecher, E., Kuhne, W., Bendt, H., Detectibility of the acoustically evoked composite response (40Hz potential near threshold. scand.Audiol. 14, 1985, 23-25.

suter, CM., Brewer, C.C., Auditory brainstem response wave V latency-intensity function and audiologic measures of cochlear function. Ear and Hearing. 4, 1983, 212-9.

Sulton, s., Ruchkin, D.s., The late positive complex. Ann. N.Y.Acad.sci, 425, 1984, 1-13.

Suzuki, J., Kodera, K., Kaga, K., Auditory evoked brainstem response assessment in otolaryngology, Ann. N.Y. Acad.sci, 388, 1982, 487-513.

Taylor, M.J., Bereitsclafts potential during the acquisition of a skilled motor task. slectroencephalography and Clinical Neurophysiology. 45, 1978, 568-576.

Thornton, A.R., Standardisation in evoked response measurements. British Journal of Radiology, 17, 1983, 115-6.

Thornton, A.R., Instrumentation for electric response audiometry. In Beagley, A.A.(Ed.) Audiology and audiological Medicine, Vol.1, New York, Oxford University Press, 1981.

Tyberghein, J., Debruyne, F., Indications for BERA., Acta. Otorhinolarvngol Belg. 35, 1981, 265-6.

Van Olphen, A.F., Rodenburg, M., Verwey, C, Distribution of brainstem responses to acoustic stimuli over the human scap. Audiology, 12, 1978, 511-518.

Velaaco, M., et al+ subcortical correlates of the somatic, auditory and visual vertex activities in man. Electro-encephalographv and clinical Neurophysiology, 61, 1985, 519-529.

Vivion, M.C., et al. Toward objective analysis for electro-encephalic audiometry. Journal of Speech and and Hearing, 22, 1979, 88-102.

Von, W.H., Evoked cortical potentials caused by short-term changes in interaural coherence. Laryngol. Rhinol.Otol, 6, 1982, 159-64.

Webb, K.C., Greenberg, H.J., Bone conduction masking for threshold assessment in auditory brainstem response testing. Ear and Hearing, 4, 1983, 261-6.

Weber, B.H., Pitfalls in auditory brainstem response audiometry. Ear and Hearing. 4, 1983, 179-184.

Wiley, T.L., Lilly, D.J., Temporal characteristics of auditory adaptation: A case report. Journal of Speech and Hearing Disorders, 45, 1980, 209-215.

Williston, J.S., Jewett, D.L., The Q_{10} of auditory brainstem responses in rats under hypothermia. Audiology. 21, 1982, 457-465.

Wofford, M., Audiological evaluation and management of hearing disorders. In Martin,F.N.(Ed.) Medical Radiology. Englewood Cliffs, N.J., Prentice-Hall, 1981.

Wolpaw,J.R., Wood, C.C., Scap distribution of human auditory evoked potentials. Electroencephalography and Clinical Neurophysiology, 54, 1982, 15-24.

Wood, C.C., Application of dipole localization methods to source identification of human evoked potentials. Ann. N.Y.Acad.Sci, 388, 1982, 139-55.

Wood, C.C., Wolpan, J.R., Scap distribution of human auditory evoked potentials. Electroencephalography and Clinical Neurophysiology, 54, 1982, 25-38.

Woods, D.L., and Clayworth, C.C., Click spatial position influences middle latency auditory evoked potentials (MAEPs) in humans. Electroeocephalography and Clinical Neurophysiology, 60, 1985, 122-9.

Yagi, T., Kaga, K., Baha, S., A study of cases with partial disappearance of the waves in the auditory brainstem response. Arch.0hr.Nas.Kehlkopfheilk, 226, 1980, 251-258.

Yamataoto, K., Power spectral analysis of auditory evoked response. Otol.Fukuoka, 26, 1980, 202-207.

Yamamoto, K., Sakabe, M., Kaiho, I., Power spectral analysis of auditory evoked response. J. Amaud.soc. 5, 1979, 107-111.

Yung, K.M., Brainstem electric audiometry: Is routine sedation necessary? audiology. 24, 1985, 146-148.

Zollner, C.H., Kanahl, T.H., Electrical response audiometry. Laryngol.Rhinol.Otol. 58, 1979, 310-317.

Zollner, C.H., Pederson, P., Problems of a frequency-specific threshold measurement with the brainstem potentials using the otometric sound pressure signal. Arch.Ohr.Nas.Kehlkopfheilk, 226, 1960, 259-268.

Zwicker, E., Delayed evoked Oto—acoustic emissions and their suppression by Gaussian-shaped pressure impulses. Hearing Research. 11, 1993, 359-71.

- Children

CHILDREN

Arison, s., Electrocochleography and brainstem potentials in the diagnosis of the deaf child. Int.J.Ped. Otorhinolaryng. 5, 1983, 251-259.

Barratt, H., Electric response audiometry and its application to the assessment of hearing in children. Teacher Deaf. 4, 1980. 116-118.

Beagley, H.A., Non-orgaaic hearing loss in children. In Beagley, H.A.(Ed.). Audiology and Audiological Medicine. Vol.2, New York, Oxford University Press, 1981.

Coil, J., et al. Braiastem evoked potentials in deaf blind Children. Rev.Oto-Neuro-Oothalmol. 53, 1981, 189-191.

Courchesne, E., et al. Functioning of the brainstem auditory pathway in nonretarded autistic individuals. Electroencephalography and Clinical Neurophysiology. 61, 1985, 491-501.

Davis, H., et al. Threshold sensitivity and frequency specificity in auditory brainstem response audiometry. Audiology, 24, 1985, 54-70.

Doberenz, I., Flach, M., Hoftaann, G., Investigations of the influence of the interatimulus interval on the acoustically evoked brainstem potentials near the hearing threshold in children. HNO Praxis, 9, 1984, 273-276.

Duncan-Johnson, C.C., Roth,W.T., Kopall, B.S., Effects of stimulus sequence on P300 and reaction time in schizophrenics, Ann.E.Y.AcadySci.425. 1984,570-577.

Flash, Flach, M., Hofmann, G., Pritsche, F., Experiences in brainstem audiometry, HNO-Praxis, 4, 1979, 55-60.

Fritsche, F., Kessler, 1., Grafe, I., Acoustic evoked potentials of hearing impaired children - A prospective study, HNO-Praxis. 5, 1980, 128-131.

Galamhos, R., Hicks, G.E., Wilson, M.J., The auditory brainstem response reliability predicts hearing loss in graduates of a tortiary intensive care neursery. Ear and Hearing, 5, 1984, 254-260.

Goitein, K.J., et al. The auditory brainatem evoked response in comatose children. Harefuah, 105, 1983, 345-51.

Guerit, J.M., Applications of surface recorded auditory evoked potentials for the early diagnosis of hearing loss in neonates and premature infants. Acta.Otolaryngol. 421, 1985, 68-76.

Klepei, H., Freigang, 3,, Limits of objective audiometry in children with brain damage. Psychiatr. Neural Med Psycho! aeib, 29, 1933, 74-9.

Leohardt, M.L., Childhood central auditory processing disorder with brainstem evoked response verification.. Archives Otolaryglogy 107, 1981, 623-625.

Mendalson, T., et al. Brainstem evoked potential findings in children with otitis media. Arch.Otolaryngol.105, 1979. 17-20.

Mouney, D.F., et al. Changes in human eight nerve action potential as a function of stimulation rate. Arch. otolaryngol. 104, 1978, 551-554.

Nodar, R.H., Hahn, J., Levine, H.L., Brainstem auditory evoked potentials in determining site of lesion of brain stem gliomas in children. Laryngoscope,80, 1980, 258-266.

O'donovan, C.A., Beagley,H.A., Shaw, M., Latency of brainstem response in children. British Journal of Audiology, 14, 1980, 23-29.

Ornitz, E.H., et al. Influence of click sound pressure direction on brainstem responses in children. Audiology, 19, 245-254.

Qzdamar, 0., Stein, C., Auditory brainstem response (ABR) in unilateral hearing loss. Laryngoscope, 91, 1981, 565-571.

Prevec, T.S., Ribaric, K., Butiner, D., Contingent negative variation audiometry in children. Audiology, 23, 1984, 114-126.

Prosser, S., Arslan, E.. Does general anaesthestia affect the child's auditory middle latency response (MLR)? Scand.Audiol. 14, 1985, 105-107.

Rahko, T., Laitakari, K., Simultaneous four-channel electric-response audionotry results in 8 years of hearing evaluation among small children. Audiologqy, 17, 1978, 519-524.

Roncagliolo, M., Valdenegro, J.P., Benitez, J., Auditory brain-stem responses in children II towards an early detection of deafness. Rev. Otorrinolaringol, 43, 1983, 87-91.

Roush, J., Tait, C.A., Binaurai fusion, masking level differences and auditory brainstem responses in children with language-learning disabilities. Ear and Hearing, 5, 1984, 37-41.

Suzuki, T., Kobayashi, K., An evaluation of 40Hz event-related potentials in young children. Audiology, 23, 1984, 599-604.

Suzuki, T., Taguihi, K., Yoda, H., Reliability of slow vertex response audiometry in young children with sensori—neural hearing loss. Audiology, 18, 1979, 119-124.

Yiap, K.H., Loh, L.B., The objective assessment of hearing in children using the auditory brainstem responses. Singapore Med J, 25, 1984, 278-86.

- Clinical Study

CLINICAL STUDY

Anderson, D.C., Pundlie, S., Rockswold, G.L., Multimodality evoked potentials in closed head trauma. Arch. Neurol. 41, 1984, 369-374.

Battler, R.D., et al. The brinstem response SN_{10}, its frequency selectivity, and its value in classifying neural hearing lesions. Arch. Ohr.Nas,Kehlkopfheilk, 230, 1981, 37-47.

Blair, R.L., Berry, H., Briant, T.D.R., Brain stem audionetry: status and Clinical applications of click evoked brainstem responses. J.Otolaryngol, 3, 1979, 33-39.

Glasacock, i.e., et al. Brainstem evoked response audiometry in clinical prictice. Laryngoscope, 89, 1979, 1021-1035.

Hosokawa, s., et al. Abnormal patterns in auditory brainstem responses. Pract.Otol.Kyoto. 72, 1979, 1333-1340.

Hosoya, M., study of late positive component by auditory stimulation possibility of clinical application. Nippon Jibiinkoka Gakkai Kaiho, 86, 1983, 973-86.

John, A.C., some clinical aspects of electric response audiometry. practitioner, 325, 1981, 1611-6.

Kilency, P., Auditory brainstem responses as indication of hearing aid performance. Annals of Otology, Audiology and, Laryngology. 91, 1982, 61-64.

Liu, C, Clinical application of electric response audiometry. Chung Hua X Haueh Tsa Chin. 71, 1981, 601-5

Olas, F., Hoeppner, T., Brainstem auditory evoked response (BAER) Clinical perspectives and normative data. Acta Neurol.Latinoamer, 23. 1977, 175-187.

Koller, A.R., Laboratory method of assessing hearing loss. Environ Health Perspact, 44. 1982. 87-92

Mozota. J.R., Medina sola, J.J., Neustra slstematica en audio-metria objaciva: ERA. Acta ORL Espan 29, 1978, 89-110.

Portmann, K., Electrophysiologic tests of auditory pathways in clinical medicine. Bull.Acad.Natt.Med, 165, 1981, 1207-13.

Pratt, H., Shenhav, R., Goldsher, M., Application of auditory evoked potentials to ealuate hearing disorders: assets and limitations. Isr.J.Med.Sci. 21, 1985, 44-9.

Prosser, S., et al.Effect of masking on the auditive potentials of the brainstem and on the action potential of the VIII nerve in man. An Otorrinolaryngol Lbero. Am, 11, 1984, 445-57.

Roder. H., et al. Acoustically evoked brainstem potential and its clinical use. Psychiatr.neurol.Med Psychol. Beih, 31, 1983, 1-160.

Sanders, R.A., Duncan, P.G., Mccullough, D.W., Clinical experience with brain stem audiometry performed under general anaesthesia. J.Otolaryngol, 8, 1979, 24-32.

Singh, C.B., Mason, S.M., Simultaneous recording of extra-tyapanic electrocochleography and brainstem evoked responses in clinical practice. Journal of laryngology and Otology, 95, 1981, 279-290.

Tekalan, S.A., Hausler, R., Weiss, V., Characteristics of middle latency auditory – evoked potentials in awake and anesthetized patients. Rev.Electroencephaiogr. Neurophysiol, Clin. 14, 1984, 115-22.

Yagi, T., Kaga, K., The effect of the click repetition rate on the latency of the auditory evoked brainstem response and its clinical use for a neurological diagnosis. Arch.Ohr.Nas,Kehlkopfheilk, 222, 1979, 91,-96.

- Comparison

COMPARISON

Blair, R.L., et al. status and clinical applications of click evoked brain stem responses. Journal of Otolaryngology, 8, 1979, 33-39.

Bruneau, N., et al. Event related slow potentials evoked during angle jerk conditioning in wakefulness and NREM sleep. Electroencephalography and Clinical Neurophysiology, 49, 1980, 93-101.

Coats, A.C., Human auditory nerve action potentials and brain stem evoked responses. Latency—intensity functions in detection of cochlear and retrocochlear abnormality. Acta.Otolaryngol, 104, 1978, 709-17.

Comacchia, L., Martini, A., Morra, B., Air and bone conduction brainstem responses in adults and infants. Audiology. 22, 1983, 430-437.

Debruyne, F., Latency differences between ipsilateral and contralateral auditory brainstem responses, scand. Audiol, 12, 1983, 223.

Dixie Hawes, M., Greenberg, G.J., slow brainstem responses (SN_{10}) to tone pips in normally hearing newborns and adults. Audiology, 20, 1981, 113-122.

Eggermont, J.J., Evoked potentials as indicators of auditory maturation. Acta Otolarvngol, 421, 1985, 41-47.

Emerson, R.G., et al. Effects of click polarity on brainstem auditory evoked potentials in normal subjects and patient: unexpected sensitivity of wave-V. Ann NY Acad sci, 388, 1982, 710-21.

Fridman, J., et al. Application of phase spectral analysis for brainstem auditory evoked potential detection in normal subjects and patients with posterior fossa tumors. Audiology, 23, 1984, 99-113.

Finnitzo. H.T., simhadri, R., Hieber, J.P., Abnormalities of the auditory brainstem response in post-meningitic infants and children. Int.J.Ped,Otorhinolaryng. 3, 1981, 275-286.

Ford, J.M., et al. Event related potentials recorded from young and old adults during a memory retrieval task. Electroencephalography and Clinical Neurophysiology, 47, 1979, 450-459.

Gruenswald, G., et al. Relationships between the late component of the contingent negative variation and the bercits—chaffs potential. Electroencephalography and Clinical Neurophysiology, 46, 1979, 538-545.

Gyo, K., Yauagihara, N., Brainstem responses evoked by cochlear and vestibular nerve stimulation. Audiol.Jap. 22, 1979, 502-506.

Hayes,D., Jerger, J., auditory brainstem response (ABR) to tone pips, Results in normal and hearing impaired subjects. Scand.Audiol. 11, 1982, 133-42.

Henderson, 0., et el. Comparison of auditory-evoked potentials and behavioral thresholds in the normal and noise exposed chinchilla. Audiology, 22, 1983, 172-180.

Hombergen, G.C., Audiometry; Cochlear versus retrocochlear pathology. Advance in ota-rhino-laryngology, 34, 1984, 39-46.

Horst, R.L,, Donchin, K., Bpyond averaging II. Single-Trial classification of exogenous event related potentials using atep noise discriminant analysis. Slectroencephalopraphy and Clinical Neurophysiology. 48, 1960, 113-126.

Kaga, M., Normalisation of poor auditory brainstem response in infants and children. Brain.Dev., 6, 1984, 458-66.

KanMcunen, A., Rosenhall, U., Comparison between thresholds obtained with puretone audiometry and the 40Hz middle latency response. scand.Audiol, 14, 1985, 99-109.

Kanzaki, J., O-Uchi, T., Differential diagnosis of Central vestibular disorders by combined tests with perrotatory occular fixation and auditory brain stem responses ORL J.Otorhinolaryngol, Relat spec, 45, 1983, 306-14.

Kavanagh, K.T., Bardsley, J.V., Brainstem evoked responae.III. Clinical uses of bone conduction in the evaluation of otologic desease. Ann Ctpl.Rhinol. Laryngol, 88, 1979, 22-28.

Kelly-Ballweber, D., Dobie, K.A., Binaural interaction measured behaviorally and electrophysiologically in young and old Adults. Aadiology, 23, 1984, 181-194.

Kuwada, S., Batra, R., Maher, V.L., Scalp potentials of normal and hearing impaired subjects in response to sinusoidally amplitude-modulated tones. Hearing Research, 21, 1986, 179-192.

Lasky, R.E., Rupert, A.L., Temporal masking of auditory evoked brainstem responses in human newborns and adults. Hearing Research. 6, 1982, 315-34.

Lehnhardt, E., et al. Simultaneous recording of fast and slow auditory evoked potentials. Arch.Ohr.Nas.Kehlkopfheilk, 222, 1979, 153-60.

Libet, B., Wright, Jr. E.W., Gleason, C.A., Readiness-potentials preceding unrestricted spontaneous vs. preplanned voluntary acts. Electroencephalography and Clinical Neurophysiology, 54. 1982, 332-335.

Mair, W.S., Laukli, E., Auditory brainstem electric responses evoked with supa threshold tone-bursts. Scand. Audiol, 9, 1980, 153-160.

Maurizi, M., et al. Contribution of the differentiation of peripheral versus central tinnitus via auditory brainstem response evaluation. Audiology, 24, 1983, 207-216.

Miller, G., et al. The maturation of the auditory brainstem response compared to peripheral nerve conduction velocity in preterm and full-term infants. Neuropediatrics, 15, 1984, 25-7.

Mozhizuki, Y., et al. Developmental changes of brainstem auditory evoked potentials (RAEPs) in normal human subjects from infants to young adults. Brain Dev, 4, 1982, 127-36.

Muller, E., Pantev, K., Pantev, C, Acoustic evoked brainstem potentials in neurologic diseases of childhood and adolescence. Psychiatr.Neurol.Med.Psychol.Beih, 29, 1983, 65-73.

Musiek, P.E., et al. The auditory brainstem response I-V amplitude ratio in normal, cochlear, and retro-cochlear ears. Ear and Hearing, 5, 1984, 52-5.

Pickles, J.O., Auditory-nerve correlates of loudness summation with stimulus bandwidth, in normal and pathological cochlea. Hearing Research, 12, 1983, 239-50.

Prasher, D.K., Gibson, W.P., Brain auditory evoked potentials and eLectrocochleography: comparison of different criteria for the detection of acoustic neuroma and other cerebello-pontine angle tumours. British Journal of Audiology, 17, 1983, 163-74.

Rossen, R.N., Cashran, M.Z., Inter-interpreter agreement for ABR tractings. scand.Audiol.14, 1985, 9-11.

Rutten, W.L.C., Kuper, P., AP unmasking and AP tuning in normal and pathological human ears. Hearing Research, 8, 1982, 157-178.

Spink, C, Johannsen, A.S., Pepirsig, W., Acoustically evoked potential: Dependence upon age. Scand.Audiol. 8, 1979, 11-14.

Strickland, E.A., et al. Incidence of spontaneous otoacoustic remissions in children and infants. Journal of Acoustical Society of America, 78, 1985, 931-935.

Sturzebecher, E., et al. Interpeak intervals of auditory brain stem response, interaural differences in normal-hearing subjects and patient with sensorineural hearing loss. Scand.Audiol.14. 1935, 83-87.

Suzuki, J., Yamane, H., The choice of stimulus in the auditory brainstem response test for neurological and audiological examination. Ann NY Acad sci, 338, 1982, 731-6.

Thornton, A.R.D., Audiological and neurological applications of eochlear and brainstem evoked response. Hearing Instrument. 31, 1980, 14-21.

Tietze, C., Panter, Ch., Comparison between auditory brain stem responses evoked by rarefaction and condensation step functions and clicks. Audiology, 25, 1986, 44-53.

Zollner, C.H., Eibach, H., Differential diagnosis of cochlear-retrocochlear disorder be improved using the brain stem potentials with changing stimulus repetition rates. HNO, 29, 1981, 240-245.

Zollner, C.H., Eibach, H., Criteria for the differential diagnosis of cochlear retrocochlear disorders with brain stem audiometry. Arch.Ohr.Nas.Kehlkopfheilk. 230, 1981, 135-147.

- Infants

INFANTS

Barajas, J.J., et al. Audiometric study of the neonate: Impedance audiometry. Behavioral responses and brainstem audiometry. Audiology, 20, 1981, 41-52.

Beiser, M., Maturation of auditory brainstem potentials in neonates and infants. Int.J.Ped.Otorhinolaryngol, 9, 1985, 69-76.

Bradford, B.C., et al. Identification of sensory neural hearing loss in very preterm infants by brain stem auditory evoked potentials. Arch.Dis.Child, 60, 1985, 105-9.

Corncechia, L., Vigliani, E., and Arpini, A., Comparision between brainstem evoked response audiometry and behavioral audiometry in 270 infants and children, Audiology, 21, 1982, 359-63.

Cox, L.C., Hack,M., Metz, D.A., Auditory bralnstem response abnormalities in the very low birthweight infants: Incidence and risk factors. Ear and Hearing, 5, 1984, 47-51.

Cox, L.C., Hack, M., Metz, D.A., Longitudinal ABR the NICU infant. Int.J.Ped.Otorhinolaryng.4, 1982, 225-231.

Cox, L.C, Hack, M., Metz, D., Brain stem evoked response audiometry: Normative data from the preterm infants. Audiology, 20, 1981,53-64.

Durieux-Smith, A., Auditory brainstem response to clicks in neonates. Journal of Otolaryngology, 14, 1985.

Durioux, S.A., et al. The Crib-o-Gram in the NICU: An evaluation based on brain electric response audiometry. Ear and Hearing, 6, 1985, 20-4.

Durieux Smith, A., Jacobson, J.T., Comparison of auditory brain stem response and behavioral screening in neonates. Journal of Otolaryngology, 14, 1985.

Folsom, R.C., Auditory brain stem responses from human infants: Puretone masking profiles for clicks and filtered clicks. Journal of Society of America, 78, 1985, 555-62.

Galambos, C.S., and Galambos, R., Brain stem evoked response audiometry in newborn hearing screening. Archives Otolaryngology, 105, 1979, 86-90.

Hooks, R.G., Weber, B.A., Auditory brainstem responses of premature infants to bone conducted stimuli: A feasibility study. Ear and Hearing, 5, 1984, 42-6.

Hosford-Dunn, H., et al. Auditory brainstem response testing in infants with colapsed ear canals. Ear and Hearing, 4, 1983, 258-60.

Halse, M., Limits of brain stem audiometry in pedandiology, Laryngol Rhinol Otol, 63, 1984, 82-7.

Lto, H., Auditory brainstem response inNICU infants. Int. Pediatr.Otorhinolaryngol, 8, 1984, 155-62.

Jacobson, J.T., Auditory brainstem response: A contribution to infant assessment and management. In Mencher, G.T., Gerber, S.E., (Ed.) Early Management of Hearing Loss. A subsidiary of Harcourt Brace Jovanovich, Publisher, New York, 1980.

Jerger, J., Jordan, C, Clinical experience with auditory brain stem response audiometry in pediatric assessment. Ear and Hearing, 1, 1980, 19-25.

Kileny, P., Robertson, C., Neurological aspects of infant hearing assessment. Journal of Otolaryngology, 14, 1985.

Klein, A.J., Frequency and age-dependent auditory evoked potential thresholds in infants. Hearing Research, 16, 1984, 291-297.

Krumholz, A., et al. Maturation of the brainstem auditory evoked potential in premature infants. Electro-encephalography and Clinical Neurophysiology, 62, 1935, 124-34.

Marshall, R.E., et al. Auditory function in newborn intensive care unit patients revealed by auditory brain stem potentials. Journal of Pediatrics, 96, 1980, 731-735.

Mendel, M.I., Clinical use of primary cortical responses. Audiology, 19, 1980, 1-15.

Mjoeen, S., Quigstad, E., Auditory brainstem response in neonates during the first 48 hours after birth. Scan.Audiol, 12, 1983, 43-45.

Rotteveel, J.J., et al. The central auditory conduction at term date and three months after birth III Middle latency response (MLRs), Scand.Audiol.15, 1935, 75-84.

Rotteveel, J.J., et al. The central auditory conduction at term data and three months IV Auditory cortical responses. Scand.Auoiol.15, 1986, 85-95.

Rotteveel, J.J., et al. The central auditory conduction at term date and three months after birth. Scand.Audiol, 14, 1985, 179-186.

Rotteveel, J.J., et al. The central auditory conduction at term date and three months after birth.II auditory brainstem response. Scand.Audiol. 15, 1986, 11-19.

Stein, L., et al. Follow-up of infants screened by auditory brainstem response in the neonatal intensive care unit. J.Pediatr. 103, 1983, 447-453.

Salamy, A., et al. Maturation of contralateral brainstem response in preterm infants. Electroencephalography and Clinical Neurpphysiology, 62, 1985, 117-23.

Teas, D.C., Klein, A.T., Kramer, S.J., An analysis of auditory brainstem responses in infants. Hearing Research, 7, 1982, 19-54.

Wolf, K.F., Goldstein, R., Middle component AERS from neonates to low-level tonal stimuli. Journal of Speech and Hearing Research, 23, 1980, 185-201.

Yamadh, 0., et al. Frequency selective auditory brainstem response in newborns and infants. Arch.Otolarynqol. 109, 1983, 79-82.

Yano, J., Auditory braingtem responses in normal neonates. Audiol, JAP, 24, 1981, 96-101.

Miscellaneous

- Bell's and Facial Palsy
- Cochlear hearing loss
  - Meniere's disease
  - Ototoxic deafness
- Conductive deafness
- Retrocochlear pathology
  - Acoustic neuroma
  - Brainstem lesion
  - Multiple sclerosis
- Speech and language problem
- syndrome

_ Psychophysic study.

— Bell's and Facial Palsy

BELLS AND FACIAL PALSY

Anon, Post-otitis media with facial paralysis, complete loss of electrical response, and no recovery of facial function. Am.J.Otol, 5, 1983, 163-4.

Harris, J.P., et al. Evaluation and treatment of congenital facial paralysis. Arch. Otolaryngol, 109, 1983, 145-151.

Shanon, E., Himelfarb, M.Z., Zikk, D., Measurement of auditory brainstem potentials in Bell's palsy. Laryngoscope, 95, 1985, 206-209.

Uri, N., Schuchman, G., Pratt, H., Auditory brainstem evoked potentials in Bell's palsy. Archives cf Ctolaryngology, 110, 1984, 301-4.

- Cochlear Hearing Loss

Attias, J., Pratt, H., Auditory evoked potentials and audio-logical follow-up of subjects developing noise induced permanent threshold shift. Audiology, 23, 1984, 498-608.

Attias, J., Pratt, H., Auditory evoked potential correlates of susceptibility to noise induced hearing loss. Audiology, 24, 1985, 149-156.

Attias,J., Pratt, H., follow-up auditory evoked potentials and temprarythreshold shift in subjects developing noise induced permanent hearing loss. Audiology, 25, 1986, 116-123.

Beagly, H.,A., Hlectrophysiologtcal tests of hearing. In Beagley H.A., (Be.) Audiology and audio-logical medicine. Vol.2, New York, Oxford University Press, 1-81.

Blegvad, B., Svane-Knudseo, V., Borre, ABR in patients with coagenital/early acquired sensorineural hearing loss, abnormal stapedius reflex threshold and speech retardation. Scandinavian Audiology, 13, 1984, 41-46.

Elberling, C, Auditory electrophysiology, the use of templates and cross correlation functions in the analysis of brain stem potentials. Scand..Audiol, 3, 1979, 187-90.

Lauki, J-., Mair,I.W.S., Low-frequency sensorineural hearing less. scand.Audio!., 14, 1983, 133—139.

Martin, A., et al. Auditory brainstem evoked responses as a func tion ot stimulus repetition rate in deafetes maliitus. In Verona, VC, and stephens, J.D.C, (Ed.) Disorders with difective hearing, Vol:3 S.Karger A.G., P.O.Box basel (Switz rland) 1985.

Prosser, S., et al. evaluation of the monaurally evoked brain stem response in the diagnosis of sensori neural hearing loss. scan.Audiol,12, 1933, 103-106.

Rosenhamer, H.J., Lindstron, B., Lungborg, T., On the use of click evoked electric brain stem responses in Radiological diagnosis. Ill latencies in cochlear hearing loss. Scand.Audiol. 10, 1981, 3-11.

Rutten, W.L.C., The influence of cochiear hearing loss and probe tone level on compound action potential tuning curves in humans. Hearing Research, 21, 1986, 195, 204.

Sohmer, H., Kinarti, R., Gafni, M., The latency of auditory nerve—brainstem responses in sensorineural hearing loss. Arch.Ohr.Nas.Kehlkopfheilk. 290, 1581, 189-199.

Schneider, M., Marco, A.J., Contribution of electrica1 response audioictry to the study of vertebrobasilar in—sufficiency. An otorriaolaryngol lbero Am, 10, 1983, 415-22.

Weston, P.F., Manson, J.I., A slow wave auditory brainstem responses to clicks in a case of high frequency hearing loss. British Journal of Audiology, 19, 1985 (Print).

Beagley, H.A., Electrophysiolcgical tests of hearing. In Beagley, H.A.(Ed.). Audiology and Audiological medicine. Vol.2, New York, Oxford University Press, 1981.

Coats, A.C., The summating potential and Meniere's disease, summating potential amplitude in Meniere's and non-meniere's ears. Arch.Otolaryngol, 107, 1981, 199-208.

Coats, A.C., Jenkins, H.A., Monroe, B., Auditory evoked potentials - the cochlear summating potential in detection of endolymphatic hydrops. Am.J.Otol, 5, 1984, 443-6.

Coats, A,C, Moniare's disease and summating potential-II Vestibular test results. Arch.Otolaryngol, 107, 1981, 263-270.

Kumagami, H., Nishida, H., Baba, M., Electrocochleographis study of Meniere's disease. Arch.Otolaryngol, 108, 1982, 284-288.

Moffat, D.A., Transtympanic electrocochleography in Meniere's disease, British Journal of Audiology, 13,1979,143-52.

Morizono, T., Cohen, J., Skora, M.A., Measurement of action potential thresholds in experimental endolymphatic hydrops. Annals, of Otology, Rhinology and Laryngology, 94, 1985, 191-194.

Mori, N., Comparision between electrocochleography and Glycerol test in the diagnosis of Meniere's disease. scand. Audiol, 14, 1985, 209-13.

Sagalovich, B.M., Klimov, V.V., Audiological characteristics of Meniere's disease based on recording data on brain stem evoked auditory potentials. Vestn.Otorhinolarvnaol, 5, 1984, 8-13.

- Ototoxic deafness

Forge, A., Brown, A.M., Ultrastructural and electrophysiological studies of acute ototoxic effects of furosemida. British Journal of Audiology, 16, 1982, 109-16.

Kamata, S., et al. Clinical and experimental studies on Ototoxicity of potassium bromate. Nippon Jibiinkoka Gakkai Kaiho, 86, 1983, 863-9.

Shepherd, R.K., Clark, G.M., Progressive Ototoxicity of neomycin monitered using derived brainstem response audiometry. Hearing Research, 18, 1935, 105-110.

- Conductive deafness

Boezeman, E.H.J.F., et al. Verification of the air-bone gap using cancellation and evoked responses. Audiology, 24, 1985, 174-185.

Fabian, M., et al. Platelet aggregationiin tinnitus patients. In Verona, V.C., and stephenes, s.D.G.(Ed). Disorders with defective hearing, Vol.3, S.Karger, A.G.P.O.Box. Basel (Switzerland), 1985.

Finitzo-Hieber, T., Hecox, K., Cone, B., Brainstem auditory evoked potentials in patients with congenital atresia. Laryngoscope, 89, 1979, 1151-1158.

Ison,J.R., Reiter, C, Warren, M., Modulation of the acoustic Startle reflex in humans in the absence of anticipatory changes in the middle tar reflex. J.Expp Psychol, 5, 1979, 639-642.

Mair, I.W.S., Sohoel. P., Elverland, H.H., Brainstem electric response audiometry and middle ear effusion. Scand.Audiol, 8, 1979, 227-231.

Morera, H., et al. Brain stem potentials in conductive deafness. An.ORL.Lbero-Amer, 7, 1980, 27-36.

Rosenhall, U., et al. Auditory brainstem responses in patient with vertigo. Clin.Otolarvn<3ol, 9, 1984, 149-54.

Rileny, P., Connelly, C, Robertson, C., Auditory brainstem responses in perinatal asphyxia. Int.Pediatr. Otcrhinolarvngol. 2, 1980, 147-59.

- Retrocochlear pathology

Macar, F., vitton, N., An early resolution of contingent negative variation (CNV) in the tine discrimination. Electroencephalography and Clinical Neurophysiology, 54, 1982, 426-435.

Moeller, A.R., Jannetta, P.J., Interpretation of brainstem auditory evoked potentials: Results from intracranial recordings in Humans. Scand.Audiol.12, 1983, 125-133.

Piemonte, M., Auditory evoked potentials of the brainstem in the diagnosis and evaluation of states of nervous involvement in chronic nephropathies. Acta.Otorhinolaryngol Ital. 4, 1984, 475-88.

Sanders, R.A., et al. Auditory brainstem responses in patients with global cerebral insults. J.Otolaryngol, 10, 1981, 52-58.

Wieser, H.G., Elger, C.E., Stodieck, S.R.G., The foramen ovale electrode: A new recording method for the preoperative evaluation of patients suffering from thesio-basal temporal lobe epilepsy. Electroencephalography and Clinical Neurophysiology, 61, 1985, 314-322.

Woods, D.L., Knight, R.T., Neville, H.J., Bitemporal lesions dissociate auditory evoked potentials and perception. Electroencephalography and clinical Neurophysiology, 57, 1984, 205-20.

Yagi, T., Kaga, K., The effect of the click repetition rate on the latency of the auditory evoked brainstem response and its clinical use for a neurological diagnosis. Arch.Ohr.Nas.Kehlkpoflieilk, 222, 1979, 91-96.

Zolliner, C.H., et al. ERA findings by Cortical hearing disorder. Arch.Nas.Kehlkoofheilk, 217, 1977, 457-461.

- Acoustic Neuroma

Beagiey,H.A., Electrophysiological tests of hearing. In Beagley H.A., (Ed.) Audiology and audiological medicine, Voll2, New York, Oxford University Press, 1981.

Bergenius, J., Borg, 3., Hirsch, R., stapedius reflex text, brainstem audiometry and opto-vestibular tests in diagnosis of acoustic neuromas. Scand.Audiol. 12, 1983, 3-9.

Brackmann, O.K., A review of acoustic tumors. Am.J.Otol, 5, 1984, 233-244.

Gerhart, H.J., Wagner, H., Webbs, M., Electrocochleography and brainstem evoked response recording in the diagnosis of acoustic neuromas. Acta.Otolaryngol, 99, 1985, 384-386.

Gibson, W.P.R., Diagnosis of acoustic neuroma. In Beagley, H.A. (Ed.). Audiology and audiological medicine, Vol.1 New York, Oxford University Press, 1981.

Hosakawa, S., et al. Otoneurological findings in patients with brainstem lesions. Pract.Otol.Kyato, 72, 1979, 1575-1584.

Jacobson, G.P., et al. Delayed in the absolute latency of auditory brainstem response component. P_1 in acuite inflammatory demyelinating disease, scand.Audiol. 15, 1986, 121-124.

Kanzaki, J., Auditory brainstem responses in the diagnosis of acoustic tumors. Audiol.Jap, 23, 1980, 34-43.

Kashiwagi, J., Auditory brainstem responses ina case of asymptomatic acoustic neuriroma. 0tolaryngol(Tokyo), 53, 1981, 225-231.

Levine, R.A., et al. Monitoring auditory evoked potentials during acoustic neuroma surgery. Insights into the machanism of the hearing loss. Annals of Otology, Rhinology and Laryngology, 93, 1984, 116-23.

Lonraux, C., stierle, J.L., Early diagnosis of neurinoma of the acoustic nerve. Rev.Prat.34, 1984, 2081-7.

Miller, G.W., Josey, A.F., Acoustic neuroma: Results of brainstem evoked audiometry. South Med.J. 71, 1978, 1062-1064.

Sanders, J.W., Diagnostic audiology. In Lass, N.J., (Ed.) et al. Speech, Language and Hearing, V6113, Philadelphia, W.B. Saunders, 1982.

Sklut, I.A., Slatvinskaya, R.F., Principles of early audiologic diagnostics of auditory nerve neurinoma. Zh.Ush.Nos. Gorl.Bol, 39, 1979, 15-19.

Sturzebecher, E., et al. Bera-investigations on normally hearing persons and patients with unilateral cochlear hearing loss on a basis of an early delection of acoustic neuromas. HNO-Praxis, 7, 1982, 215-211

Sturzebecher, E., Werbs, M., Kevanishvili, Z., BERA-Normal values for the early detection of acoustic neuromas. HNO Praxis, 10, 1985, 243-250.

Thomsen, J., et al. Auditory brainstem responses in patients with acoustic neuromas. Scand.Audiol.7,1978, 179-183.

- Brainatem Lesion

BRAINSTEM LESION

Catlin, F.I., Otologic diagnosis and treatment of disorders affecting hearing. In Martin, F.N.,(Ed.) Medical Audiology, Englewood cliffs, N.J.,Prentice-Hall, 1981.

Eggermont, J.J., Use of electrocochleography and brain stem auditory evoked potentials in the diagnosis of cerebellopontine angle pathology. Advances in Oto-rhinolaryngology, 34, 1984, 47-50.

Hu,K., Simultaneous recording of auditory brainstem evoked potential and transtympanic EcoCHG in the diagnosis of the cerebellopontine angle lesion. Chung Hua I Hsueh Tsa Chih, 64, 1984, 294-8.

Kashiwagi, J., BSR in the topographical differential diagnosis of the brain stem lesions. Audiol.Jap.22, 1979, 41-50.

Kraus, N., et al. Absent auditory brainstem response: peripheral hearing loss and brainstem dysfunction. Laryngoscope, 94, 1984, 400-6.

Holier, A.R., Jannetta, P.J., Monitoring auditory nerve potentials during operations in the cerebellopontine angle. Otolaryngol.Head Neck Surg. 92, 1984, 434-9.

Musiek, F.E., Geurkink, N.A., Auditory brainstem response and central auditory test findings for patients with brainstem lesions:A preliminary report. Laryngoscope, 92, 1982, 891-900.

Musiek, F.E., Geurkink, N.A., Audiologic assessment of brainstem disorders; A synopsis. Audiology and Hearing Education, 5, 1979, 11-16.

Noffsinger, D., Martinez, C D., schalfer, A.B., Auditory brain stem responses and masking level differences from persons with brainstem lesion. Scand.Audiol. 15, 1982, 81-93.

Onishi, S., Kujiral, K., Auditory brainstem responses in the diagnosis of brainstem lesion. Audiol.Jap. 21, 1978, 688-96.

Prosser, s., Arsolan, E., Pastore, A., Auditory brainstem response and hearing threshold in cerebeliopontine angle tumours. Arch Otorhinolaryngol. 239, 1984, 183-9.

Sasama, K., et al .The present diagnostic possibilities of acousti-cally evoked brainstem responses. UNO.Praxis, 7, 1982, 23-28.

Shanon, E., Gold, s., Hinelfarb, M.Z., Auditory brainstem responses in cerebdlopontine angle tumours. Laryngoscope, 91, 1981, 254-259.

Shanon,E., Himelfarb, M.Z., Gold, S., Auditory function in Friedrich's ataxia. Electrophysiologic study of a family. Arch.Otolaryngol.107, 1981, 254-256.

Thoma, J., Gerull, G., Mrowinski, D., Evoked response audiometry in cerculatory disorders in the brainstem. Laryngol. Rhinoi, Otol, 61, 1982, 155-8.

Wofford, M., Audiological evaluation and management of hearing disorders. In Martin, F.N(Ed.) Medical Audiology, Englewood Cliffs, N.Y.,Prentice-Hall 1981

- Multiple sclerosis

Aminoff, M.J., Davis, S.L., Panitch, H.S., Serial evoked potential studies in patients with definite multiple sclerosis. Arch.Neurol, 41, 1984, 1197-1202.

Barajas, J.J., Brainstem response audiometry as subjective and objective test for neurological diagnosis. Scand.Audiol. 14, 1985, 57-62.

Clifford-Jones, R.E., Clarke, G.P., Mayles, P., Crossed acoustic response combined with visual and somatosensory evoked responses in the diagnosis of multiple sclerosis. J.Neurol.Neuro surg. Fsychiat. 42, 1979, 149-752.

Fisher, C, et al. The acuite deafness of definite multiple sclerosist BREP patterns. Electroencephalography and Clinical Neurophysiology, 61, 1985, 7-15.

Hannley, M., Jerger,J.P., Rivers, V.M., Relationships among auditory brainstem responses, MLDs and the acoustic reflex in multiple sclerosis. Audiology, 22, 1983, 20-33.

Kayamori, R., et al. Brainstem auditory evoked potential and blink reflex in multiple sclerosis. Neurology(NY). 34, 1984, 1318-23.

Matathias, O., Sohmer, H., Biton, V., Central auditory tests and auditory nerve brainstem evoked responses in multiple sclerosis. Acta 0tolaryngol.99, 1985, 369-76.

Paludetti, G., et al. Auditory brainstem responses in multiple sclerosis. scand-Audiol. 14, 1985, 27-34.

Parving, A., Elberling, C, smith, T., Auditory electrophysiology: Findings in multiple sclerosis. Audiology, 20, 1981, 123-142.

Quaranta, A., Mininni, F., Longo, G., ABR in multiple sclerosis IPSI-versus contralateral derivation. scand. Audiol, 15, 1986, 125-228.

Shanon, E., et al. Auditory potentials of cochlear nerve and brainstem in multiple sclerosis. Arch.Otolaryngol. 105, 1979, 505-508.

Soudant, J., et al. Brainstem evoked responses,study of the adaptation of the response in multiple sclerosis. Ann.Oto.Laryngol, 95, 1978, 559-568.

- Speech and Language Problem

SPEECH AND LANGUAGE PROBLEM

Kittel, G., First results of multi-channel monopolar ERA with patients suffering from Aphasia. HNO. Praxis, 6, 1981, 199-205.

Mason, S.M., Mellor, D.H., Brainstem, middle latency and late cortical evoked potentials in children with speech and language disorders. Electroencephalography and Clinical Neurophysiology, 59, 1984, 297-309.

Mosor, M., ERAL Multichannel monopolar), HNO, 27, 1979, 69-71.

- syndrome.

SYNDROME

Fabiani, M., et al. Hearing disorders in harmophilia and Von Willebrand's disease. In Verona, V.C., and Stephenes, S.D.G.,(Ed.) Disorders with defective hearing, Vol.3, S.Karger,A.G., Basel, (Switzerland), 1985.

Jensen, J.H., Courtois, J., Auditory findings in Kerns-Sayre syndrome. In Verona, V.C., and StepMens, S.D.G., (Ed.) Disorders with defective hearing, Vol.3, S.Karger, A.G., Basel, (Switzerland), 1985.

Taylor, M.J., and Polomeno, R.C., Further observations on the auditory brainstem response in Duane's syndrome. Can.J.Ophthalmol, 18, 1983, 238-40.

Yellin, A.M., Lodwig, A.K., Jerison, H.J., Auditory evoked brain potentials as a function of interstimulus interval in adults with Down's syndrome. Audiology, 19, 1980, 255-262.

- Psychophysics study

Antonelli, A., Grandori, F., Some aspects of the auditory nerve responses evoked by tone bursts. British Journal of Audiology, 18, 1984, 117-26.

Bachen, N.I., Detection of stimulus-related activity in the electroencephalogram (BBS). IEEE Trans. 33, 1986, 566-571.

Baranak, C.C., Marsh, R.R., Potsic, W.P., Sedation in brainstem response audiometry. Int.J.Pediatr. Otorhinolaryngol, 8, 1984, 55-9.

Barlow,J.S., Automatic elimination of electrodepop artifacts in EEG. IEEE Trans.33, 1986, 517-921.

Beagley, H.A., Fish, L., Bio-electric potentials available for electric response audiometry:indications and contra-indications. In Beagley, H.A.,(Ed.), Audiology ami Audiological medicine, Vol.2, New York, Oxford University Press, 1981.

Bernard, Ph., Alterations of auditory evoked potentials during the course of chloroquine treatment. Acta Otolaryngol. 99, 1985, 387-392.

Burkard, R., Hecox, K., The effect of broadband noise on the human brainstem auditory evoked response. II frequency specificity. Journal of Acoustical Society of America, 74, 1983, 1214-23.

Brunko, E., et al Unusual pattern of somatosensory and brainstem auditory evoked potentials after cardio respiratory arrest. Electroencephaloaraphy and clinical Neuro—physiology, 62,1985, 338-342.

Bukard, R., Deegan, D., Brainstem evoked responses to paired-click stimuli; The use of digital response subtraction. Audiology, 23, 1984, 85-98.

Burkard, R., Hecox, K., The effect of broadband noise on the human brainstem auditory evoked response 1. Rate and intensity effects. Journal of Acoustical Society of America, 74, 1983, 1204-13.

Contin,Churchman, P., Effect of changes in stimulus intensity and sensory acuity on auditory brainstem response. Electromyography and Clinical neurophysiology. 23, 1983, 447-56.

Davis, H., et al. Frequency selectivity and thresholds of brief stimuli suitable for electric response and audiometry. Audiology, 23, 1984, 59-74.

Debruyne, F., Binaural interaction in early, middle and late auditory evoked-responses. Scand.Audiol. 13, 1984, 293-6.

Doble, R.A., Wilson, M.J., Binaural interaction in auditory brain stem responses: Effects of masking. Electroencephalography and Clinical Neurophysiology, 62, 1985, 56-64.

Dolan, T.G., Abbas, P.J., Changes inthe $2F_1$-F_2 acoustic emission and whole-nerve response following sound exposure: long term effects. Journal of Acoustical society of America, 77, 1985, 1475-1483.

Don, M., Eggermont, J.J., Brackmann, D.E., Reconstruction of the audiogram using brain stem responses and high pass noise masking. Ann.Otol.Rhinol.Laryngol. 88, 1979, 1-20.

Eggermont, J.J., The inadequacy of click-evoked auditory brain stem responses in audiological applications. Ann NY Acad.Sci, 388, 1982, 707-9.

Elfser, L.F., Barnes, A.R., Onset-offsets of the human brainstem auditory evoked response. Journal of Audiology Research, 23, 1983, 101-7.

Gersdorff, M., Andre, M., Crucifix, N., Simultaneous registration of electrocochleography and early auditory evoked potentials using surface electrodes. Acta Otorhino-laryngoi Belg, 32, 1984, 170-6.

Gerull, G., Mrowinski, D., Brainstem potentials evoked by binaural click stimuli with differences in inter-aural time and intensity. Audiology, 23, 1984, 265-76.

Hari, R., et al., Responses of the primary auditory cortex to pitch changes in a sequence of tone pips! Neuro-magnetlc recordings in man. Neurosci Lett, 50, 1984, 127-32.

Henry, R.R., Effects of noise, hypothermia and barbiturates on cochlear electrical activity. Audiology, 19, 1980, 44-56.

Johnson, D.H., Swamy, A., The bransmission of signals by auditory nerve fiber discharge patterns. Journal of Acoustical Society of America, 74, 1983, 493-501.

Kevanish, Z., Aphonchenko, V., Frequency composition of brainstem auditory evoked potentials. Scand.Audiol, 8, 1979, 51-55.

Kinarti, R., Sohmer, H., Analysis of auditory brainstem response sources along the basilar membrane to low-frequency filtered clicks. Isr.J.Med.sci, 18, 1982, 93-8.

Mason, S.M., Effects of high pass filtering onthe detection of the auditory brainstem response. British Journal of Audiology, 18, 1984, 155-61.

Maurizi, M., et al. Auditory brainstem responses to middle - and low frequency tone pips. Audiology, 23, 1984, 75-84.

McSayers, B., Beagley, H.A., Ross, A.I., Auditory evoked potentials of cortical origin. In Beagley, H.A.(Ed.). Auditory investigation: The scientific and technological basis. Clarendon Press, Oxford, 1979.

Moore, E.J., Effects of stimulus parameters. In Moore, E.J(Ed.). Bases of Auditory brain stem evoked responses, Grune & Stratton INC, 1983, 221-251.

Musiek, F.E., et al. Past, Present and Future applications of the auditory middle latency response. Laryngoscope, 94, 1545-53.

Pfeffrbaum, A., et al. Event related potential changes in chronic alcoholics. Electroencephalography and Clinical NeuroPhysiology, 47, 1979, 637-647.

Picton, T.W., et al. Brainstem evoked potentials to tonepips in notched noise. J.Otolarvnaol, 8, 1979, 289-314.

Poon, P.W., et al. Detection of interaural time differences for clicks and tonepipe: effects of interaural signal disparity. Hearing Research. 15, 1984, 179-85.

Principe, J.C.,Smith, J.R., Design and implementation of linear phase fir filters for biological signal processing. IEEE Trans. 6, 1986, 550-459.

Rosenhamer, H.J., Holnkvist, C., Latencies of ABR (Waves III and V) to binaural clicks: effects of interaural time and intensity differences. Scand.Audiol. 12, 1983, 201-7.

Ryndina, A.M., Murav'eva, R.A., Antipova, N.P., Characteristics of amplitude time parameters of the auditory evoked potentials in different forms of hearing loss. Vestn. Otorhinolaivnaol. 3, 1962, 21-4.

Skecker, M., Problems of electric response audiometry in practice. Laryngol Rhinol Otol, 62, 1983, 566-99.

Smyth, V., On the effect of cross-hearing and clinical masking on the auditory brainstem evoked response. Electro-encephalography and clinical Neurophysiology, 61, 1985, 26-29.

Sohmer, A., Kinarti, R., Survey of attempts to use auditory evoked potentials to obtain an audiogram. British Journal of Audiology, 18, 1984, 237-44.

Stowell, H., Event related aspects of somatosensory and auditory evoked potentials: Noise on signals. Ant.J.Neurose. 26, 1985, 225-237.

Suzuki, T., Horiuchi, K., Effect of stimulus rise time on the latency of the auditory brainstem response. Audiol. Jap, 27, 1979, 496-501.

Suzuki, T., Horiuchi, K., Rise time of puretcne stimuli in brain stern response audiometry. Audiology, 20, 1981, 101-112.

Suter, CM., Brewer, C.C., Auditory brainstem response wave latency intensity function and three audiologic measures of cochlear function. Ear and Hearing, 4, 1983, 212-219.

Takagi, N., Suzuki, T., Kobayashi, K., Effect of tone burst frequency on fast and slow components of auditory brain stem response. Scand.Audiol,14, 1985, 75-99.

Van, Z.G.A., Brocear, M.P., Frequency specific auditory brainstem responses to clicks masked by notched noise. Audiology, 23, 1984, 253-64.

Wastell, D.G., When Wiener filtering is less than optimal: An Illustrative application to the brainstem evoked potential. Electroencephalography and Clinical Neurophvsiology. 51, 1981, 678-682.

Wasterstrom, S.A., Auditory brainstem evoked response after single-dose injection of lidocaine and tacoinide. Scand.Audiol, 14, 1985, 41-45.