

11th EFAS Congress

19-22 June, 2013. Budapest, Hungary

PRELIMINARY PROGRAM

Wednesday, June 19.

First Hall

- 15.15-16.15 MED-EL Symposium
- 16.15-16.30 Break
- 16.30-17.30 Amplifon Symposium
- Noise tolerance & hearing aid use** (15 min)
Amplifon Research
- The Hidden Hearing Loss** (15 min)
Prof. David McAlpine
- Cognition & Hearing Loss** (15 min)
Prof. Sophia Kramer
- Dementia & Hearing Loss** (15 min)
Dr Isabelle Mosnier
- 17.30-17.45 Break
- 17.45-18.15 Advanced Bionics Symposium
- 18.15-18.30 Break
- 18.30-20.00 Opening Ceremony
Békésy Memorial Session
Chair: József Géza Kiss, Kurt Stephan
- 20.00 Welcome Reception at Hotel Boscolo

Third Hall

- 11.00-14.00 EFAS commissions in seminar rooms

Thursday, June 20.

First Hall

08.00-09.00 Keynote 1

Molecular Biology and Genetics of Hearing

István Sziklai
University of Debrecen, Hungary

09.00-10.30 Structured Session 1

Rehabilitation for children and adults after cochlear implantation – longterm follow-up programs in Europe

Organized by: Gerard O'Donoghue, Norbert Dillier

Opening Video of long term CI patients: 'Reaching for Stars' (10 min)

Presentations (35 min):

Participants: Rainer Beck (Freiburg); Norbert Dillier (Zurich), Monika Matusiak (Warsaw), Tracey Twomey (Nottingham), Anneke Vermeulen (Nijmegen), Josef Kiss (Szeged).

Inquisition (45 min)

10.30-11.00 Coffee break

11.00-12.30 Structured Session 2

Audiology, auditory neuropathy and genetics

Organized by: Tobias Moser, Joseph Attias

Pathophysiology of auditory neuropathy and synaptopathy (20 min)

Tobias Moser
InnerEarLab, Department of Otolaryngology, University of Göttingen Medical School, Robert-Koch-Strasse 40, D-37075 Göttingen, Germany

Auditory synaptopathy caused by mutations in the OTOF gene: how animal models can help to explain audiological test results. (20 min)

Nicola Strenzke
Auditory Systems Physiology Group, Dept. of Otolaryngology, University of Göttingen Medical School Sensory Research Center SFB 889

The varieties of Auditory Neuropathy: Clinical & Long term follow up (20 min)

Attias Joseph^{1,2}, Raveh E^{3,5}, Aviva Fattal-Valevski^{4,5}, Peled M², Efrati M².

¹*Department for Communication Sciences & Disorders, University of Haifa, Haifa;*

²*Institute for Audiology and Clinical Neurophysiology,*

³*Department of Pediatric Otorhinolaryngology, Schneider Children's Medical Center of Israel, Petach Tikva;*

⁴*Pediatric Neurology Unit, Tel Aviv Sourasky Medical Center, Tel Aviv;*

⁵*Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv; Israel*

Management and Outcomes of Patients with Auditory Neuropathy/Dys-synchrony (20 min)

L.J. Hood¹, T. Morlet², C.I. Berlin³

¹*Vanderbilt University, Nashville, Tennessee USA,*

²*A.I. du Pont Hospital for Children, Wilmington, Delaware USA*

³*University of South Florida, Tampa, Florida USA*

Discussion (10 min)

12.30-14.00

Lunch

14.00-15.30

Structured Session 3

Modeling the impaired ear

Organized by: Christian Lorenzi, Enrique A. Lopez-Poveda

Introduction of the session (5 min)

Modelling effects of sensorineural hearing loss and age on temporal fine structure and envelope processing (15 min)

Stephan D. Ewert, Steffen Kortlang

Medizinische Physik, Universität Oldenburg, Germany

Predicted effects of sensorineural hearing loss on within- and across-fiber temporal coding (15 min)

Jayaganesh Swaminathan¹, Michael Heinz², Charlotte Reed¹, Louis Braida¹ and Joseph Desloge¹

¹*Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, MA,*

²*Purdue University, West Lafayette, IN*

A model of auditory deafferentation (15 min)

Enrique A. Lopez-Poveda^{1,2,3}, Pablo Barrios^{2,4}

¹*Instituto de Neurociencias de Castilla y León, University of Salamanca, Spain*

²*Instituto de Investigación en Biomedicina de Salamanca, Spain*

³*Departamento de Cirugía, Facultad de Medicina, University of Salamanca, Spain*

⁴*Unidad de Foniatria, Logopedia y Audiología, Hospital Universitario de Salamanca, Spain*

Modeling the impact of cochlear impairment on brainstem processing (15 min)

Dan Goodman, Alain de Cheveigné, Christian Lorenzi, Jean-Marc Edeline, Akadiusz Stasiak, Ian Winter

Modeling the Peripheral and Central Effects of Cochlear Impairment (15 min)

I.C. Bruce¹, M. Chrostowski^{1,2}, S. Becker¹

¹*McMaster University, Hamilton, ON, Canada,*

²*Ontario Brain Institute, Toronto, ON, Canada*

General questions and conclusions (10 min)

15.30-16.00

Coffee break

16.00-17.30

EFAS Special Session 1

BA/MA Education in Audiology

Organized by: Birger Kollmeier, Norbert Dillier, Jan Wouters

Overview of university education programs in Europe as reported by EFAS representatives (15 min)

B. Kollmeier¹, K.Klink¹, N. Dillier², J. Wouters³

¹*Center of Excellence for Hearing Research and MedizinischePhysik, Universität Oldenburg, Germany*

²*Lab. For Experimental Audiology, University Hospital, Zürich, Switzerland*

³*KU Leuven, Dept. of Neurosciences, ExpORL, Leuven, Belgium*

Technical Audiology programs: Similarities and differences (15 min)

J. Wouters¹, H. Luts¹, N. Dillier², B. Kollmeier³

¹*KU Leuven, Dept. of Neurosciences, ExpORL, Leuven, Belgium*

²*Lab. For Experimental Audiology, University Hospital, Zürich, Switzerland*

³*Center of Excellence for Hearing Research and MedizinischePhysik, Universität Oldenburg, Germany*

General Audiology programs: The Nordic model; Challenges and Progress over the years
(15 min)

Arne Vik

Sor-Trondelag University College, Aalesund, Norway

Market place of university education programs: each program should be represented both by students and by program leaders to make their specialties known to the other programs (30 min)

Norbert Dillier

Zürich

University college Leonard de Vinci : Teaching Audiology in the heart of Europe since 1969

P. Verheyden, Emily Markessis

Department of Audiology, University college Leonard de Vinci, Brussels

Master of Science study program “Hearing technology and audiology” in Germany

T. Brand, B. Kollmeier

Department of Medical Physics and Acoustics, University of Oldenburg

Audiology and Optometry - a new model in education

Annette Limberger

Aalen University of Applied Sciences, Aalen, Germany

The audiology program at the Karolinska Institutet in Stockholm Sweden

Å. Skjönsberg, A. Hagerman-Siirala, P. Herrlin, J. Hägerström, H. Wallsten, AC. Johnson

Karolinska Institutet, Dept. of clinical science, intervention and technology, unit of audiology, Huddinge, Sweden

Podium discussion : What are the requirements from the students and teaching staff to EFAS? (15 min)

Second Hall

09.00-10.30

Free Papers

Age Related Hearing Loss

Audiology, Auditory Neuropathy And Genetics

Persistence of Otoacoustic Emissions in children with Auditory Neuropathy Spectrum Disorders

Hossam S.Talaat¹, Lobna H. Khalil², Ahmed Khafagy³, Mariyam Elkandary⁴, Ahmed Zein¹

¹Department of Otolaryngology, Audiology unit , Menoufiya University, Egypt,

²Department of Otolaryngology, Audiology unit , Ain Shams university, Egypt,

³Department of Otolaryngology, Ain Shams university, Egypt, ⁴Department of Audiologist, Sabah Hospital, Kuwait

Acoustic Change Complex and Auditory Perception Profile of Children with Auditory Neuropathy Spectrum Disorder (ANSO)

Esra Ozcebe¹, Esra Yucel¹, Meral Didem Turkyılmaz¹, Süha Yağcıoğlu², Merve Batuk Özbal¹,

Songül Aksoy¹, Gonca Sennaroglu¹

¹University of Hacettepe Medical Faculty, E.N.T Audiology Department,

²University of Hacettepe Medical Faculty Biophysics Department

Cryptococcal meningitis revealed by auditory neuropathy and vestibular neuritis in the absence of immunodeficiency

A. Bascou^{1,2,3}, E. Ionescu², R. Herman², E. Veuillet^{2,3}, H. Thai-Van^{1,2,3}

¹ *Université Lyon I, Lyon F-69003, France,*

² *Hospices Civils de Lyon, Service d'audiologie et d'explorations Orofaciales, Hôpital Édouard Herriot, Lyon, F-69003, France,*

³ *Centre de Recherche en Neurosciences de Lyon, INSERM U1028 CNRS UMR5292, France*

Comparative analysis of objective audiometric results and neuropathy parameters in patient groups with different duration of diabetes mellitus

J. Jarabin¹, F. Tóth¹, J. G. Kiss¹, T. T. Várkonyi², L. Rovó¹

¹ *Department of Otorhinolaryngology, University of Szeged, Hungary*

² *Department of 1st Department of Internal Medicine, University of Szeged, Hungary*

The examinations of the cochlear function in diabetic neuropathy

F Tóth, TT Várkonyi¹, J Jarabin, Zs Sevacsek, L Rovó, CS Lengyel, JG Kiss

Department of Otolaryngology, Head and Neck Surgery,

1 1st Department of Medicine, University of Szeged, Szeged, Hungary

A long-term follow-up of hearing and tinnitus in Swedish adult males

Å. Skjönsberg^{1,2}, R. Bogo¹, K. Karlsson², M. Svartengren³, A. Farah⁴, AC. Johnson¹.

¹ *Karolinska Institutet, Dept. of Clinical science, intervention and technology, unit of audiology, Stockholm, Sweden,*

² *Karolinska University Hospital, Dept. of audiology and neurotology, Huddinge, Sweden,*

³ *Uppsala University, Dept. of Medical Sciences, Occupational and Environmental Medicine, Uppsala Sweden,*

⁴ *Karolinska University Hospital, Center for Occupational and Environmental Medicine, Stockholm County Council, Sweden*

Age-related hearing loss in elderly male twins: a longitudinal study

R. Bogo¹, M. Svartengren², A. Farah³, K.K. Karlsson⁴, AC. Johnson¹, Å. Skjönsberg^{1,4}

¹ *Karolinska Institutet, Dept. of Clinical science, intervention and technology, unit of audiology, Stockholm, Sweden,*

² *Uppsala University, Dept. of Medical Sciences, Occupational and Environmental Medicine, Uppsala, Sweden*

³ *Karolinska University Hospital, Center for Occupational and Environmental Medicine, Stockholm County Council, Sweden,*

⁴ *Karolinska University Hospital, Dept. of audiology and neurotology, Huddinge, Sweden*

Communication Problems in Hearing-Impaired Elderly

Songul Aksoy, Filiz Aslan

Hacettepe University, Faculty of Health Sciences, Department of Audiology

10.30-11.00 Coffee break

11.00-12.30 Free Papers

Audiological Rehabilitation

Speech tests independent from language

Speech perception in quiet, in stationary noise and in fluctuating noise in cochlear implant listeners

Hast A., Schlücker L., Digeser F, Hoppe U

CICERO - CI Centrum Erlangen, ENT clinic, university clinic Erlangen

Health-related quality of life in prelingually deafened adolescents after cochlear implantation

A.V. Balakina¹, M.M. Litvak¹, A.V. Starokha¹

Tomsk Branch of the FSBE " RESEARCH CENTER OF OTORHINOLARYNGOLOGY OF THE FMBA "

Assessing and predicting speech perception in early-deafened late-implanted adults

Philips Birgit, Baudonck Nele, Dhooge Ingeborg
UZ Gent, Belgium

Modification of freefield audiometry technique for speech processor fitting

M. Litvak, A. Starokha
Siberian State Medical University, Tomsk, Russia

Satisfied clients use their hearing aids more – myth or reality?

C. Nielsen, A. Laplante-Lévesque, L. D. Jensen
Eriksholm Research Centre, Snekkersten, Denmark

Better together: reduced compliance after sequential vs. simultaneous bilateral hearing aids fitting

Lavie L¹, Banai K¹, Attias J¹, Karni A².

¹ *Department of Communication Sciences and Disorders, University of Haifa,*

² *Sagol Department of Neurobiology & Ethology and EJ Safra Brain Research Center, University of Haifa*

How can we make sure that hearing impaired children becomes an integrated part of a class

Anna Karlsson Lejon
Comfort Audio AB

Validation of the Auditory Adaptive Speech Test in the group of patients with Partial Deafness

Lorens A¹, Coninx F², Lutek A¹, Piotrowska A¹, Skarżyński H¹

¹ *Institute for Physiology and Pathology of Hearing, Warsaw, Poland;*

² *Institute für Audiopedagogik at the University of Cologne, Germany*

12.30-14.00 Lunch

14.00-15.30 Free papers

Basic Science And Genetics In Audiology

MTHFR 677T as an important determinant of a degree of hearing loss among Polish males with postlingual sensorineural hearing impairment

Pollak A¹, Mueller- Malesinska M¹, Lechowicz U¹, Skorka A², Korniszewski L¹, Sobczyk-Kopciol A³, Waskiewicz A⁴, Broda G⁴, Oldak M⁵, Skarzynski H¹, Ploski R⁶

¹ *Institute of Physiology and Pathology of Hearing, ul. Zgr. AK Kampinos 1, 01-943 Warsaw, Poland,*

² *Department of Paediatrics, Medical University of Warsaw, Poland,*

³ *Department of General Biology and Parasitology, Medical University of Warsaw, Poland,*

⁴ *Department of Cardiovascular Diseases Epidemiology, Prevention and Health Promotion, Institute of Cardiology, ul. Alpejska 42, 04-628 Warsaw, Poland,*

⁵ *Department of Histology and Embryology Center of Biostructure Research, Medical University of Warsaw, Chałubińskiego 5, 02-004 Warsaw, Poland,*

⁶ *Department of Medical Genetics, Medical University in Warsaw, ul. Pawinskiego 3c, 02-106 Warsaw, Poland*

Novel N714H mutation in WFS1 identified by exome sequencing and linkage analysis as a cause of autosomal dominant hearing loss

Lechowicz U¹, Pollak A¹, Podgórska A¹, Oldak M², Mueller-Malesinska M¹, Korniszewski L¹, Skarżyński H¹, Ploski R³

¹ *Institute of Physiology and Pathology of Hearing, Warsaw,*

² *Department of Histology and Embryology, Medical University of Warsaw,*

³ *Department of Medical Genetics, Medical University in Warsaw*

GJB2 gene testing in infants with sensorineural hearing loss: what does it give to audiologist?

M.R.Lalavants¹, E.A. Bliznezch², T.G.Markova¹, V.V.Bakhshinyan¹, A.V.Polyakov², G.A.Tavartkiladze¹

¹ National Research Centre for Audiology and Hearing Rehabilitation, Moscow, Russia,

² Medical Genetic Centre, Russian Academy of Medical Sciences, Moscow, Russia

Audiologic and genetic determination of hearing loss in osteogenesis imperfecta

F. Swinnen¹, E. De Leenheer¹, P. Coucke², C. Cremers³, I. Dhooge¹

¹ Department of Otorhinolaryngology, Ghent University Hospital, Belgium,

² Center for Medical Genetics, Ghent University Hospital, Belgium,

³ FC Donders Institute for Neurosciences, Department of Otorhinolaryngology, Radboud University Nijmegen Medical Centre, The Netherlands

Audiological features of hereditary form of prelingual sensorineural hearing loss in Belarus

E.P. Merkulava¹, A.M. Levaya-Smaliak², N.G. Danilenko³, Olejnik O.A.³

¹ Belarussian Medical Postgraduate Academy, Minsk, Belarus,

² State Scientific and Practical Center of Otorhinolaryngology, Minsk, Belarus,

³ Institute of Genetics and Cytology, Minsk, Belarus

The First Linkage Analysis Study On Families With Hereditary Hearing Loss In Southern Egyptian Population Revealed Unexpected Results

M.R. Mohamed¹, M. Baur², P. Nuernberg³, M. Pfister²

¹ Audiology Unit, Department of Otolaryngology, Assiut University Hospitals, Egypt,

² Department of Otolaryngology, Head and Neck Surgery, University of Tuebingen, Germany,

³ Cologne centre for genomics, University of Cologne, Germany

Recent advances in genetic hearing loss in Egypt

M.R. Mohamed¹, A. Bress², P. Nurnberg³, M. Pfister²

¹ Audiology Unit, Department of Otolaryngology, Assiut University Hospitals, Egypt

² Department of Otolaryngology, Head and Neck Surgery, University of Tuebingen, Germany

³ Cologne centre for genomics, University of Cologne, Germany

Morphological and Proteomics Research in Human Cochlear

Wei Liu

Department of Otology, Uppsala University Hospital, Sweden

15.30-16.00 Coffee break

16.00-17.30 Free papers
Hearing Aids

The Evolution of Directionality

Derya Ceylan

Global Audiology, GN ReSound

Evidence-Based Wind Noise Reduction Strategies

K. Chung², K.B.Nie

¹ Affiliation of Chung: Northern Illinois University,

² Affiliation of Nie: University of Washington

Effects of nonlinear frequency compression on speech perception in noise in normal hearing subjects

R.J.J.H.M. Miserus, A.J. Bosman

Department of Otorhinolaryngology, Radboud University Medical Centre, Nijmegen, The Netherlands

Loudness-based percentile fitting (LPFit) – A new era in hearing aid fitting?

S. Kreikemeier, J. Kiessling

Justus Liebig University Giessen, Department of Audiology

Speech Perception with Hearing Aids in Comparison to Audiological Measures

Ulrich Hoppe¹, Thomas Hocke², Frank Digeser¹, Horst Hessel²

¹*Cochlear Implant Center CICERO, ENT Dept., University of Erlangen-Nuremberg, Erlangen, Germany*

²*Cochlear Deutschland GmbH & Co. KG, Hannvoer, Germany*

Speech understanding with the Baha BP110 Power and the Baha Intenso

Martin Kompis, Anja Kurz, Marco Caversaccio

Department of ENT, Head and Neck surgery, Inselspital, University of Bern, Switzerland

I Hear You - Second Generation Bluetooth Hearing Aid Accessory

L. H. Hernvig¹, B. Kirkwood², C. T. Jespersen³

¹*Global Audiology, GN ReSound,*

²*Global Audiology, GN ReSound,*

³*Global Audiology, GN ReSound*

Device-to-device Communication - How to Fit ReSound's Binaural Fusion

L. H. Hernvig

Global Audiology, GN ReSound

Third Hall

09.00-10.30

Free Papers

Paediatric Audiology

Differential diagnostics severe versus profound hearing loss in infants using ASSR “CE Chirp”

Spiewak P. Spiewak B.

Independent Audiology Services Audiofonika Bielsko-Biala Poland

Specificity of hearing impairment in children with central nervous system pathologies

D.A.Shukurov, G.S. Khaydarova

ENT department of Second Clinic of Tashkent Medical Academy, Tashkent, Uzbekistan

Evaluation of Carboplatin Chemotherapy on Time-Frequency features of Transient-Evoked otoacoustic emissions in Children

Gabriella Tognola¹, Shaum Bhagat^{2,3}, Alessia Paglialonga¹, Emma Chiaramello¹

¹*CNR Italian National Research Council, Institute of Biomedical Engineering, Milan, Italy*

²*Hearing Science Laboratory, School of Communication Sciences and Disorders, The University of Memphis*

³*St. Jude Children's Research Hospital, Memphis, USA*

Minimal hearing loss in school age children – prevalence and consequences

Piotrowska A.¹, Piłka A¹, Kochanek K¹, Śliwa L¹, Jędrzejczak WW¹, Skarżyński PH², Skarżyński H¹

¹*Institute for Physiology and Pathology of Hearing, Warsaw, Poland*

²*World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw, Poland*

Speech language skills in children with hearing loss connected to otitis media

Jasenka Broz Frajtag, Dinah Vodanović

Speech language pathologist, University Clinical Hospital Center Zagreb, Kišpatičeva 12, Departement of Otolaryngology, Zagreb, Croatia

Audiological assessment in infants

S. Spiric, P. Spiric, D. Travar, S. Spremo, M. Gnjatic

ENT clinic University clinic center Banja Luka, Bosnia and Herzegovina

A new interactive & self-paced speech test for children

P. Zoth¹, A. Bohnert², V. Schirkonyer³, A. Keilmann², T. Janssen³

¹*PATH medical GmbH, Germering, Germany*

²*Department for Oto-Rhino-Laryngology, Division for Communication Disorders, Medical Center of the Johannes Gutenberg-University Mainz, Germany*

³*ENT-Clinic, Klinikum rechts der Isar, Technische Universität München, Germany*

Auditory temporal and spectral processing and speech perception in noise of older people

H. Putter-Katz¹, N. Horev^{1,2}, H. Pratt²

¹*Communication Sciences and Disorders, Ono Academic College, Kiryat Ono, Israel,*

²*Technion- Israel Institute of Technology, Haifa, Israel*

10.30-11.00 Coffee break

11.00-12.30 Free Papers

Vestibular And Balance Disorders

Disequilibrium Screening Test Battery

Sorina Stoian¹, Mădălina Georgescu^{1,2}

¹*'Carol Davila' University of Medicine and Pharmacy Bucharest, Romania*

²*Institute of Phono-Audiology and Functional ENT Surgery Bucharest, Romania*

Retrograde viral labeling of vestibular and auditory neurons from the nasolabial region of rats

Frigyes Helfferich¹, Guillaume Lourmet¹, Éva Rebeka Szabó¹, Zsolt Boldogkői², Miklós Palkovits¹

¹*Neuromorphological and Neuroendocrine Research Laboratory, Department of Anatomy, Histology, and Embryology, Semmelweis University and the Hungarian Academy of Sciences, Budapest, Hungary*

²*Department of Medical Biology, Faculty of Medicine, University of Szeged, Szeged, Hungary*

Sensory organization test results in school-aged children with attention-deficit/hyperactivity disorder

Aydinli Esen Fatma¹, Çınar Çiçek Betül¹, Pektaş Alev², Kirazlı Meltem Çiğdem¹, Çak Tuna³, Çengel Kültür Ebru³, Aksoy Songül¹

¹*-Hacettepe University ENT Department Audiology and Speech Pathology Unit*

²*-Bezmi Alem University, Health Sciences Faculty Audiology Department*

³*-Hacettepe University, Faculty of Medicine Child&Adolescent Mental Health Department*

Association between vestibular testing and balance performance in children with a bilateral hearing impairment

L. Maes¹, A. De Kegel², H. Van Waelvelde², I. Dhooge¹

¹*Ghent University, Department of Oto-Rhino-Laryngology and Logopaedic-Audiologic Sciences, Ghent, Belgium*

²*Artevelde University College - Ghent University, Department of Rehabilitation Sciences and Physiotherapy Ghent, Ghent, Belgium*

Evidence of Cortical activity in symptomatic epileptic vertigo

Heba R.Kamel¹, Salma H.Khalil², MahaM.Nada², Hany M.Zakieldine¹, Lobna H. Khalil³

¹*Department of Neurophysiology, Cairo university, Egypt*

²*Department of Neurology and Psychiatry, Ain Shams university, Egypt*

³*Department of Otolaryngology, Audiology unit, Ain Shams university, Egypt*

Virtual reality – treatment option for uncompensated unilateral vestibular loss

Madalina Georgescu^{1,2}

¹ *Institute of Phono-Audiology and ENT Functional Surgery Bucharest, Romania*

² *University of Medicine and Pharmacy 'Carol Davila' Bucharest, Romania*

12.30-14.00 Lunch

14.00-15.30 Free Papers
Hearing Screening

Using the SUN (Speech Understanding in Noise) test in occupational hearing conservation: A pilot study in a group of noise-exposed workers

Alessia Paglialonga¹, Gabriella Tognola¹, Cristian Botti², Ferdinando Grandori¹

¹ *CNR Italian National Research Council, Institute of Biomedical Engineering, Milan, Italy*

² *EARTECH, Parma, Italy*

Efficient hearing screening in noise-exposed listeners using the Digit Triplet test

S. Jansen¹, H. Luts¹, P. Dejonckere^{1,2}, A. van Wieringen¹, J. Wouters¹

¹ *KU Leuven, Dept. of Neurosciences, ExpORL, Leuven, Belgium*

² *Federal Institute of Occupational Diseases, Brussels, Belgium*

Differentiated Screening with the Adaptive Auditory Speech Test (AAST) using different masking conditions.

F. Coninx

Institut für Audiopädagogik, Solingen/Germany (at the University of Cologne)

DuoTone - a new procedure for Pure Tone Audiometry

F. Coninx

Institut für Audiopädagogik, Solingen/Germany (at the University of Cologne)

Diagnostic pure tone evaluation after hearing screening in school children

Piotrowska A¹, Lorens A¹, Piłka A¹, Kochanek K¹, Śliwa L¹, Jędrzejczak WW¹, Skarżyński PH², Skarżyński H¹

¹ *Institute for Physiology and Pathology of Hearing, Warsaw, Poland*

² *World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw, Poland*

15 years of general AABR-screening for newborns in Flanders reveals new socio-demographic determinants of hearing impairment in term babies

Erwin Van Kerschaver MD, PhD

Kind en Gezin, Brussels Belgium

Prevalence of sensorineural hearing loss of postnatal onset in children aged 10 years

Kurt Stephan, Viktor Weichbold

Department for Hearing, Speech and Voice Disorders, Innsbruck Medical University

Auditory Neuropathy Spectrum Disorders in Schools for the Deaf and the Hard of Hearing in Belgium

Willems M.

University College of Arteveldehogeschool, Audiology Department, Ghent, Belgium

15.30-16.00 Coffee break

16.00-17.30

Free Papers
Hearing Screening

Ear and Hearing Screening Program for Athletes with Intellectual Disability during Special Olympics

Willems M.^{1,2}, van Berlaer G.^{3,4}

¹*University College of Arteveldehogeschool, Lecturer in Audiology, Audiology Department, Ghent, Belgium*

²*Global Clinical Advisor, Healthy Hearing Program, Special Olympics International*

³*University Hospital of Brussels, Pediatrician/Emergency Physician, Brussels, Belgium*

⁴*Medical Advisor, Healthy Hearing Program, Special Olympics Belgium*

Hearing impairment after passing neonatal screening - OAE markers and the need for preschool screening

Inger Uhlén, Azam Soleimani- Kondori, Sara Mikelöv & Linda Persson

Dpt of Audiology and Neurootology, Karolinska University Hospital

Evaluation of universal newborn hearing screening program (UNHS) in Malaysia: Operation and technology management approach

Hamzah Sulaiman

Measurability and reliability of evoked otoacoustic emissions in background noise

H. Keppler¹, D. Botteldooren², B. Vinck^{1,3}, A. Bockstael²

¹*Ghent University, Department of Oto-Rhino-Laryngology and Logopaedic-Audiologic sciences, Ghent, Belgium*

²*Ghent University, Department of Information Technology, Acoustics Research Group, Ghent*

³*University of Pretoria, Department of Communication Pathology, Pretoria, South Africa*

Chirp-evoked otoacoustic emissions in adults and children

W. W. Jedrzejczak, K. Kochanek, L. Sliwa, A. Piotrowska, E. Pilka, H. Skarzynski

World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw/Kajetany, Poland

0.5 kHz tone burst-evoked otoacoustic emissions in schoolchildren

W. W. Jedrzejczak, A. Piotrowska, K. Kochanek, L. Sliwa, H. Skarzynski

World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw/Kajetany, Poland

Tracking-Software for Newborn Hearing Screening and Preschool Screening – Bi-directional Data Exchange with Mobile Instruments

Böttcher Peter¹, Matulat Peter², Lepper Ingo³

¹*PATH medical GmbH, Germany*

²*Department for Phoniatics and Pedaudiology University Hospital Münster*

³*Institute for Real-Time Computer Systems, TU Munich*

Wireless and out of the box bi-directional data transfer for newborn hearing screening devices

Peter Matulat¹, Hans Oswald², Ingo Lepper², Peter Böttcher², Antoinette am Zehnhoff-Dinnesen¹

¹*Department for Phoniatics and Pedaudiology, University Hospital of Münster, Germany*

²*PATH medical GmbH, München and Münster, Germany*

Fourth Hall

09.00-10.30 Free Papers

Basic Audiology

Direct activation of the inner ear by fluid pressures at low sound intensities

C. Adelman^{1,2}, R. Perez³, S. Chordekar⁴, H. Sohmer⁵

¹Speech & Hearing Center, Hebrew University School of Medicine - Hadassah Medical Center, Jerusalem, Israel

²Department of Communication Disorders, Hadassah Academic College, Jerusalem, Israel

³Department of Otolaryngology and Head and Neck Surgery, Shaare Zedek Medical Center, Jerusalem, Israel;

⁴Department of Communication Disorders, Sackler Faculty of Medicine, Tel Aviv University, Israel

⁵Department of Medical Neurobiology (Physiology), Institute for Medical Research - Israel-Canada, Hebrew University-Hadassah Medical School, Jerusalem, Israel

Hearing in a sound field when air conduction is ruled out: By bone conduction or by soft tissue conduction

S. Chordekar¹, Y. Schwarz², C. Adelman^{3,4}, L. Kishon-Rabin¹, H. Sohmer⁵

¹Department of Communication Disorders, Sackler Faculty of Medicine, Tel Aviv University, Israel

²Department of Otolaryngology and Head and Neck Surgery, Shaare Zedek Medical Center, Jerusalem, Israel

³Speech & Hearing Center, Hadassah Medical Center, Jerusalem, Israel

⁴Department of Communication Disorders, Hadassah Academic College, Jerusalem, Israel

⁵Dept. of Medical Neurobiology (Physiology), Institute for Medical Research - Israel-Canada, Hebrew University-Hadassah Medical School, Jerusalem, Israel

Bone conduction experiments in human temporal bones using intracochlear pressure sensors

Christof Stieger^{1,2}, John J. Rosowski², Hideko H. Nakajima²

¹Department of ORL, University of Basel, Basel, Switzerland

²Department of Otolaryngology, Harvard Medical School and Eaton-Peabody Laboratory, Massachusetts Eye and Ear Infirmary, Boston MA, USA

Linear and nonlinear click evoked otoacoustic emissions and removal of a short-latency stimulus artifact

W. W. Jedrzejczak¹, A. Bell², S. Hatzopoulos³, P. H. Skarzynski^{1,4,5}, K. Kochanek¹, H. Skarzynski¹

¹World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw/Kajetany, Poland

²John Curtin School of Medical Research, ANU, Canberra, Australia

³Department of Audiology, University of Ferrara, Ferrara, Italy

⁴Otolaryngology and Rehabilitation Clinic, Medical University of Warsaw, Poland

⁵Institute of Sensory Organs, Kajetany, Poland

Non-Traumatic Daily Listening Activities on Cochlear Responses in Humans

A. Moulin¹, C. Richard², JB Nottet³

¹Centre de recherches en Neurosciences de Lyon ; Equipe dynamique cérébrale et cognition ; Université de Lyon ; Université de Saint Etienne ; 50, Av. T. Garnier, 69366 LYON cedex 07.,

²Service d'ORL et chirurgie cervico-faciale, Hôpital Nord, CHU de Saint-Etienne, 42055 St Etienne cedex 02.

³Hôpital d'instruction des Armées du Val de Grâce, Paris

Speech Recognition in Fluctuating and Continuous Maskers and Auditory Efferent Feedback

A. Moulin¹, G. Andéol²

¹*Lyon Neurosciences Research Center ; Cerebral Dynamics and Cognition Team; Otolaryngology and Auditory Cognition Group; Lyon University ; 50, Av. T. Garnier, 69366 LYON cedex 07, France*

²*IRBA. Institut de Recherche Biomédicale des Armées. Paris, France*

Can the acceptable noise level (ANL) predict hearing aid use patterns?

Steen Østergaard Olsen¹, K. Jonas Brännström²

¹*Research Laboratory, Department of Otorhinolaryngology, Head and Neck Surgery, Copenhagen University Hospital, Rigshospitalet, Denmark,*

²*Department of Logopedics, Phoniatrics and Audiology, Clinical Sciences, Lund University, Lund, Sweden*

Automatic Eye Gesture Detection and Classification during Hearing Assessment for Patients with Cognitive Decline

A. Fernández¹, Vázquez C², Gigirey L.M², M. Ortega¹, M. G. Penedo¹

¹*VARPA Group, Department of Computer Science. University of A Coruña. Spain*

²*Audiology Unit – Faculty of Optics and Optometry. University of Santiago de Compostela, Spain*

10.30-11.00 Coffee break

11.00-12.30 Free Papers

**Elect Cochlear implantation
Auditory Diagnosis
Imaging in Audiology**

Acoustic Change Complex in Cochlear Implant Users

Meral Didem Türkyılmaz¹, Süha Yağcıoğlu², Mehmet Yaralı¹, Betül Çiçek Çınar¹, Suna Yılmaz³, Gonca Sennaroglu¹

¹*University of Hacettepe Medical Faculty, E.N.T Audiology Department*

²*University of Hacettepe Medical Faculty Biophysics Department*

³*University of Ankara Health Science Faculty, Audiology Department*

Auditory steady-state responses as a measure of cochlear implant channel performance

Lieselot Van Deun, Michael Hofmann, Robert Luke, Astrid van Wieringen, Jan Wouters
KU Leuven, Dept. Neurosciences, ExpORL, Leuven, Belgium

The importance of Brainstem Auditory Responses in the diagnosis of vestibular schwannoma

J. Dršata, D. Kalfeřt, M. Černý

Department of Otorhinolaryngology and Head and Neck Surgery University Hospital Hradec Kralove, Charles University in Prague, Faculty of Medicine in Hradec Kralove

Auditory Steady State Responses (ASSR) - Case study using new portable device (PATH Medical GmbH)

Russell Higgs¹, Thomas Rosner²

¹*PATH medical GmbH, Germany*

²*Institute for Real-Time Computersystems, Technische Universität München, Germany*

Diagnostic pure-tone audiometry in schools: mobile testing without a sound-treated environment

D Swanepoel^{1,2,3}, F Maclennan-Smith¹, JW Hall III¹

¹*Department of Communication Pathology, University of Pretoria, South Africa*

²*Ear Sciences Centre, School of Surgery, the University of Western Australia, Nedlands, Australia*

³*Ear Science Institute Australia, Subiaco, Australia*

On the issue of early detection of sensorineural component of hearing loss in patients with otosclerosis

Jamol I. Kholmatov, M.S. Muhamedova
Tajik state medical university, Privat clinic "Shifo"

12.30-14.00 Lunch

14.00-15.30 Free papers
Cochlear implantation⁴
Psychoacoustics

Initial experiences with innovative CI fitting technology

G. A. Tavartkiladze, V. V. Bakhshinyan
National Research Centre for Audiology and Hearing Rehabilitation Moscow, Russia

Role and implications of efficient intra-operative Auditory diagnostics

G. A. Tavartkiladze, V. V. Bakhshinyan
National Research Centre for Audiology and Hearing Rehabilitation Moscow, Russia

Clinical use of CR120 and Nucleus Fitting software

Saji Maruthurkkara¹, Panos Stavropoulos²
¹*Cochlear Ltd, Sydney Australia*
²*Cochlear Europe Ltd, UK*

The association between MEDEL Auditory Nerve Response Telemetry thresholds and behavioral programming levels in children

R. Kaplan Neeman^{1,3}, C. Muchnik^{1,3}, Z. Yakir¹, F. Bloch¹, L. Lipshutz¹, Y. Shapira²,
L. Migirov², M. Hildesheimer^{1,3}, Y. Henkin^{1,3}
¹*Hearing, Speech & Language Center and*
²*Department of Otolaryngology, Head and Neck Surgery, Sheba Medical Center, Tel Hashomer*
³*Department of Communication Disorders, Sackler Faculty of Medicine, Tel-Aviv University, Israel*

Acoustically evoked stapedius reflex in users of MED-EL cochlear implants

S.M. Petrov, M.I. Gritsyuk
Saint-Petersburg ENT Research Institute, Russia

Lateralization based on temporal cues in bilateral cochlear implant users

Asher H. Efrati, Joseph Attias
University of Haifa, Faculty of Social Welfare and Health Sciences Department of Communication Sciences and Disorders

Tullio phenomenon in candidates for cochlear implant

C. Adelman^{1,2}, M. Adler¹, M. Kaufmann³
¹*Speech & Hearing Center, Hebrew University School of Medicine - Hadassah Medical Center, Jerusalem, Israel*
²*Department of Communication Disorders, Hadassah Academic College, Jerusalem, Israel*
³*Department of Otorhinolaryngology / Head & Neck Surgery, Hebrew University School of Medicine - Hadassah Medical Center, Jerusalem, Israel*

Outcomes in post-meningitis ci patients following minimal invasive trans canal technique

Arsovic N., Mikic B., Bukurov B., Dudvarski Z.
Institute for ENT and MFS, Clinical Centar of Serbia

15.30-16.00 Coffee break

16.00-17.30

Free papers

**Auditory Processing
Modeling The Impaired Ear
Telemedicine**

Binaural processing of speech reflections in rooms in hearing-impaired listeners

A. Warzybok¹, T. Brand¹, B. Kollmeier¹

¹*Department of Medical Physics and Acoustics, University of Oldenburg*

Screening Checklist for Auditory Processing in Adults: An Initial Report

Ramya, V¹, Yathiraj, A¹

¹*All India Institute of Speech and Hearing, Mysore, Karnataka, India*

Analysis of oxidative stress influence upon hearing in rats with diabetes mellitus

Maksym Tarasenko

Bogomolets National Medical University, Kiev, Ukraine

Correlation between audiological and pathomorphological data of cochlea in rats with initiated diabetes mellitus

Deyeva Y.V.

Bogomolets National Medical University, Kiev, Ukraine

Paediatric otitis media at a primary health care clinic in South Africa

L. Biagio¹, D. Swanepoel^{1,3}, C. Laurent^{1,4}, J. W. Hall III¹, T. Lundberg⁴

¹*Department of Communication Pathology, University of Pretoria, South Africa*

²*Ear Sciences Centre, School of Surgery, the University of Western Australia, Nedlands, Australia*

³*Ear Science Institute Australia, Subiaco, Australia*

⁴*Umeå University, Sweden*

Nationwide network of teleaudiology in postoperative care over implanted patients

Skarzynski P.H.^{1,2,3,4}, Wasowski A.^{1,4}, Bruski L.³, Pankowska A.^{1,4}, Majchrzak A.^{1,4}, Skarzynski H.^{1,4}

¹*Institute of Physiology and Pathology of Hearing, Warsaw, Poland*

²*Otolaryngology and Rehabilitation Clinic, Medical University of Warsaw, Poland*

³*Institute of Sensory Organs, Kajetany, Poland, 4 World Hearing Center, Kajetany, Poland*

Video-otoscopic recordings in children within a South African telehealth service

L. Biagio¹, D. Swanepoel^{1,3}, C. Laurent^{1,4}, T. Lundberg⁴, J. W. Hall III¹

¹*Department of Communication Pathology, University of Pretoria, South Africa*

²*Ear Sciences Centre, School of Surgery, the University of Western Australia, Nedlands, Australia*

³*Ear Science Institute Australia, Subiaco, Australia, 4. Umeå University, Sweden*

Validation of TeleAudiology Equipment

J.L. Clark^{1,2}, A.M. Cardella¹

¹*University of Texas at Dallas*

²*University of The Witwatersrand*

Friday, June 21.

First Hall

08.00-09.00 Keynote 2
Time, Speech and Brain
Martin Meyer
University of Zürich

09.00-10.30 Structured Session 4
Speech tests independent from language
Organized by: Birger Kollmeier, Jan Wouters

Speech tests for international multilingual use: the Digit Triplet and Matrix Test in different languages (15 min)

Birger Kollmeier, Melanie Zokoll, Ania Warzybok, Sabine Hochmuth, Kirsten Wagener, Thomas Brand
Centre of Excellence for Hearing Research and Medical Physics, Universität Oldenburg, and Hörtech gGmbH, D- 26129 Oldenburg, Germany

French and Dutch speech intelligibility tests: A comparative approach (15 min)

Heleen Luts¹, S. Jansen¹, R. Houben², W.A. Dreschler², A. van Wieringen¹, J. Wouters¹
¹*KU Leuven, Dept. Neurosciences, ExpORL, Leuven, Belgium,*
²*Academic Medical Center, Clinical and Experimental Audiology, Amsterdam, The Netherlands*

RUMatrix test: Construction, Evaluation and clinical validation (15 min)

Maria Boboshko¹, A. Warzybok², M. A. Zokoll², N. Maltseva¹
¹*St. Petersburg Pavlov State Medical University, Russia,*
²*Carl von Ossietzky University Oldenburg, Germany*

A Norwegian Matrix test: Five word sentences and three word utterances (15 min)

Jon Øygarden
Department of Audiology, Health Education and Social Work, University College of Sør-Trøndelag, Trondheim, Norway

Emerging solutions from different countries and languages (30 min)

Development of Turkish Matrix Test

Dilek Fidan¹, İclal Ergenç²
¹*Kocaeli University, Faculty of Education Department of Turkish Language Teaching, Kocaeli, Turkey*
²*Ankara University, Faculty of Letters Department of Linguistics, Ankara, Turkey*

An Arabian Matrix test

NadjaAbdulhaq

A Persian matrix sentence test

Leila Fayazi¹, Yahya Modarresi², Melanie A. Zokoll³, Sabine Hochmuth³, Birger Kollmeier³
¹*Office of special education, Baqchebanschool, Tehran, Iran,*
²*Department of linguistics, Institute for humanities and cultural studies, Teheran, Iran,*
³*University of Oldenburg, Department of medical Physics and Acoustics, Germany*

Matrix Sentence Tests in Noise for the Italian language

S. Hochmuth, M. A. Zokoll, R. Carroll, B. Kollmeier
University of Oldenburg, Department of medical Physics and Acoustics

Polish Matrix Sentence Test for speech intelligibility measurements in young people and children

E. Ozimek, D. Kutzner, P. Libiszewski, A. Warzybok

Faculty of Physics, Institute of Acoustics, Adam Mickiewicz University, Umultowska 85, Poznań 61-614, Poland

Estonian speech tests and comparison to other languages

A. Veispak¹, S. Jansen², P. Ghesquière¹, J. Wouters²

¹ *KU Leuven, Parenting and Special Education Research Unit, Leuven, Belgium,*

² *KU Leuven, Dept. of Neurosciences, ExpORL, Leuven, Belgium*

10.30-11.00 Coffee Break

11.00-12.30 EFAS Special Session 2

European School Children Hearing Screening

Organized by: Jan Wouters, Henryk Skarzynski

Introduction (5 min)

Hearing Screening in School Age Children in Poland – past, present and future (10 min)

Henryk Skarżyński, Anna Piotrowska, Krzysztof Kochanek, Piotr H. Skarżyński
Kajetany

Report of EFAS Working Group on pre-school and school age hearing screening (SHS)

(10 min)

J. Wouters¹, F. Coninx², A. Davis³, W. Dreschler⁴, F. Grandori⁵, E. Laukli⁶, T. Sirimanna⁷, H. Skarzynski⁸

¹ *KU Leuven, Dept. of Neurosciences, ExpORL, Leuven, Belgium*

² *Institut für Audiopädagogik, Solingen, Germany*

³ *MRC Hearing and Communication Group, London, UK*

⁴ *Academic Medical Center, Clinical and Experimental Audiology, Amsterdam, The Netherlands*

⁵ *Institute of Biomedical Engineering CNR, Milano, Italy*

⁶ *Dept. of Clinical Medicine, University of Tromsø, Norway*

⁷ *Great Ormond Street Hospital, London, UK*

⁸ *Institute of Physiology and Pathology of Hearing, Warsaw, Poland*

School hearing screening in the UK (20 min)

Heather Fortnum^{1,2}, A. Allardice³, C. Benton⁴, S. Catterick^{1,2}, L. Cocking⁵, C. Hyde⁶, J. Moody^{7,8}, V. Nikolaou⁶, M. Ozolins^{1,2}, R. S. Taylor⁶, O. Ukoumunne⁶, J. Watson⁹

¹ *National Institute for Health Research Nottingham Hearing Biomedical Research Unit, UK,*

² *University of Nottingham, UK,*

³ *Nottinghamshire Healthcare – County Health Partnerships, Nottinghamshire Healthcare NHS Trust, Nottingham, UK,*

⁴ *Nottingham University Hospitals NHS Trust, Nottingham, UK,*

⁵ *Peninsula Clinical Trials Unit (PenCTU), University of Plymouth, UK,*

⁶ *Exeter Medical School, University of Exeter, UK,*

⁷ *Cambridge University Hospitals NHS Foundation Trust, Cambridge, UK,*

⁸ *Cambridgeshire Community Services NHS Trust, Cambridge, UK,*

⁹ *Parent member of the research team*

Automated procedures for hearing screening from age 4 year (15 min)

Frans Coninx

Institut für Audiopädagogik, Solingen/Germany (at the University of Cologne)

Feasibility of the Digit Triplet test for hearing screening in school-aged children (15 min)

Sofie Jansen¹, H. Luts¹, K. Van Hoeck², C. Guérin^{2,3}, K. Van Doorslaer², K. Hoppenbrouwers³, A. van Wieringen¹, J. Wouters¹

¹ *KU Leuven, Dept. of Neurosciences, ExpORL, Leuven, Belgium*

² *VWVJ - Flemish Scientific Association of Youth Health Care, Leuven, Belgium*

³ *KU Leuven, Dept. Public Health and Primary Care, Youth Health Care, Leuven, Belgium*

Music exposure through mp3-players and the risk of music-induced hearing loss at age 12 and beyond (15 min)

M. Adluni-Sheikh Rashid¹, J. de Laat², W. Dreschler¹

¹ *Academic Medical Center, Clinical & Experimental Audiology, Amsterdam, The Netherlands*

² *Leiden University Medical Center, Dept. of Audiology (ENT), Leiden, The Netherlands*

- 12.30-14.00 Cochlear Symposium / Lunch
- 14.00-15.30 50th National Conference of the Audiology Sections of the Hungarian Society of Oto-Rhino-Laryngology, Head and Neck Surgery
- 15.30-16.00 Coffee Break
- 16.00-18.00 50th National Conference of the Audiology Sections of the Hungarian Society of Oto-Rhino-Laryngology, Head and Neck Surgery
- 20.00 Banquet dinner (optional program)

Second Hall

- 09.00-10.30 Free papers
**Combined Acoustic And Electric Hearing
Partial Deafness Treatment**

The influence of different types of acoustic amplification on hearing performance in subjects with electric-acoustic stimulation

Anke Lesinski-Schiedat¹, Thomas Lenarz¹, Nicole Neben², Theo Harpel¹, Mark Schuessler¹, Andreas Buechner¹

¹ *Department of Otorhinolaryngology, Medical University of Hannover (MHH),*

² *Cochlear*

Comparative cohort analysis of long term stability of residual hearing in CI-candidates using two hearing preservation electrodes

Anke Lesinski-Schiedat¹, Thomas Lenarz¹, Nicole Neben², Theo Harpel¹, Mark Schuessler¹, Andreas Buechner¹

¹ *Department of Otorhinolaryngology, Medical University of Hannover (MHH),*

² *Cochlear*

Binaural interaction of electrically and acoustically evoked auditory brainstem responses in three bimodal listeners

Lindsey Van Yper, Eddy De Vel, Katrien Vermeire, Ingeborg Dhooge

Dept. of Otorhinolaryngology and Head and Neck Surgery, Ghent University Hospital, University of Ghent, Belgium

15 year experience with hearing preservation and over decade achievements with Partial Deafness Treatment (PDT)

Skarzynski H.^{1,4}, Lorens A.^{1,4}, Piotrowska A.^{1,4}, Skarzynski P.H.^{1,2,3,4}, Matusiak M.^{1,4}

¹ *Institute of Physiology and Pathology of Hearing, Warsaw, Poland,*

² *Otolaryngology and Rehabilitation Clinic, Medical University of Warsaw, Poland,*

³ *Institute of Sensory Organs, Kajetany, Poland,*

⁴ *World Hearing Center, Kajetany, Poland*

Electric Acoustic Stimulation: Long-term results of hearing preservation up to 10 years.

G. Mertens, A. Kleine Punte, P. Van de Heyning

Univ. Dept. Otorhinolaryngology and Head and Neck Surgery, University Hospital Antwerp,

University of Antwerp, Antwerp, Belgium

Application of Nucleus SRA electrode (CI422) in subjects with various levels of residual low-frequency hearing

H. Skarzynski¹, A. Lorens¹, M. Matusiak¹, M. Porowski¹, PH. Skarzynski², CJ. James³

¹ *Institute for Physiology and Pathology of Hearing, Warsaw, Poland,*

² *World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw, Poland,*

³ *Cochlear France, Toulouse, France*

The hearing preservation characteristics of Nucleus cochlear implant electrode arrays

C.J. James¹, E. von Wallenberg²

¹ *Cochlear France SAS, Toulouse,*

² *Cochlear AG, Basel*

Towards standardization of reporting on hearing preservation outcomes after cochlear implantation

Paul J Boyd¹, Chris J James², Ernst von Wallenberg²

¹ *Manchester Ear, Nose & Throat Clinic, UK,*

² *Cochlear Ltd*

10.30-11.00 Coffee break

11.00-12.30 Free papers

Cochlear implantation2

Evaluation of Nucleus 6 in a group of existing adult recipients

Esti Nel, Michelle Knight, Chris Warren, Marian Jones

Cochlear Limited

Speech Performance in Noise with the Nucleus® 6 Sound Processor and Dynamic FM Systems

Catherine Morgan, Vijay Marimuthu

Cochlear Limited

An industry first: Wind noise reduction for Nucleus® 6 cochlear implant recipients

Esti Nel¹, Sasha Case¹, Chris Warren¹, Marian Jones¹, Lori White²

¹ *Cochlear Limited Sydney*

² *Cochlear Corporation Denver*

Early Australian Experience with Nucleus® 6 in Adult Recipients

Esti Nel, Marian Jones, Michelle Knight, Chris Warren

Cochlear Limited

Evaluation of Nucleus® 6 in adult users of the Nucleus 5 cochlear implant system

F. Swinnen¹, B. Philips¹, G. De Ceulaer², P. Govaerts², D. Pascoal², K. Weekers², M. Killian³, I. Dhooge¹

¹ *Ghent University Hospital, Belgium,*

² *The Eargroup, Deurne, Belgium,*

³ *Cochlear, Mechelen, Belgium*

First Look: Data Logging with Cochlear Nucleus 6

Rami Banna, Esti Nel, Mario Boutet, Marian Jones

Preliminary Experience and Acceptance of the Nucleus® 6 Sound Processor with School-aged Children

Andrzej Zarowski¹, Leen Theuwis¹, Anke Plasmans², Erwin Offeciers¹

¹ *European Institute for ORL-HNS, AZ Sint Augustinus, Antwerp, Belgium*

² *Cochlear Limited*

Clinical considerations and fitting guidelines for Nucleus 6 Hybrid mode

M. Jones¹, Ruth English, Jennie Gorrie

*Cochlear Limited*¹

12.30-14.00 Lunch

14.00-15.30 Free papers

Cochlear implantation3

The benefit of an adaptive beamformer in Cochlear Implant systems

Martina Brendel¹, Gunnar Geissler², Iris Arweiler¹, Phillipp Hehrmann¹, Karl-Heinz Dyballa², Stefan Fredelake¹, Volkmar Hamacher¹, Andreas Buechner²

¹ *Advanced Bionics GmbH, European Research Center, Hanover, Germany,*

² *Medical University of Hanover, Department of Otolaryngology, Hanover, Germany*

The TComm for the Neptune Processor –Results on Speech Intelligibility and Sound Quality

Martina Brendel¹, Gunnar Geissler², Andreas Buechner², Thomas Lenarz²

¹ *Advanced Bionics GmbH, European Research Center, Hanover, Germany,*

² *Medical University of Hanover, Department of Otolaryngology, Hanover, Germany*

Neptune™, the first swimmable sound processor for cochlear implant recipients: feedback on its daily use

D. Ballantyne¹, J. J. Briaire², A. Buechner³, G. Auletta⁴, H. Arroyo⁵, C. Zoilo⁶, J. Brinton⁷, R. Buhagiar⁷, B. Esser-Leyding⁸, W. K. Low⁹, M. Tong¹⁰, H.C. Yu¹¹, N. Mathias¹²

¹ *Centro Impianti Cocleari, Rome, Italy,*

² *Leiden University Medical Centre, Leiden, The Netherlands,*

³ *Medizinische Hochschule Hannover, Hannover, Germany,*

⁴ *University of Naples “Frederico II”, Naples, Italy,*

⁵ *Hospital Niño Jesús, Madrid, Spain,*

⁶ *Hospital Son Espases, Palma de Mallorca, Spain,*

⁷ *South of England Cochlear Implant Centre, Southampton, United-Kingdom,*

⁸ *Cochlear Implant Centrum “Wilhelm Hirte”, Hannover, Germany,*

⁹ *Singapore General Hospital, Singapore,*

¹⁰ *Chinese University of Hong Kong, Hong Kong,*

¹¹ *Queen Elizabeth Hospital, Hong Kong,*

¹² *Advanced Bionics, Rixheim, France*

Cochlear Implant speech processor fitting the day after re-implantation

Joachim Müller-Deile, Thomas Kortmann, Goetz Brademann, Matthias Hey

ENT-Clinic, Christian-Albrechts-University of Kiel

Evolution of electrically evoked stapedius reflex thresholds in patients with CI

Josef Seebacher, Viktor Koci, Kurt Stephan

Department for Hearing-, Speech- and Voice Disorders, Medical University of Innsbruck, Anichstraße 35, A-6020 Innsbruck

Speech processor programming in case of non-auditory effects

F Tóth, AL Nagy, J Jarabin, A Szamosközi, J Jóri, L Rovó, JG Kiss

University of Szeged, Department of Otolaryngology and Head and Neck Surgery, Szeged, Hungary

Time for paradigm Change in Clinical Care

Dr. Dr. h.c. Monika Lehnhardt

Prof. Ernst Lehnhardt-Stiftung

Development and Validation of a Sound Quality Questionnaire for Hearing Implant Users: The Hearing Implant Sound Quality Index (HISQUI)

Ilona Anderson¹, Edda Amann¹

¹*MED-EL Elektromedizinische Geräte GmbH, Innsbruck*

15.30-16.00 Coffee break

16.00- EFAS GA meeting

Third Hall

09.00-10.30 Free Papers

Auditory Electrophysiology

An analysis of concordance in the diagnosis of hearing loss BETWEEN three different audiological clinics

Barajas de Prat, JJ¹, Zenker, F², Estrada Alonso, MM¹

¹*Fundación Canaria Dr. Barajas para la Prevención e Investigación de la Sordera, Santa Cruz de Tenerife, Canary Islands, Spain*

²*Clinica Barajas, Santa Cruz de Tenerife, Canary Islands, Spain*

Assessment of effectiveness of algorithms applied in Vivosonic integrity device for rejection of muscle Artefacts in abr recordings

Skarzynski P.H.^{1,2,3,4}, Pilka A.^{1,4}, Sliwa L.^{1,4}, Kochanek K.^{1,4}, Skarzynski H.^{1,4}

¹*Institute of Physiology and Pathology of Hearing, Warsaw, Poland*

²*Otolaryngology and Rehabilitation Clinic, Medical University of Warsaw, Poland*

³*Institute of Sensory Organs, Kajetany, Poland*

⁴*World Hearing Center, Kajetany, Poland*

Indicators of electroencephalography and brainstem auditory evoked potentials in the beginning sensorineural hearing loss

A.Yu.Shidlovsky

Department of Otolaryngology National Medical University, Kiev, Ukraine

Electrophysiological resting state activity in comorbid dyslexia and Central Auditory Processing Disorders

M. Lewandowska, R. Milner, M. Ganc, E. Włodarczyk, K. Cieśla, H. Skarżyński

World Hearing Center, Institute of Physiology and Pathology of Hearing, Kajetany/Warsaw, Poland

The Investigation of CAEP responses in young adults having musical education

Zahra Polat, Ahmet Ataş, Hüseyin Deniz, Serpil Hülya Ahmet

Faculty of Health Sciences, Istanbul University

Test-retest study of optimal multi-feature Mismatch Negativity paradigm in children.

Suna Yilmaz¹, Meral Didem Turkyilmaz², Suha Yagcioglu³, Guzide Uluskar², Betül Cicek Cinar², Gonca Sennaroglu²

¹*Ankara University, Health Sciences Faculty, Audiology Department*

²*Hacettepe University, Medical Faculty, E.N.T Audiology Department*

³*Hacettepe University, Medical Faculty, Biophysics Department*

Combining Auditory Steady State Response and the Otoacoustic Emissions in objective screening and prediction of hearing thresholds in Noise-induced hearing loss

Hanin Karawani¹, Joseph Attias², Rafi Shemesh¹

¹*The Department of Communication Sciences and Disorders, Faculty of Social Welfare and Health Sciences, University of Haifa, Haifa, Israel,*

²*Head of the Department of Communication Sciences and Disorders, Faculty of Social Welfare and Health Sciences, University of Haifa, Haifa, Israel*

Impact of sound and noise exposures on distortion-product otoacoustic emission (DPOAE)

Á Perényi, F Tóth, LA Nagy, L Rovó, JG Kiss

University of Szeged, Dept. of Otorhinolaryngology, Head and Neck Surgery Szeged, Hungary

10.30-11.00 Coffee Break

11.00-12.30 Workshops of the 50th National Conference of the Audiology Sections of the Hungarian Society of Oto-Rhino-Laryngology, Head and Neck Surgery

12.30-14.00 Lunch

14.00-15.30 Free Papers

Tinnitus And Hyperacusis

How promising is the diagnosis of somatosensory tinnitus?

Branka B. Geczy

Audiologic Department of the University Clinic of Otorhinolaryngology and cervicofacial surgery Ljubljana, Slovenia

Noise induced tinnitus without permanent noise induced hearing loss; does it exist?

Carolyn Ainsworth, Robin Yeoh

Department of Audiovestibular Medicine, St Helier Hospital, London, England

Electrocochleographic Study in Patients with Tinnitus

Hiroaki Nishida

Nishida ENT Clinic, Yokohama, Japan

Sound stimulation during sleep for the treatment of subjective idiopathic tinnitus

J. de Laat

Leiden University Medical Center, Dept. of Audiology (ENT), Leiden, The Netherlands

Tinnitus severity and its psychological aspects

Songul Aksoy, Sule Harman

Hacettepe University, Faculty of Health Sciences, Department of Audiology

Spatial hearing improvement and long-term suppressive effect on tinnitus after cochlear implantation in profoundly single-sided-deaf patients

G. Mertens, A. Kleine Punte, P. Van de Heyning

Univ. Dept. Otorhinolaryngology and Head and Neck Surgery, University Hospital Antwerp, University of Antwerp, Antwerp, Belgium

15.30-16.00 Coffee Break

Vocational rehabilitation programs for employees with hearing impairment: a systematic overview of the literature and a description of the ‘Vocational Enablement Protocol’ (VEP) study design

Arjenne H.M. Gussenhoven^{1,2}, S Theo Goverts¹, Joost M Festen¹, Johannes R Anema^{2,3}, Sophia E. Kramer¹

¹ Department ENT/Audiology and EMGO Institute for Health and Care Research, VU University Medical Center, Amsterdam, The Netherlands

² Department of Public and Occupational Health and EMGO Institute for Health and Care Research, VU University Medical Center, Amsterdam, The Netherlands,

³ Research Center for Insurance Medicine AMC-UWV-VUmc, Amsterdam, The Netherlands

Validation of the Dutch version of the Hearing Implant Sound Quality Index (HISQUINL)

G. Mertens, M. De Bodt & P. Van de Heyning

Univ. Dept. Otorhinolaryngology, Head and Neck Surgery, Antwerp University Hospital, Belgium Faculty of Medicine, University of Antwerp, Belgium

Auditory neuropathy: A case of the late hearing recovery

Taryn Walker, Borka Ceranic

Department of Audiovestibular Medicine St George’s Hospital, Blackshaw Road, London SW17 0QT

The Effect of Round Window versus Cochleostomy Technique on Neural Response Telemetry Results in Cochlear Implantation

Günay Kırkım¹, Bülent Şerbetçioğlu¹, Serpil Mungan Durankaya¹, Enis Alpin Güneri²

¹ Dokuz Eylül University Faculty of Medicine, Department of Otorhinolaryngology Hearing-Speech and Balance Unit İzmir-Türkiye

² Dokuz Eylül University, Faculty of Medicine, Department of Otorhinolaryngology İzmir-Türkiye

Student’s beginner approach to audiologist-patient consultation

Peter E. Czigler¹, Kirk P.H. Sullivan²

¹ Örebro University, Sweden, Department of Health and Medical Sciences

² Umeå University, Sweden, Department of Language Studies

Bachelor and Master of Science in Logopaedic and Audiological Sciences – Main subject audiology at Ghent University (Belgium)

K. Van Lierde¹, B. Vinck^{1,2}, L. Maes¹, H. Keppler¹, S. Degeest¹, P. Corthals^{1,3}

¹ Ghent University, Department of Oto-Rhino-Laryngology and Logopaedic-Audiologic Sciences, Ghent, Belgium

² University of Pretoria, Department of Communication Pathology, Pretoria, South Africa,

³ University College Ghent, Department of Speech Therapy and Audiology, Ghent, Belgium

Vestibular evoked myogenic potentials in benign paroxysmal positional vertigo: a preliminary study

Müjdecı.B.¹, Ünal.A.²

¹. Numune Training & Research Hospital, Ear Nose Throat, Hearing Speech and Balance Centre-Ankara-Turkey

². Numune Training & Research Hospital, Ear Nose Throat Clinic-Ankara-Turkey

Fat graft myringoplasty for small tympanic membrane defects as an alternative to standard tympanoplasty

Lana Kovač Bilić, Anamarija Šimunčić Veselić, Krsto Dawidowsky, Srećko Branica

Department of ENT and HNS, University Hospital Center Zagreb, Croatia

Study of amplitude-frequency characteristics of some prosthesis for ossiculoplasty

O. Khorov¹, U. Novasialetski¹, V. Yanichkin², A. Balykin²

¹ Grodno State Medical University, Belarus

² Yanka Kupala State University of Grodno

Mixed Hearing Loss Secondary to Erosion of the Inner Ear by High-Riding Jugular Bulb

A.C. Bachiller¹, C. Domingo¹, A. Muñoz², M. Martínez², M.A. Rodríguez², M. Pérez², P. Gete, O. Alvarez.¹

¹ Department of Otolaryngology, Infanta Leonor Hospital, Madrid

² Department of Radiology, Infanta Leonor Hospital, Madrid

Assessment of the feasibility and clinical value of further research to evaluate the management options for children with Down syndrome and glue ear.

H. Fortnum^{1,2}, P. Leighton², M. D. Smith², L. Brown^{1,2}, M. Jones², C. Benton³, E. Marder³, A. Marshall³, K. Sutton⁴

¹ National Institute for Health Research Nottingham Hearing Biomedical Research Unit, Nottingham, UK

² University of Nottingham, UK

³ Nottingham University Hospital Trust, Nottingham, UK

⁴ Nottinghamshire Community Health, Nottingham, UK

Late onset permanent childhood hearing loss in the first five years of life

A M Dighe, V C Mainstone

Children's Hearing Services, Child Health Department, Sirona Care & Health, Bath BA1 3QE UK

Children with high-frequency cochlear dead regions do not use low-frequency information for speech perception more effectively than children without dead regions

Alicja N. Malicka¹, Kevin J. Munro², Thomas Baer³, Richard J. Baker², Brian C. J. Moore³

¹School of Health and Rehabilitation Sciences, The University of Queensland, Australia

²School of Psychological Sciences, The University of Manchester, UK

³Department of Experimental Psychology, University of Cambridge, UK

Enlarged Internal auditory canal in children: clinical and audiological findings

Santos S, Domínguez MJ, Cervera J, Suárez A, Bueno A, Bartolomé M, López R.

ENT Department Hospital Infantil Universitario Niño Jesús. Madrid. Spain

Rescue intratympanic corticosteroid therapy in sudden hearing loss treatment

Milica Tatović, Snežana Babac, Snežana Sanković Babić, Zoran Ivanković, Rade Kosanović

ORL Clinic of Clinical Hospital Centre Zvezdara, Belgrade, Serbia

Long-term results of surgical autoadipocyte cells transplantation in patients with unilateral vocal fold immobility after surgery on the thyroid gland

I. Odnokozov, O. Khorov, J. Aleshchik

Grodno State Medical University

Modulation of tinnitus perception and auditory processing via transcranial magnetic stimulation

Alicja N. Malicka¹, Wayne J. Wilson¹, Caroline Barwood¹, Bradley McPherson², Bruce Murdoch¹

¹School of Health and Rehabilitation Sciences, The University of Queensland, Australia,

²Division of Speech and Hearing Sciences, The University of Hong Kong, Hong Kong

Tinnitus severity and the relationship with measures of mental health

A. McCormack^{1,2}, H. Fortnum¹, A.M. Edmondson-Jones¹, D.R. Moore,^{2,3}

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³Cincinnati Children's Hospital Medical Center

Quality of life in patients with tinnitus and sensorineural hearing loss

Reza Zarenoe, Torbjörn Ledin

*Linköping University Faculty of Health Sciences, Dept of Clinical and Experimental Medicine,
Div of Oto-Rhino-Laryngology*

Vestibular dysfunction assessment in patients with different types of chronic suppurative otitis media

Makaryna - Kibak L.E., Kulchitsky P.N.

National Centre of Otorhinolaryngology

20.00 Banquet dinner (optional program)

Fourth Hall

09.00-10.30 Free papers

Other Topics1

The learning curve of cholesteatoma surgery: follow up of audiological results

Milan Stankovic, Dusan Milisavljevic, Petar Stankovic

University ORL Clinic Nis, Serbia

Our experience in chronic exudative otitis media treatment in adults

L. Makaryna-Kibak¹, O. Alehno¹

¹Republic Scientific and Practical Centre of Otorhinolaryngology, Minsk, Belarus

Hearing status of children and adolescents with alpha-mannosidosis

Steen Østergaard Olsen¹, Line Borgwardt², Allan Meldgaard Lund², Christine i Dali², Lars Holme Nielsen¹

¹Research Laboratory, Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital, Rigshospitalet, Copenhagen, Denmark

²Department of Clinical Genetics, Centre for Inherited Metabolic Disorders, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark

Peculiarities of middle ear diseases among population of Tajikistan

Jamol I. Kholmatov

Tajik state medical university, Privat clinic "Shifo"

Preservation ventilation of the middle ear to improve the audiological results of tympanoplasty

O. Khorov, E. Golovach

Grodno State Medical University

Arytenoid lateropexy in unilateral vocal cord palsy patients with effort dyspnoea

Vera Matievics, László Szakács, Balázs Sztanó, Alice Szamosközi, László Rovó

Oto-Rhino- Laryngology and Head- Neck Surgery Department, University of Szeged

Central hearing impairment due to trauma? -- Case history

Vera Matievics¹, János Jarabin¹, Sahram Madani², Máté Lázár³, József Géza Kiss¹, László Rovó¹

¹Oto-Rhino- Laryngology and Head- Neck Surgery Department, University of Szeged

²MEGA ltd. Szeged

³Euromedic Diagnosztics Hungary

Genetic analysis of hypertrophic cardiomyopathy patients with sensorineural hearing disorders

Miklós Csanády Jr¹, Róbert Sepp², Ferenc Tóth¹, Tímea Tóth², Andrea Orosz², Márta Hógye², József Géza Kiss¹, József Jóri¹, Tamás Forster², Jenő Czigner¹, Miklós Csanády sen²

¹ *Department of Otolaryngology, Head and Neck Surgery*

² *2nd Department of Medicine, University of Szeged, Szeged, Hungary*

10.30-11.00 Coffee break

11.00-12.30 Free papers

Education In Audiology

Other Topics2

Partial Deafness Treatment

Speech Tests Independent From Language

On the Efficacy of Audiometric Training Procedures

Arjan J. Bosman

Department of Otorhinolaryngology Radboud University Nijmegen Medical Centre, The Netherlands

Remote control App

Derya Ceylan¹

¹*Global Audiology, GN ReSound*

Cross-sectional analysis of audiology articles published in the SCI otorhinolaryngology journals by Turkey and 17 other countries in 3 different years (2000, 2010 and 2012): a bibliometric study

Taner Kemal Erdag¹, Gunay Kirkim², Bulent Serbetcioglu²

¹*Dokuz Eylul University School of Medicine, Department of Otolaryngology, Izmir / Turkey*

²*Dokuz Eylul University School of Medicine, Speech, Hearing and Balance Unit, Izmir / Turkey*

Speech perception of English as a foreign language by Mandarin Chinese speakers

Wu Mian, Lena Wong

Division of Speech and Hearing Sciences, the University of Hong Kong

Music perception in patients after Partial Deafness Treatment (PDT)

Koci V.¹, Piotrowska A.², Woellner T.¹, Lorens A.², Stephan K.¹, Skarzynski H.²

¹*Department of Hearing, Speech and Voice Disorders, Innsbruck Medical University, Austria,*

²*Institute of Physiology and Pathology of Hearing, Warsaw/Kajetany, Poland*

Insertion depth angle in relation to hearing preservation in partial deafness cochlear implantation

H. Skarżyński, M. Matusiak, M. Furmanek, M Porowski, M Mrówka, PH Skarżyński

Institute of Physiology and Pathology of Hearing, Warsaw, Poland

Assessment of hearing preservation in relation to cochlea size in substantial low frequency hearing cochlear implantation

H. Skarżyński, M. Matusiak, M. Furmanek, A Lorens, PH Skarżyński

Institute of Physiology and Pathology of Hearing, Warsaw, Poland

Influence of fundamental frequency on the ability to recognize speech in noise: Effects of low and high frequency hearing impairment

Birgitta Larsby^{1,2}

¹*Technical Audiology/IKE, Linköping University, Sweden*

²*Linnaeus Centre HEAD, Linköping University, Linköping, Sweden*

12.30-14.00 Lunch

Acceptance of hearing aids in the population of Montenegro

Maja Jovanovic, Miroljub Todorovic, Vladimir R. Pavicevic
Regional Hospital "Danilo I", Cetinje, Montenegro

Central presbycusis examined by fMRI.

Balogová Zuzana^{1,3}, Tintěra Jaroslav², Profant Oliver^{1,3}, Ibrahim Ibrahim², Jilek Milan¹, Syka Josef¹

¹ *Department of Auditory Neuroscience, Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, Prague, Czech Republic*

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³ *Dept. of Otorhinolaryngology and Head and Neck Surgery, 1st Faculty of Medicine of Charles University, University Hospital Motol, Prague, Czech Republic*

Normal hearing thresholds in an extended frequency range as a function of age

Milan Jilek¹, Daniel Suta¹, Oliver Profant^{1,2}, Zuzana Balogova^{1,2}, Josef Syka¹

¹ *Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, Prague*

² *Department of Otorhinolaryngology and Head and Neck Surgery, 1st Faculty of Medicine, Charles University in Prague and Faculty Hospital Motol, Prague*

Intelligence level of children and schoolchildren with unilateral hearing loss

¹.Artur Bartosz Niedzielski, ².Grażyna Niedzielska, ³.Antoni Niedzielski, ⁴. Tomasz Horoch

¹. *Department of humanities science Medical University Lublin*

². *Laboratory of Otoneurology of The Third Chair of Pediatrics Medical University Lublin*

³. *Department of Pediatric Otolaryngology, Audiology and Phoniatrics Medical University, Lublin*

The role of transient evoked otoacoustic emissions in detecting impulse noise-induced hearing damage and predicting vulnerability to acoustic trauma

Blioskas S., Kyriafinis G., Markou K., Psillas G., Vital V., Tsaligopoulos M.

1st Academic ENT Department, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece

Characteristic of the acoustic brain response (ABR) in patients with extravasal compression of vertebral artery

Konovalov S.

O.O.Bogomolets medical university, Kiev, Ukraine

Auditory system evaluation in multiple sclerosis patients

Slobodanka Lemajić-Komazec, Zoran Komazec, Slobodan Savović, Ljiljana Vlaški, Bojan Božić

Clinic for ear, nose and throat diseases, Medical faculty, University in Novi Sad, Serbia

Is ASSR reliable in pedaudiological diagnostics?

Z. Komazec, S. Lemajić-Komazec, B. Privrodski, I. Sokolovac

Clinic for ear, nose and throat diseases, Medical faculty, University in Novi Sad, SERBIA

An extremely rare genetic disorder - audiological diagnostic challenge

Szoby Zsolt dr., Kisely Mihály dr.

Department of Otorhinolaryngology (ENT Department), Markusovszky Hospital of the County Seat Town of Szombathely in Vas County, Hungary

Assessment of intra- and intersubjective variability of wave V amplitude in Stacked-ABR measurement

L. Śliwa¹, K. Kochanek¹, A. Piłka¹, G. Hatliński², H. Skarżyński¹

¹*World Hearing Centre, Institute of Physiology and Pathology of Hearing, Warsaw, Poland*

²*ENT Department of Dentistry Division of Warsaw Medical University, Poland*

Development of Speech Materials for Frequency Specific Assessment of Word Recognition Capability: A New Clinical Tool for Speech Audiometry

S. Gürkan¹, B. Serbetçioğlu¹, S. Mungan Durankaya¹, G. Dalkılıç², G. Kırkım¹, A.Ö. İkiz¹
¹-Dokuz Eylul University, Faculty of Medicine, Department of Otorhinolaryngology and Head & Neck Surgery
²-Dokuz Eylul University Faculty of Computer Engineering

Audiological test results of children with down syndrome

Bülent Serbetçioğlu, Başak Mutlu, Günay Kırkım, Serpil Mungan Durankaya, Selhan
Dokuz Eylul University Faculty of Medicine, Department of Otorhinolaryngology Hearing-Speech and Balance Unit İzmir-Turkey

The importance of an expert pediatric audiological term in objective and subjective audiologic diagnosis and follow up treatment of congenital hearing loss

De Muller, A¹; Gambettola, J²; Torres, Y³; Clavería, M.A⁴; Lacima, J⁵; Cardelus, S⁶
¹ Nurse-Audiologist. Sant Joan de Dèu Universitary Hospital. Barcelona, Spain
^{2,3} Audiologist /Audioprothesist. Sant Joan de Dèu Universitary Hospital. Barcelona, Spain
^{4,5,6} Otorhinolaringologist. Sant Joan de Dèu Universitary Hospital. Barcelona, Spain

Non invasive electrocochleography in pediatric hearing loss diagnosis: our experience in 10 patients diagnosed of unilateral deafness

Torres, Y¹; De Muller,A²; Gambettola, J³; Clavería, M.A⁴; Cardelús, S⁵; Lacima, J⁶
¹ Audiologist / Audioprothesist. Sant Joan de Dèu Universitary Hospital. Barcelona, Spain
² Nurse-Audiologist. Sant Joan de Dèu Universitary Hospital. Barcelona, Spain
³ Audiologist / Audioprothesist. Sant Joan de Dèu Universitary Hospital. Barcelona, Spain
^{4,5,6} Otorhinolaringologist. Sant Joan de Dèu Universitary Hospital. Barcelona, Spain

Central auditory processing tests in children with cochlear implants

Jorge Humberto Martins¹, Marisa Alves¹, Raquel Ferreira¹, Carlos Ribeiro¹, Carlos Pereira², António Teixeira², António Paiva¹
¹ Centro Hospitalar Universitário de Coimbra
² DETI/IEETA Universidade de Aveiro

Central auditory processing tests in children and adults with cochlear implants: What are the differences?

Jorge Humberto Martins¹, Marisa Alves¹, Raquel Ferreira¹, Carlos Ribeiro¹, Carlos Pereira², António Teixeira², António Paiva¹
¹ Centro Hospitalar Universitário de Coimbra
² DETI/IEETA Universidade de Aveiro

Categorical perception of Sine-wave-Speech based on temporal and spectral cues

N. Horev^{1,2}, H. Putter-Katz², H. Pratt¹
¹Technion- Israel Institute of Technology, Haifa, Israel
²Communication Sciences and Disorders, Ono Academic College, Kiryat Ono, Israel

Cognitive aspects in testing for (Central) Auditory Processing disorder

Susanne Köbler^{1,2}, Kristina Ingvall¹, Erik Witte¹, Claes Möller¹
¹Audiological Research Centre, University Hospital of Örebro, Sweden
²School of Health and Medical Sciences, Örebro university, Sweden

Updates on Aetiology of Central Auditory Processing Disorder

V. Iliadou¹, D-E Bamiou²
¹Medical School, Aristotle University of Thessaloniki
²UCL, Ear Institute

Imaging in audiology: a case report of a patient with bilateral neuroma

Attila L Nagy^{1,2}, János Jarabin¹, Ferenc Tóth¹, László Rovó¹, József Géza Kiss¹

¹University of Szeged, Department of Oto-rhino-laryngology and Head and Neck Surgery, Szeged, Hungary

²University of Szeged, Department of Medical Physics and Medical Informatics, Szeged, Hungary

Brain correlates of sound frequency discrimination – a simultaneous ERP-fMRI study

M.Rusiniak, M.Lewandowska, T.Wolak, K.Cieśła, A.Pluta, M.Ganc, R.Milner, H.Skarżyński
World Hearing Center, Institute of Physiology and Pathology of Hearing, Kajetany/Warsaw, Poland

Application of high-resolution fMRI for Primary Auditory Cortex mapping

T.Wolak, M.Rusiniak, A.Pluta, M.Lewandowska, K.Cieśła, L.Śliwa, H.Skarżyński
World Hearing Center, Institute of Physiology and Pathology of Hearing, Kajetany/Warsaw, Poland

Unilateral congenital hearing loss: value role of computed tomography of the temporal bone

S. Cardelús, A. Díaz, J. Lacima, P. Wienberg, R. Moya, O. Haag, P. López, J. Rodriguez, M^aA Claveria Pediatrics ENT of Hospital Materno-infantil Sant Joan De Déu, Barcelona, Spain

Ear imaging contribution in the auditory diagnosis of the infant sensorineural hearing loss: cases description

Claveria MA¹, Rebollo M², Lacima J³, Coll N⁴, De Muller⁵, A Rodriguez Jorge J⁶

^{1,3}ENT-Consultant of Otolaryngology Department, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain

²Neuroradiologist-Consultant, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain

⁴Phonaudiologist Otolaryngology Department, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain

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⁶Head of Department of Otolaryngology, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain

15.30-16.00 Coffee Break

16.00-18.00 Poster Session 2

Expert telefitting mode with the help of support specialists for cochlear implant recipients

Wasowski A.¹, Obrycka A.¹, Walkowiak A.¹, Skarzynski H.¹, Bruski L.², Skarzynski P.^{1,2}

¹World Hearing Center of the Institute of Physiology and Pathology of Hearing, Kajetany, Poland,

²Institute of Sensory Organs, Kajetany, Poland

³Otolaryngology and Rehabilitation Clinic, Medical University of Warsaw, Poland

A comparison between the coding strategies – FS4 x FS4p - in the Med-El cochlear implant system

Dayse Távora-Vieira

School of Surgery, University of Western Australia and Medical Audiology Services, Australia

Coping strategies, self-esteem, symptoms of psychopathology and cochlear implant satisfaction in postlingually deafened adults

J. Kobosko, A. Pankowska, A. Geremek-Samsonowicz, H. Skarżyński

Institute of Physiology and Pathology of Hearing, Warsaw, Poland

Evaluation of Cochlear's New Clinical Care Solutions in clinical practice

L. Bauer^{1,2}, J. Holmanová¹, D. Michejdová¹, Z. Jedličková¹, K. Voříšková¹, M. Topol^{1,3}, T. Tichý^{1,3}, S. Sedlák^{1,3}

¹ Faculty Hospital in Motol, Prague, Czech Republic

² Czech Technical University in Prague, FEE, Department of Circuit Theory, Prague, Czech Republic

³ Cochlear Europe, Prague, Czech Republic

Prognostic factors for hearing outcomes after auditory brainstem implantation with a case report of an excellent performer

Varga L.^{1,2}, Kabátova Z.¹, Šteňo J.³, Pospíšilová Z.¹, Profant M.¹

¹ Ist Otorhinolaryngology Clinic, Faculty of Medicine and University Hospital, Comenius University, Bratislava, Slovakia

² Institute of Experimental Endocrinology, Slovak Academy of Sciences, Bratislava, Slovakia

³ Department of Neurosurgery, Faculty of Medicine and University Hospital, Comenius University, Bratislava, Slovakia

Objective Evaluation of Cochlear Implant Speech Processors

Liebscher T., Digeser F., Hoppe U.

Department of Audiology, ENT-clinic, University of Erlangen-Nuremberg, Germany

Council Conclusions on early detection and treatment of communication disorders in children, including the use of e-Health tools and innovative solutions

Henryk Skarżyński¹, Anna Piotrowska¹, Paulina Kamyk¹, Krzysztof Kochanek¹, Piotr Skarżyński¹

¹ Institute for Physiology and Pathology of Hearing, Warsaw, Poland

² World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw, Poland

Evaluation of layout design in UNHS program in Malaysia

Sulaiman. H.¹, Suzana M¹, Dinsuhaimi S¹, Normani.Z¹, Abdullah A², Misuhaila M², Diana AS², Mazwin O³, Saravanan S³

¹ Sciences University of Malaysia (USM)

² National University of Malaysia Medical Centre (PPUKM)

³ Sunway Medical Center (SMC)

Failure on first Oto Acoustic Emissions neonatal hearing screening among twins

Taitelbaum-Swead R.², Levit-Navat Y^{1,2}, Himmelfarb M^{1,2}

¹ Speech and hearing Unit, Souraky medical center, Tel Aviv, Israel,

² Ariel University, Israel

Determining the effect of state anxiety levels that newborn hearing screening has on parents with newborns with risk factors

Selma Yılar. Halide Çetin Kara, Ahmet Ataş

Istanbul University Cerrahpaşa Medical Faculty, Istanbul

Hearing and leisure-sound exposure in the school age children

W. J. Sulkowski, H. Skarzynski, K. Kochanek, H. Zielinska-Blizniewska, J. Olszewski

¹ Medical University of Lodz, Department of Otolaryngology and Laryngological Oncology, Lodz, Poland

² Institute of Physiology and Pathology of Hearing, Warsaw, Poland

Evaluation of repeatability of transiently-evoked otoacoustic emissions (TEOAE) in young subjects

K. Kochanek¹, K. Puchacz², W.W. Jędrzejczak¹, S. Hatzopoulos³, A. Piłka¹, L. Śliwa¹

¹ World Hearing Centre, Institute of Physiology and Pathology of Hearing, Warsaw, Poland

² Logopedics and Audiology Department, Marie Curie University in Lublin, Poland

³ Department of Audiology, Ferrara University, Italy

Children with cochlear implants – long-term patronage program

Alice Sekula, Bożena Wiskirska Woźnica, Michał Karlik, Hanna Czerniejewska, Magdalena Kalos

Chair and Clinic for Phoniatory and Audiology, Medical University. K. Marcinkowskiego in Poznan

Paediatric Cochlear Implant: Parental Perspectives

Varão L.¹, Santos N.², Lavra T.³, Pinto V.⁴, Brazão P.⁵, Ferreira R.⁶, Monteiro L.⁷

¹ e, ² Audiologists, ³ Speech Therapist, ⁴ Psychologist, ⁵ e, ⁶ ENT Specialists, ⁷ Head of Department

The evaluation of the efficiency of cochlear implant speech processor fitting and the role of free field tonal audiometry.

M.V. Goykhuburg, V.V. Bakhshinyan, G.A. Tavartkiladze

National Research Center for Audiology and Hearing Rehabilitation, Moscow, Russia

Comparison of Quality of Life and speech comprehension and recognition of cochlear implant users

Aidona S., Kyriafinis G., Triaridis S., Blioskas S., Vital V., Tsaligopoulos M.

1st Academic ENT Department, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece

Communication in children with cochlear implants and mental retardation

Sandra Kuške^{1,2}, Ilze Klatenberga^{1,2}, Ilze Blūmentāle²

¹ *Latvian Children Hearing Centre, Lielvārdes str. 68/1, Riga, Latvia*

² *Faculty of Rehabilitation of Riga Stradins University*

Hearing Implant Center of Sant Joan de Déu Children Hospital: Interdisciplinary and coordinated intervention with Catalonia Public Education Department

Coll N¹, Clavería MA², Gambetolla J³, Rodríguez Jorge J⁴

¹ *Phonoaudiologist Otolaryngology Department, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain,*

² *ENT-Consultant of Otolaryngology Department, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain,*

³ *Audiologist Otolaryngology Department, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain,*

⁴ *Head of Department of Otolaryngology, University Maternity Hospital Sant Joan de Déu, Barcelona, Spain*

Comparison of word and sentence recognition of cochlear implant users between recorded and live voice in the Greek language

Kyriafinis G., Krommydas A., Geramas I., Aidona S., Vital V., Tsaligopoulos M.

1st Academic ENT Department, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece

French “Audimot”: Development of a French version of the Four Alternative Auditory Features Test

A. Moulin¹, S. Garcia², A. Jeanvoine¹, C. Richard³

¹. *Lyon Neurosciences Research Center ; Cerebral Dynamics and Cognition Team; Otolaryngology and Auditory Cognition Group; Lyon University ; 50, Av. T. Garnier, 69366 LYON cedex 07, France*

². *Lyon Neurosciences Research Center ; Olfactory & Memory Team; Lyon University; 50, Av. T. Garnier, 69366 LYON cedex 07, France*

³. *ENT Department, Hôpital Nord, CHU de Saint-Etienne, 42055 St Etienne cedex 02, France*

Immunology and microbiology tests among children with otitis media with effusion

Antoni Niedzielski¹, Artur Bartosz Niedzielski², Grażyna Niedzielska³

¹. *Department of humanities science Medical University Lublin*

². *Laboratory of Otoneurology of The Third Chair of Pediatrics Medical University Lublin*

³. *Department of Pediatric Otolaryngology, Audiology and Phoniatics Medical University, Lublin*

Speech performance test results of implanted children

Serpil Mungan Durankaya¹, Günay Kırkım¹, Selhan Gürkan¹, Enis Alpin Güneri², Bülent Şerbetçioğlu¹

¹ *Dokuz Eylul University Faculty of Medicine, Department of Otorhinolaryngology Hearing-Speech and Balance Unit Izmir-Turkey*

² *Dokuz Eylul University, Faculty of Medicine, Department of Otorhinolaryngology İzmir-Turkey*

Comparison of detection, recognition and comprehension of Cochlear Implant users in the Greek language

Geramas I.¹, Kyriafinis G.², Tsaligopoulos M.², Maragoudakis P.¹, Nikolopoulos T.¹

¹. *2nd Academic ENT Department, Athens University, Attikon Hospital, Athens, Greece*

². *1st Academic ENT Department, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece*

Informational masking in spoken communication - Developing the Swedish “Hayling”-sentences

V. Stenbäck^{1,3}, M. Hällgren^{3,4}, B. Lyxell^{2,3}, B. Larsby^{1,3}

¹ *Technical Audiology/IKE, Linköping University, Sweden*

² *Department of Behavioural Sciences and Learning, Linköping University, Linköping, Sweden*

³ *Linnaeus Centre HEAD, Linköping University, Linköping, Sweden*

⁴ *Department of Otorhinolaryngology/Section of Audiology, Linköping University Hospital, Linköping, Sweden*

Saturday, June 22.

First Hall

- 08.30-09.30 Keynote 3
Electric-acoustic and bimodal stimulation in patients with implanted hearing devices
Uwe Baumann
Audiologische Akustik/Zentrum für HNO Heilkunde Johann Wolfgang Goethe-Universität
- 09.30-10.00 Coffee Break
- 10.00-11.30 Structured Session 5
Combined acoustic and electric hearing
Organized by: Tom Francart, Artur Lorens
- Current and future commercial solutions for combined electric and acoustic hearing (10 min)**
Patrick Boyle¹, Ernst von Wallenberg², Marek Polak³, Dan Gnansia⁴
¹*Advanced Bionics GmbH,*
²*Cochlear AG,*
³*Med-El,*
⁴*Neurelec*
- Sound processing for combined electric and acoustic stimulation (20 min)**
Tom Francart, Anneke Lenssen, Jan Wouters
ExpORL, Dept. Neurosciences, KU Leuven, Belgium
- Speech understanding in spatially separated noise with bilaterally linked compression (20 min)**
B.U. Seeber¹, I.M. Wiggins²
^{1,2}*MRC Institute of Hearing Research, Nottingham, UK,*
¹*Now at: Technische Universität München, Munich, Germany,*
²*Now at: NIHR Nottingham Hearing Biomedical Research Unit, Nottingham, UK*
- Wearing a hearing aid with a cochlear implant: optimising the hearing aid signal processing (20 min)**
Anisa Visram, Colette M. McKay, Karolina Kluk
The University of Manchester, School of Psychological Sciences
- Frequency selectivity of contralateral residual acoustic hearing in bimodal cochlear implant users: limitations on electric to acoustic pitch matching and implications for speech processing fitting (20 min)**
Andrew Faulkner, Tim Green, Stuart Rosen
Speech Hearing and Phonetic Sciences, University College London, UK
- 12.00 Closing Ceremony

Second Hall

10.00-11.30

Free papers

Rehabilitation For Children And Adults After Cochlear Implantation - Longterm Follow-Up Programs In Europe

The changes of the comfortable loudness level in cases of interrupted use of speech processor by cochlear implant patients

Ádám Bach, Ferenc Tóth, Alice Szamosközi, József Jóri, László Rovó, József Géza Kiss
Department of Otorhinolaryngology and Head & Neck Surgery, Faculty of Medicine, University of Szeged, Szeged, Hungary

Parents attitude on functioning of deaf children after Cochlear implantation

¹Ostojic, S. *, ¹Djokovic, S., ²Mikic, B., ¹Nikolic, M., ²Miric, D., ²Andric-Filipovic, S.
¹*Belgrade University, FASPER, Surdology Department,*
²*Clinical Center of Serbia, Clinic for ENT&HNS, Audiology Rehabilitation Department*

Parents evaluation of auditory performance of profoundly deaf children with Cochlear implants and hearing aids

Branka Mikic, Danica Miric, Mina Mikic-Nikolic, Maja Asanovic, Sanja Ostojic, Nenad Arsovic
Clinic for ENT&HNS, Clinical Center of Serbia, Belgrade, Serbia, FASPER, Belgrade University, Belgrade, Serbia

Effects of home rehabilitation of children participating in the national rehabilitation program for young children with hearing impairments ‘Sounds of Dreams’

D. Buchman, K. Bieńkowska
¹ *Orange Foundation (Poland), Warsaw,*
² *John Paul II Podkarpacie Province Hospital In Krosno, Society of Parents and Friends of Hearing Impaired Children In Krosno*

Impact of cochlear implantation on the schooling of deaf pupils in western region of Switzerland

George Frederick Hoefflin¹, Bruno Suchaut², Chantal Tièche Christinat³
¹*Cantonal School for Deaf Children (ECES)*
²*Unit for Research on System Piloting (URSP)*
³ *Educational University (HEP-Vaud)*

Cochlear – Implanted Recipient Observational Study (IROS) of the adolescent patients implanted with the cochlear implant in the Clinical Hospital in Poznan, Poland

Hanna Czerniejewska¹, Magdalena Kalos¹, Bożena Wiskirska – Woznica¹, Alicja Sekula¹
¹ *Chair and Clinic for Phoniatry and Audiology, Medical University. K. Marcinkowskiego in Poznan*

Long term performance with cochlear implants in elderly

T Sorrentino, MG Barezzani, S Pasini, M Situra, C Campovecchi, N Nassif, D Zanetti, LO Redaelli de Zinis
ENT Department, Spedali Civili Brescia, Italy

12.00-

Closing Ceremony

Third Hall

10.00-11.30

Free papers

Bone Conduction/ Objective Measures

Maximum output of an active bone conduction implant in 3 patients with a mixed hearing loss: The BONEBRIDGE™

Drs. Griet Mertens^{1,2}, Drs. Jolien Desmet^{1,2}, Prof. Ad FM Snik^{3,4} and Prof. Paul Van de Heyning^{1,2}

¹*Univ. Dept. Otorhinolaryngology, Head and Neck Surgery, Antwerp University Hospital, Belgium,*

²*Faculty of Medicine, Antwerp University, Belgium,*

³*Hearing & Implants, Department of Otorhinolaryngology, Radboud University Nijmegen,*

⁴*Medical Centre, Donders Institute for Brain, Cognition and Behaviour, Nijmegen, The Netherlands*

Unilateral deafness – current treatment options.

Andrzej Zarowski, Robby Vanspauwen, Thomas Somers, Erwin Offeciens
European Institute for ORL-HNS, AZ Sint-Augustinus, Antwerp, Belgium

Prae- postoperative measurement of periimplant skin microcirculation with lazer-Dopler flowmetry in BAHA patients

Zsófia Bere

In-Ear – Bone Conduction Hearing Aid with Piezoelectric Actuators

Maria Gadyuchko¹, Thomas Sattel¹, Martin Ptok²

¹*Mechatronics Group, Department of Mechanical Engineering, Ilmenau University of Technology, Ilmenau, Germany,*

²*Clinic for Phoniatria and Paediatric Audiology, Hannover Medical School, Hannover, Germany*

Audiological results of middle ear implant Vibrant Soundbridge for patients with bilateral osseus aural atresia

Eugenijus Lesinskas

Center of Otolaryngology, Vilnius University Hospital Santariskiu Clinics, Medical Faculty, Vilnius University, Lithuania

Outcome of the clinical trial on Codacs™, a novel transcutaneous Direct Acoustic Cochlear Implant

Ad Snik¹, Thomas Lenarz², Joost Zwartekot¹, Christof Stieger³, Burkard Schwab², Emmanuel Mylanus¹, Marco Caversaccio³, Martin Kompis³, Hamidreza Mojallal²

¹*ENT department Radboud University Medical Center Nijmegen, Netherlands,*

²*ENT department Hannover Medical School, Hannover, Germany,*

³*ENT department Inselspital, University of Bern, Switzerland*

On the evaluation of a new digital bone-anchored hearing device

Arjan J Bosman, Ad FM Snik, Emmanuel AM Mylanus, Myrthe KS Hol

Hearing and Implants, Department of Otorhinolaryngology Radboud University Nijmegen Medical Centre, The Netherlands

12.00

Closing Ceremony