Better Hearing Rehabilitation (BEAR) Study in Denmark

*Introducing the Centralized Clinical Database*

Loquet, Gérard Sylvian Jean Marie; Narne, Vijay; Piechowiak, Tobias; Wolff, Anne; Houmøller, Sabina Storbjerg; Hougaard, Dan Dupont; Schmidt, Jesper Hvass; Hammershøi, Dorte

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FREE PAPER SESSIONS

Free Paper 01 - Bone conduction hearing devices
Main Auditorium, Thursday 23rd May, 17:30-19:00

ID: 03790
Speech understanding and sound localization with the adhesively attached Adhear bone conduction hearing system
Martin Kompis¹, Tom Gawliczek², Marco Caversaccio¹,², Wilhelm Wimmer²
1) Department of ENT, Head and Neck Surgery, Inselspital, University of Bern, Switzerland
2) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Switzerland

ID: 03791
Speech understanding and hearing and with a the non-implantable wearing option Baha SoundArc
Martin Kompis¹, Tom Gawliczek², Marco Caversaccio¹,², Wilhelm Wimmer²
1) Department of ENT, Head and Neck Surgery, Inselspital, University of Bern, Switzerland
2) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Switzerland

ID: 03792
Long term use of bone anchored hearing systems (BAHS) in single sided deafness
Martin Kompis¹, Marco Caversaccio¹,², Wilhelm Wimmer²
1) Department of ENT, Head and Neck Surgery, Inselspital, University of Bern, Switzerland
2) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Switzerland

ID: 03852
Bone conduction hearing aids in children younger than 2 years- audiological assessment
Katarzyna Cywka¹, Piotr Henryk Skarzynski¹,²,³
1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03854
Audiological benefits after Bonebridge implantation
Piotr Henryk Skarzynski¹,²,³, Katarzyna Cywka¹, Bartlomiej Krol¹, Beata Dziendziel¹, Henryk Skarzynski¹
1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03927
First experiences with the new ADHEAR bone conduction system in Serbia
Bojana Bukurovško¹, Nenad Arsovicško¹
1) School of Medicine, University of Belgrade, Clinic for Otorhinolaryngology and Maxillofacial Surgery – Otologic Department, Clinical Centre of Serbia, Belgrade, Serbia

ID: 04019
Baha attract system- long term postoperative outcome with modified surgical technique
Zsofia Bere¹, Adam Perenyi¹, Janos Jarabin¹, Balaz Sztano¹, Ziad Bikhazi⁵, Laszlo Tiszlavicz³, Jozsef Geza Kiss¹, Laszlo Rovo¹
Intracochlear Pressure Measurements to Study Human Bone Conduction Perception
Charlotte Borgers¹, Guy Fierens¹,²,³, Tristan Putzeys¹, Jan Wouters¹, Astrid van Wieringen¹, Nicolas Verhaert¹
1) KU Leuven – University of Leuven, Department of Neurosciences, ExpORL, B-3000 Leuven, Belgium
2) Cochlear Technology Centre, Mechelen, Belgium
3) KU Leuven – University of Leuven, Department of Physics and Astronomy, Laboratory for Soft Matter and Biophysics, B-3001 Heverlee, Belgium

Short-term and first long-term outcomes for children treated with the bone conduction hearing system ADHEAR
Katrin Neumann¹
1) Ruhr University Bochum, Germany

Experience with MRI scanning of Hearing Implant Users
Ilona AndersonMED,E, Martin ZimmerlingMED,E, Richard ZnivaMED,E
1) MED-EL

The variability of fitting parameters across CI centers
Justine Wathour¹, Paul Govaerts², Naima Deggouj¹
1) Centre d'Audiophonologie des Cliniques universitaires Saint-Luc, Brussels, Belgium 2) Eargroup, Antwerpen, Belgium

Listening Effort in Daily Life in Adult Patients with Cochlear Implant
Angelika IllegMRH, Svenja PapeMRH, Thomas LenarzMRH
1) Medical University of Hannover (MHH)

Middle ear infectious complications in cochlear implant patients –our experience
Nina Bozanic UrbancicUnive, Saba BattelinoUnive
1) University Medical Centre Ljubljana Slovenia 2) University of Ljubljana, Faculty of Medicine

Comparison of bimodal benefit using DSL v5.0 and NAL-NL2 as hearing aid gain prescriptions
Frank Digeser¹, Max Engler¹, Ulrich Hoppe²
1) Universitätsklinikum Erlangen, HNO Klinik, Audiologie, Germany

Long-term cognitive prognosis of profoundly deaf older adults after hearing rehabilitation using cochlear implant
Isabelle Mosnier¹, Antoine Vanier¹, Damien Bonnard³, Eric Truy⁴, Philippe Bordure⁵, Benoit Godey⁶, Mathieu Marx⁷, Emmanuel Lescanne⁸, Frederic Venail⁹, Christine Poncet¹⁰, Olivier Sterkers¹¹
ID: 03864

**Pupillometry Assessment of Speech Recognition and Listening Experience in Adult Cochlear Implant Patients.**

Isabelle Mosnier1, Yoshie Russo Francesca2, Michel Hoen3, Thomas Demarcy3, Marine Ardont3, Daniele De Seta2, Ghizlene Lahlou4, Olivier Sterkers1

1) AP-HP, GHU Pitié-Salpêtrière, Service ORL, Otologie, implants auditifs et chirurgie de la base du crâne - Sorbonne Université, Inserm, Unité Réhabilitation chirurgicale mini-invasive et robotisée de l’audition, Paris, France
2) AP-HP, GHU Pitié-Salpêtrière, Département de Biostatistique, Santé Publique et Informatique médicale, Paris, France - Sorbonne Université, Département de Santé Publique, Paris, France
3) Service ORL, Hôpital Pellegrin, Bordeaux, France
4) Service ORL, Hôpital Edouard Herriot, Lyon - Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team, CRNL, INSERM U1028, CNRS UMR5292, Lyon, F-69000,
5) Service ORL, Hôpital Hôtel Dieu, Nantes, France
6) Service ORL, Hôpital Pontchaillou, Rennes, France
7) Service ORL, Hôpital Purpan, Toulouse, France
8) Service ORL, Hôpital Bretonneau, Tours, France
9) Service ORL, Hôpital Gui de Chauliac, Montpellier, France
10) APHP, Service ORL et Centre de réglage des implants cochléaires, Hôpital Rothschild, Paris, France.
11) AP-HP, GHU Pitié-Salpêtrière, Service ORL, Otologie, implants auditifs et chirurgie de la base du crâne - Sorbonne Université, Inserm, Unité Réhabilitation chirurgicale mini-invasive et robotisée de l’audition, Paris, France

ID: 03878

**Cochlear Implant Outcomes in Children with Congenital Inner Ear Anomalies**

Dan Yaniv1, Eyal Raveh2, Meirav Sokolov2, David Ulanovsky2, Hen Mormer2, Joseph Attias3,4

1) Department of Otolaryngology Head and Neck Surgery, Rabin Medical Center, Petach Tikva, Israel
2) Department of Pediatric Otolaryngology, Schneider Children’s Medical Center of Israel, Petach Tikva, Israel
3) Institute for Audiology and Clinical Neurophysiology, Schneider Children's Medical Center, Israel
4) Department of Communication Sciences & Disorders, University of Haifa, Haifa, Israel

ID: 03928

**Pediatric cochlear implant recipients as adults: A survey**

Hillary GanekCh, Mary Lynn FenessCh, Gina GouldingCh, Gillian LibermanCh, Morrison SteelCh, Leanne RudermanTh, Blake PapsinCh, Sharon CushingCh, Karen GordonCh

1) Cochlear Implant Program, The Hospital for Sick Children
2) Department of Psychiatry, University of California San Diego
3) Thanatology Program, King’s University College at Western University

**Free Paper 03 - Cochlear implants II**

Small Auditorium, Thursday 23rd May, 11:00-12:30
ID: 03929
Applying the deconvolution method in Nucleus CIs to better characterize spread of excitation
J.D. Biesheuvel¹, M.V.S. Goffi-Gomez², C.J. James³, J.J. Briaire¹, H. Mauch³, J.H.M. Frijns¹
1) Leiden University Medical Centre 2) HCFMUSP 3) Cochlear Europe

ID: 03933
Cochlear Microphonic Changes During Cochlear Implantation Are Consistent with Hair Cell Survival and Electrode Contact on the Basilar Membrane
Christofer Bester¹, Stefan Weder², Aaron Collins¹, Anthony Gummer³, Stephen O'Leary¹
1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia
2) Department of ENT, Head and Neck Surgery, University Hospital, Bern, Switzerland.
3) Section Physiological Acoustics and Communication, Dept. Otolaryngology, Eberhard-Karls-University Tübingen, Elfriede-Aulhorn-Straße 5, 72076 Tübingen, Germany

ID: 03934
Results of Intraoperative ECochG During the Insertion of Two Types of Electrode Array: Slim Modiolar & Straight Electrode
Christofer Bester¹, Stefan Weder², Aaron Collins¹, Stephen O'Leary¹
1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia
2) Department of ENT, Head and Neck Surgery, University Hospital, Bern, Switzerland.

ID: 03935
Intra-Op Hearing Preservation Monitoring using Electrocochleography
Christofer Bester¹, Stefan Weder², Aaron Collins¹, Stephen O'Leary¹
1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia
2) Department of ENT, Head and Neck Surgery, University Hospital, Bern, Switzerland.

ID: 03945
Noise reduction algorithm ForwardFocus– subjective Feedback
Britta Böhnke¹, Thomas Hocke¹, Matthias Hey¹
¹) Universitätsklinikum Schleswig Holstein HNO Klinik

ID: 04008
Impact of cochlear implantation on quality of life – longitudinal study
Marisa AlvesFac¹, Joaquim FerreiraFac¹, Marcelino PereiraFac¹, Luis SilvaENTD
1) Faculty of Psychology and Educational Sciences, University of Coimbra, Portugal
2) ENT Department, Coimbra Hospital and University Centre, Portugal

ID: 04009
Translation and cultural adaptation of the Nijmegen Cochlear Implant Questionnaire into European Portuguese
Marisa AlvesENTD, Marcelino PereiraFac, Joaquim FerreiraFac, Luis SilvaENTD
1) Faculty of Psychology and Educational Sciences, University of Coimbra, Portugal
2) ENT Department, Coimbra Hospital and University Centre, Portugal

ID: 04010
The impact of cochlear implantation on third-party hearing loss-related quality of life – longitudinal study with spouses
Marisa AlvesENTD, Marcelino PereiraFac, Joaquim FerreiraFac, Luis SilvaENTD
1) Faculty of Psychology and Educational Sciences, University of Coimbra, Portugal
2) ENT Department, Coimbra Hospital and University Centre, Portugal

ID: 04011
Translation and cultural adaptation of The Hearing Impairment Impact – Significant Other Profile into European Portuguese
Marisa AlvesFac, Joaquim FerreiraFac, Marcelino PereiraFac, Luis SilvaENTD
1) Faculty of Psychology and Educational Sciences, University of Coimbra, Portugal
Free Paper 04 - Auditory processing Disorders I  
Small Auditorium, Thursday 23rd May, 15:30-17:00

ID: 03942  
Normalization and evaluation of the UCAST-FW - an adaptive low-pass filtered speech test of APD  
Greg A. O’Beirne¹,², Jasmine M. Gibbins¹, Justin Yau¹, Rebecca J. Kelly-Campbell¹  
1) University of Canterbury, Christchurch, New Zealand  
2) Eisdell Moore Centre, Auckland, New Zealand

ID: 03958  
Auditory Skills Informal Protocol: Pilot Study  
Inês Martins¹, Graça Simões Carvalho¹, Cristiane Lima Nunes¹, Simone Capellini¹  
1) Universidade do Minho - CIEC 2) Universidade Estadual Paulista (UNESP) - LIDA

ID: 03963  
Characteristics of children who are referred to the Auditory Process Disorder (APD) clinic – The Nutfield Experience  
Nattawan Utoomprukpon¹, Chrysa Spyridakou²  
1) UCL ear institute, University College London  
2) The Nuffield Hearing and Speech centre , Royal National Throat Nose Ear Hospital, University College London Hospital

ID: 04031  
Comparison of Auditory Processing Skills between Children with Unilateral Hearing Loss and Children with Normal Hearing  
Aysel Bengi Yerlikaya¹, Haydar Murat Yener¹, Zahra Polat¹, Eyüp Kara¹, Ahmet Ataş¹  
1) Istanbul University-Cerrahpasa, Departmant of Audiology, Cerrahpasa Medicine Faculty Hospital  
2) Istanbul University-Cerrahpaşa, Department of Otolaryngology Head and Neck Surgery, Cerrahpasa Medicine Faculty  
3) Istanbul University-Cerrahpasa, Department of Audiology, Faculty of Health Sciences  
4) Istanbul University-Cerrahpasa, Department of Audiology, Faculty of Health Sciences  
5) Istanbul University-Cerrahpasa, Department of Otolaryngology Head and Neck Surgery, Cerrahpasa Medicine Faculty

ID: 04076  
The possible effects on Auditory processing skills due to conductive (Fluctuating), hearing loss.  
Marina Callimachou¹, Kakia Petinou¹  
1) Department of Rehabilitation Sciences Cyprus University of Technology

ID: 04109  
Case Report: The use of Musical Auditory Training for an actor with tuning and memorizing texts difficulties.  
Katya Freire¹, Cristina Félix¹, Millena Souza¹, Ana Paula Bruner¹  
1) Audicare Audiology Clinic (Brazil)

Free Paper 05 - Age Related hearing loss  
Small Auditorium, Thursday 23rd May, 17:30-19:00

ID: 03780  
Can you hear me? Audiology protocols in diagnosis and treatment of aphasia
Can you hear me? Audiology protocols in diagnosis and treatment of aphasia
Limor Lavie\textsuperscript{Unive}, Michal Biran\textsuperscript{Unive}, Daria Tal\textsuperscript{Unive}
1) University of Haifa, Department of speech and hearing sciences and disorders

Cognition of older adults with late onset hearing loss compared to matched controls with age appropriate hearing
Maria Huber\textsuperscript{1}, Sebastian Roesch\textsuperscript{1}, Belinda Pletzer\textsuperscript{2}, Julia Lukaschyk\textsuperscript{3}, Anke Lesinski-Schiedat\textsuperscript{4}, Angelika Illg\textsuperscript{5}
1) Department of Otorhinolaryngology, Head and Neck Surgery, Paracelsus Medical University Salzburg, Austria
2) Department of Psychology, Center for Neurocognitive Research, University of Salzburg, Austria
3) Department of Otorhinolaryngology, Hannover Medical School, Germany

Age-related changes in the auditory function studied by extended audiometric examination
Zbynek Bures\textsuperscript{1,2}, Oliver Profant\textsuperscript{2,3}, Veronika Svobodova\textsuperscript{2,4}, Diana Tothova\textsuperscript{2,4}, Vaclav Vencovsky\textsuperscript{2}, Josef Syka\textsuperscript{2}
1) Department of Technical Studies, College of Polytechnics, Jihlava, Czech Republic
2) Department of Auditory Neuroscience, Institute of Experimental Medicine of the Czech Academy of Sciences, Prague, Czech Republic
3) Department of Otorhinolaryngology of Faculty Hospital Královské Vinohrady and 3rd Faculty of Medicine, Charles University, Prague, Czech Republic
4) Department of Otorhinolaryngology and Head and Neck Surgery, 1st Faculty of Medicine, Charles University in Prague, University Hospital Motol, Prague, Czech Republic

Age-Related Treatment Effect On Sudden Hearing Loss
Merve MERAL\textsuperscript{1}, Ahsen KARTAL\textsuperscript{1}, Ümit Can ÇETİNKAYA\textsuperscript{1}, Büşra ULUDAĞ\textsuperscript{1}, İnci ADALI\textsuperscript{1}, Özlem KONUKSEVEN\textsuperscript{1}
1) Department of Audiology, Istanbul Aydın University, Turkey

Identification of hearing loss through a single question
Neelke Oosterlo\textsuperscript{Erasm}, Nienke Homans\textsuperscript{Erasm}, Rob J. Baatenburg de Jong\textsuperscript{Erasm}, Arfan Ikram\textsuperscript{Erasm}, Paul Nagtgebael\textsuperscript{Erasm}, André Goedegebure\textsuperscript{Erasm}
1) Erasmus MC

Restoration of sensory input may improve cognitive and neural function
Hanin Karawan\textsuperscript{Unive}, Samira Anderson\textsuperscript{Unive}
1) University of Haifa
2) University of Maryland

Can High-Frequency Audiometry “Unhide” Hidden Hearing Loss?
Ioannis Bardanis\textsuperscript{1}, Konstantinos Panagiotidis\textsuperscript{1}
1) General Hospital of ikaria, Greece
ID: 03847
Hearing effects of prolonged exposure to the hyperbaric environment in professional divers
Sheila AguileraClin, Margarida SerranoInst
1) Instituto Politécnico de Coimbra, ESTeSC – Coimbra Health School, Audiologia
2) Clínica Templado – Audiología Avanzada (Murcia/España)

ID: 03870
Accuracy of Contralateral Occlusion Test in Conductive Hearing Loss
Luís Reis¹, Luís Castelhano¹, Filipe Correia¹, Pedro Escada¹
1) Egas Moniz University Hospital, Lisbon

ID: 03946
Feasibility of high frequency bone conduction thresholds for up to 16 kHz using the Westra KLH96 bone conduction transducer
Kimmy SnelUMC, Koen RhebergenUMC
1) UMC Utrecht

ID: 04017
Interpretation of wide-band tympanometry using automated pattern recognition
Eliane Ebnoether¹, Anu James Madathilparambil², Volker Roth², Christof Stieger¹
1) Department of Otolaryngology, Head and Neck Surgery, University of Basel Hospital, Switzerland
2) Department of Mathematics and Computer Science, University of Basel, Switzerland

ID: 04068
Test-retest reliability and validity of ultra-high frequency audiometry without a sound-treated environment in healthy adults and multi-drug resistant tuberculosis patients.
Lebogang RammaUnive, Lucretia PetersenUnive
1) University of Cape Town, South Africa

ID: 04107
Development and Validation of the Arabic CAPT
Hanin RayesUCL, Ghada Al-MalkyUCL, Deborah VickersCambr
1) UCL
2) Department of Speech Hearing and Phonetic Sciences, Faculty of Brain Sciences, University College London, London, UK
3) Ear Institute, Faculty of Brain Sciences, University College London, London, UK
4) Department of Clinical Neurosciences, Clinical School, University of Cambridge, Cambridge, UK

ID: 04111
The Dynamic Range of Hearing in the High Frequencies (9-16 kHz) in a Population of Normal Hearing Individuals.
Alicja. N. Malicka¹, Andrea Simpson¹, Jevan Price Leggett¹, Julia C. Amezdroz², Georgia E. Gooding³, Ajisha Kizhakumtala¹, Rita Hou³, Courtney Burton³, Wayne J. Wilson³
1) La Trobe University
2) The University of Queensland

ID: 04122
Multi-Frequency Technology for acoustic Reflexes
Russell Higgs¹, Andre Lodwig²
1) Path Medical Gmbh

Free Paper 07 - Vestibular disorders, diagnosis and therapy I
Meeting Room 1, Thursday 23rd May, 15:30-17:00
Normalization Of Galvanic Vestibular Evoked Myogenic Potentials In Healthy Individuals
Nizamettin Burak AVCİTrakya, Zahra POLATİstan, Ahmet ATAŞİstan
1) Department of Audiology, Faculty of Health Sciences, Trakya University, Edirne, Turkey
2) Department of Audiology, Faculty of Health Sciences, Istanbul University-Cerrahpasa, Istanbul, Turkey
3) Department of Otolaryngology, Cerrahpasa Medical Faculty, Istanbul University-Cerrahpasa, Istanbul, Turkey

Auditory-evoked neurophonic responses recorded using a novel signal processing technique
Greg A. O'Beirne1,2, Alison M. Cook1,2, Ashleigh J. Allsop1
1) University of Canterbury, Christchurch, New Zealand
2) Eisdell Moore Centre, Auckland, New Zealand

Static and Dynamic Balance in School Children with Sensorineural Hearing Loss
Kürşad KarakoçAnkar, Banu MüjdeciAnkar
1) Ankara Yildirim Beyazit University

Evaluating The Effectiveness of Virtual Reality (VR) Game Systems in Vestibular Rehabilitation In Motion Sickness
Emel Uğur1, Özlem Konukseven2
1) Acibadem Altunizade Hospital, Audiology Department 2) Istanbul Aydin University, Faculty of Health Sciences, Audiology Department

What are the Differences Between Canalolithiasis and Cupulolithiasis in patients with BPPV: Latency, Direction, Duration and Age Distribution
İnci Adalı1, Ümit Can Çetinkaya1, Merve Meral1, Ahsen Kartal1, Büşra Uludağ1, Barış Tansu Özal1, Özge Melike Gün1, Zeynep Önerci Altunay2, Haluk Özkarakaş2, Özlem Konukseven1
1) Audiology Department, Faculty of Health Sciences, Istanbul Aydin University
2) Acibadem Kadikoy Hospital, Audiology Department

Free Paper 08 - Devepment of hearing throughout life
Meeting Room 1, Thursday 23rd May, 17:30-19:00

Towards Predictions of Individual Benefits with Real Hearing Aids
David HülsmeierMediz, Anna WarzybokMediz, Birger KollmeierMediz, Marc René SchädlerMediz
1) Medizinische Physik and Cluster of Excellence Hearing4all, CvO Universität Oldenburg

Personal Stereos And Adolescence: Pleasure Or Risk
Carla Bahillo-Nevesaudio
1) Audiotex

Evaluation of Verbal Working Memory and Phonemic Analysis Skills in Adolescents with Cochlear Implant- A Preliminary Study
NURIYE YILDIRIMGazi, BULENT GUNDUZGazi, HAKAN TUTARGazi, RECEP KARAMERTGazi, ŞADIYE BACIK TRANKGazi
1) Gazi University, Faculty of Health Sciences, Department of Audiology 2) Gazi University Faculty of Medicine, Department of Otorhinolaryngology 3) Gazi University, Faculty of Health Sciences, Department of Speec and Language Therapy
**Neurodevelopmental aspects of hearing-in-noise in 5 to 11 year-old children**
Jeremie Ginzburg\textsuperscript{Lyon}, Lesly Fornoni\textsuperscript{Lyon}, Justine Popieul\textsuperscript{Lyon}, Caroline Pierre\textsuperscript{Lyon}, Anne Caclin\textsuperscript{Lyon}, Annie Moulin\textsuperscript{Lyon}

1) Lyon Neuroscience Research Centre, Brain Dynamics and Cognition Team, Perception Attention and Memory group, CNRS UMR5292, INSERM U1028, Claude Bernard Lyon 1 university, Lyon University, F-69000, Lyon, France

**DHH Students Perception of School Inclusion through different school environments.**
Edyta Tominska\textsuperscript{1}, Anna Zwierzchowska\textsuperscript{2}, Agata Kruzynska\textsuperscript{2}, Aleksandra Zebrowska\textsuperscript{3}

1) UER PS, Haute Ecole Pédagogique du Canton de Vaud, Lausanne, Switzerland
2) Department of Special Education, the J. Kukuczka Academy of Physical Education, Katowice, Poland
3) Department of Physiological and Medical Sciences, the J.Kukuczka Academy of Physical Education, Katowice, Poland

**The association between age-related hearing loss, body composition and diet**
André Goedegebure\textsuperscript{Erasm}, Pauline Croll\textsuperscript{Erasm}, Trudy Voortman\textsuperscript{Erasm}, Meike Vernooij\textsuperscript{Erasm}, Arfan Ikram\textsuperscript{Erasm}

1) Erasmus MC

**Presbycusis: auditory rehabilitation influence in loneliness and depression in older people**
Tatiana Marques\textsuperscript{Insti}, Filipa D. Marques\textsuperscript{Insti}

1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal; OuviSonus
2) Instituto Politécnico de Coimbra, ESEC, Gerontologia; CINTESIS

**Is Serious Game-Based Learning a Good Therapeutic Option in Adult Cochlear Implantees? Preliminary Results from an Intensive Listening-in-Noise Training Program**
Pierre Reynard\textsuperscript{1,2,3}, Virginie ATTINA\textsuperscript{1,2,3}, Evelyne VEUILLET\textsuperscript{1,2,3}, Hung THAI-VAN\textsuperscript{1,2,3}

1) Department of Audiology and Otoneurological Evaluation – Lyon University Hospital, France
2) Claude Bernard Lyon 1 University, France
3) Lyon Neuroscience Research Center, Inserm U1028 CNRS UMR5292 France

**Test-Retest Reliability of a Modern Greek Speech Audiometry Test for Adults**
Nikolaos Trimmis\textsuperscript{1}, Dimitra Chaldi\textsuperscript{2}, Stefanos Naxakis\textsuperscript{3}

1) Department of Speech Language Therapy, TEI of Western Greece.
2) Faculty of Social Sciences, Brock University, Canada.
3) Department of Otolaryngology, University Hospital of Patras, Greece.

**Audiological classification of patient data using expert-based Common Audiological Functional Parameters (CAFPAs)**
Mareike Buhl\textsuperscript{1,2}, Anna Warzybok\textsuperscript{1,2}, Marc René Schädler\textsuperscript{1,2}, Birger Kollmeier\textsuperscript{1,2,3}

1) Medizinische Physik, Universität Oldenburg, Oldenburg, Germany
2) Cluster of Excellence Hearing4all, Oldenburg, Germany
3) HörTech gGmbH, Oldenburg, Germany
4) Hearing, Speech and Audio Technology, Fraunhofer IDMT, Oldenburg, Germany
ID: 03994
Speech perception in noise by school-aged children with dyslexia: Is there a benefit of envelope enhancement?
Tilde Van Hirtum¹, Pol Ghesquière², Jan Wouters¹
1) KU Leuven - University of Leuven, Dept. of Neurosciences, ExpORL, Leuven, Belgium
2) KU Leuven – University of Leuven, Faculty of Psychology and Educational Sciences, Parenting and Special Education Research Unit, Leuven, Belgium

ID: 03998
Experiences of an Internet-based aural rehabilitation (IAR) program for hearing aid users: a qualitative study
Milijana Malmberg¹,²
1) Habilitation & Health, Hearing Organization, Region Västra Götaland, Sweden
2) Department of Health and Rehabilitation, Institute of Neuroscience and Physiology, Sahlgrenska Academy, University of Gothenburg, Sweden

ID: 04016
A systematic review on maternal verbal interaction and the effects on language outcomes in children with hearing loss
Lena L N Wong¹, Nuzhat Sultana¹, Suzanne Purdy¹
1) University of Hong Kong

Free Paper 10 - Recruiting the other ear in SSD and bimodal fitting
Meeting Room 2, Thursday 23rd May, 15:30-17:00

ID: 03810
Topic: Recruiting the other ear in SSD and bimodal fitting
Loudness scaling and localization of cochlear implant users with contralateral hearing aid
Anne Hast¹, Paul Lehmann¹, Patrick Munder², Matthias Hey², Hoppe Ulrich¹
1) CICERO - CI Centre Erlangen, ENT department, University clinic Erlangen
2) ENT department, University clinic Schleswig-Holstein, Campus Kiel

ID: 03861
Comparing the Effect of Different Hearing Aid Fitting Methods in Bimodal Cochlear Implant Users.
Jantien Vroegop Erasm¹, Gertjan Dingemans Erasm¹, Marc van der Schroeff Erasm¹, André Goedegebure Erasm¹
1) Erasmus MC

ID: 03987
Benefit of Balanced Sound Processing and Matched Automatic Gain Control in Bimodal Cochlear Implant Users – Final results
Diana Arweiler-Harbeck Cochl, Anna Möller Cochl, Heike Bagus Cochl, Thomas Scholz Cochl, Stephan Hans Cochl, Laura Holtmann Cochl
1) Department of Otorhinolaryngology, Chair Prof Dr. Stephan Lang University Hospital Essen University Duisburg-Essen, Germany
2) Cochlear Implant Center Ruhr Essen Germany

ID: 04045
10 years of Cochlear Implantation in Single Sided Deaf patients- a critical review
Anja Kurz¹, Marius Grubenbecher¹, Maren Zanzinger¹, Rudolf Hagen¹, Kristen Rak¹, Kühn Heike¹
1) Department of Otolaryngology, University Hospital Würzburg, Comprehensive Hearing Center

Free Paper 11 - Pediatric Audiology
Meeting Room 2, Thursday 23rd May, 17:30-19:00

ID: 03776
The Adhesive Bone Conduction system, ADHEAR – performance, physics and clinical evaluations
Patrik Westerkull
1) Otorix Research / Chalmers University of Technology

ID: 03789
Vestibular Function in Children with Neurodevelopmental Disorders: A Systematic Review
R. Van Hecke1, M. Danneels1, I. Dhooge2,3, H. Van Waelvelde1, J.R. Wiersema4, F.J.A. Deconinck5, L. Maes1,2
1) Ghent University, Department of Rehabilitation Sciences, Ghent, Belgium
2) Ghent University Hospital, Department of Otorhinolaryngology, Ghent, Belgium
3) Ghent University, Department of Head and Skin, Ghent, Belgium
4) Ghent University, Department of Experimental-Clinical and Health Psychology, Ghent, Belgium
5) Ghent University, Department of Movement and Sports Sciences, Ghent, Belgium

ID: 03872
Selection of Material for Speech Audiometry Testing in Young Greek-Speaking Children
Nikolaos Trimmis1, Dimitra Chaldi2
1) Department of Speech & Language Therapy, TEI of Western Greece
2) Faculty of Social Sciences, Brock University, Canada

ID: 03943
Development of a paediatric version of the University of Canterbury Auditory-Visual Matrix Sentence Test.
Greg A. O'Beirne1,2, Pace M. Jenkins-Foreman1, Marie Lay1, Rebecca J. Kelly-Campbell1
1) University of Canterbury, Christchurch, New Zealand 2) Eisdell Moore Centre, Auckland, New Zealand

ID: 04042
Assessing Gross Motor Skills Of Children With Cochlear Implants And Children With Normal Hearing
Selma Yiğit, Duygu Hayr, N.Burak Avci, Sare Oçak, Z. Dilek Gülmez, Hatice Demir, Soner Gülner, Duygu Özdemir, Zeynep İkizoğlu, Emin Karaman, Zahra Polat
1) Department of Audiology, Medical Faculty, Istanbul University Cerrahpasa, Istanbul, Turkey
2) Department of Audiology, Faculty of Health Science, Istanbul University Cerrahpasa, Istanbul, Turkey
3) Department of Audiology, Faculty of Health Science, Trakya University, Edirne, Turkey
4) Department of E.N.T, Medical Faculty, Istanbul University Cerrahpasa, Istanbul, Turkey

ID: 04046
Classical Play Audiometry Versus Animated Play Audiometry
İlayda Çelik, Kerim Yetkin Kurnaz, Yuşa Başoğlu, Oğuz Yılmaz, Mustafa Bülent Şerbetçioğlu
1) İstanbul Medipol University 2) İstanbul Technical University

ID: 04086
Assessment of Reading Ability in Fourth Grade Elementary School Children with Hearing Loss and Normal Hearing
Selma Yiğit, Merve Çinar, Figen Başar, Zahra Polat
1) Department of Audiology, Medical Faculty, Istanbul University Cerrahpasa, Istanbul, Turkey
2) Department of Audiology, Faculty of Health Science, Anadolu University, Eskisehir, Turkey
3) Department of Audiology, Medical Faculty, Ondokuz Mayıs University, Samsun, Turkey
4) Department of Audiology, Faculty of Health Science, Istanbul University Cerrahpasa, Istanbul, Turkey

ID: 04110
Protocol for Early Detection and Management of Hearing Loss from Bacterial Meningitis in Children
Sofia Polainas¹, Filipa Ferreira¹, Vítor Proença¹, Luis Antunes¹
1) Department of Otorhinolaryngology, Hospital Garcia de Orta, Almada, Portugal

Free Paper 12 - Cochlear Implants III
Main Auditorium, Friday 24th May, 17:30-19:00

ID: 03951
Individualized models of the auditory nerve response to cochlear implant stimulation
Bernhard Seeber¹, Marko Takanen¹, Kauê Werner¹
1) Audio Information Processing, Technical University of Munich

ID: 03952
Objective Measures To Characterize The Electrical Properties Of The Cochlear Implant (Ci) Electrode Array And The Sourrounding Tissue
Goetz Brademann¹, Angel Ramos de Miguel², Juan Carlos Falcon², Timo Štoever³, Manuel Manrique⁴, Robert Cowan⁵, Ulrich Hoppe⁶, Matthias Hey⁷, Uwe Baumann⁷, Alicia Huarte⁸, Tim Liebscher⁹, Riaan Rottier⁹, Nicole Neben¹⁰, Angel Ramos¹¹
1) Department of Otorhinolaryngology, Head and Neck Surgery, Christian-Albrecht-University of Kiel, Kiel, Germany
2) Acoustic lab - Audiology, Complejo Hospitalario Universitario Insular Materno-Infantil de Gran Canaria, Las Palmas, Spain
3) Otorhinolaryngology - Head and Neck Surgery, Klinikum der J.W. Goethe-Universität, Frankfurt, Germany
4) Otorhinolaryngology - Head and Neck Surgery, Clinica Universidad de Navarra, Pamplona, Spain
5) HEARing CRC, University of Melbourne, Carlton, Australia
6) Audiology, Universitätsklinikum Erlangen, Erlangen, Germany
7) Audiology Klinikum der J.W. Goethe-Universität, Frankfurt, Germany
8) Audiology, Clínica Universidad de Navarra, Pamplona, Spain
9) Sound Processors and Clinical Care, Cochlear, Sydney, Australia
10) Clinical Studies, Cochlear, Hannover, Germany
11) Otorhinolaryngology - Head and Neck Surgery, Complejo Hospitalario Universitario Insular Materno-Infantil de Gran Canaria, Las Palmas, Spain

ID: 03954
Short-Term And Long-Term Hearing Performance In 150 Subjects Provided With A Ci532
Ulrich Hoppe¹, Timo Štoever², Uwe Bauman², Alexander Mewes³, Tim Liebscher⁴, Marc Schuessler³, Antje Aschendorff⁵, Thomas Wesarg⁵, Andreas Buechner⁶, Nicole Neben⁶, Matthias Hey⁷
1) Audiology, Universitätsklinikum Erlangen, Erlangen, Germany, Hearing Center
2) ENT clinic, Klinikum der J.W. Goethe-Universität, Frankfurt, Germany
3) Audiology, Universitätsklinikum Schleswig-Holstein, Kiel, Germany
4) German Hearing Center at Medizinische Hochschule Hannover, Hannover, Germany
5) ENT clinic, University of Freiburg, Freiburg, Germany
6) Clinical studies, Cochlear, Hannover, Germany

ID: 03959
Investigation of Electrically Evoked Auditory Brainstem Responses Changes in Children with Sequential Bilateral Cochlear Implants
Burcu Deniz², EYYUP KARA³, ZAHRA POLAT¹, RIŞVAN DENİZ², AHMET ATAS³
1) İstanbul University-Cerrahpaşa, Faculty of Health Sciences, Department of Audiology
2) Istanbul University - Cerrahpaşa, Cerrahpaşa Medical Faculty Hospital, Department of Audiology
3) Istanbul Üniversitesi-Cerrahpaşa, Cerrahpaşa Medical Faculty, Department of Otalaryngology, Head and Neck Surgery

ID: 03989
The impact of low rate stimulation on speech understanding and sound perception using the ACE strategy
Andreas Buechner\textsuperscript{Hanno}, Eugen Klud\textsuperscript{Hanno}, Mark Schuessler\textsuperscript{Hanno}, Thomas Lenarz\textsuperscript{Hanno}
1) Hannover Medical School

ID: 04000
Influence of cerebral abnormalities in pediatric cochlear implant recipients on auditory perception and speech outcomes
M. Mashaly\textsuperscript{Otor}
1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04002
Cochlear Implantation in Syndromic Deafness: Challenges, Hearing and Speech Rehabilitation Outcomes
M. Mashaly\textsuperscript{Otor}
1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04003
Cochlear Implantation in Bilateral Profound Deafness after Head Trauma
M. Mashaly\textsuperscript{Otor}
1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04022
Objective help for CI fitting – AutoART and applications
Balazs Dimak\textsuperscript{1}, Roland Nagy\textsuperscript{1}, Adam Perenyi\textsuperscript{1}, Janos Andras Jarabin\textsuperscript{1}, Rebeka Schulcz\textsuperscript{1}, Laszlo Rovo\textsuperscript{1}, Jozsef Geza Kiss\textsuperscript{1}
1) University of Szeged, Department of Otorhinolaryngology, Head and Neck Surgery

Free Paper 13 - Cochlear implants IV
Small Auditorium, Friday 24\textsuperscript{th} May, 09:00-10:30

ID: 04030
The benefits of the Cochlear Implant in Single Sided Deafness - Events Related Potentials (ERP-P300)
Tânia Martins\textsuperscript{Hosp1}, Diogo Ribeiro\textsuperscript{Hosp1}, Jorge Oliveira\textsuperscript{Copel}, Mafalda Almeida\textsuperscript{Hosp1}, Vera Lourenço\textsuperscript{Hosp1}, João Paço\textsuperscript{Hosp1}
1) Hospital Cuf Coimbra, Hospital Cuf Infante Santo, Copelabs ULHT

ID: 04085
Sequential Bilateral Cochlear Implantation in Children: Outcome of the Second Implant and Long-Term Use
João Fonseca Neves\textsuperscript{1}, Jorge Humberto Martins\textsuperscript{1}, Susana Andrade\textsuperscript{1}, Graça Oliveira\textsuperscript{1}, Joana Sanches Pires\textsuperscript{1}, Marisa Alves\textsuperscript{1}, Helena Alves\textsuperscript{1}, Daniela Ramos\textsuperscript{1}, Ricardo Caiado\textsuperscript{1}, João Elói Moura\textsuperscript{1}, Jorge Quadros\textsuperscript{1}, Felisberto Maricato\textsuperscript{1}, Luis Filipe Silva\textsuperscript{1}
1) Serviço de Otorrinolaringologia - Centro Hospitalar e Universitário de Coimbra

ID: 04089
Swiss National Cochlea Implant Register: Preliminary Analysis of Speech Development
Katrin Siegwolf\textsuperscript{1}, Anette Voswinckel\textsuperscript{1}, Maike Lipp\textsuperscript{1}, Claudia Ohnsorg\textsuperscript{3}, Luzia Bayard\textsuperscript{4}, Christof Stieger\textsuperscript{1,5}
1) Department of ENT, University of Basel Hospital, Switzerland
2) Department of ENT, Head and Neck Surgery, University Hospital of Zurich, Switzerland
3) Department of ENT, Head and Neck Surgery, Cantonal Hospital Lucerne, Lucerne, Switzerland
4) Department of ENT, Head and Neck Surgery, University of Bern, Inselspital, Berne, Switzerland
5) CICH, Working Group for Cochlear Implants of the Swiss ENT Society, Switzerland

ID: 04103
Objective and subjective results with two types of electrodes and the same cochlear implant electronics in pediatric subjects
Adam Perenyi\textsuperscript{Unive}, Ferenc Toth\textsuperscript{Unive}, Balazs Dimak\textsuperscript{Unive}, Roland Nagy\textsuperscript{Unive}, Zsofia Bere\textsuperscript{Unive}, Jozsef Geza Kiss\textsuperscript{Unive}, Laszlo Rovo\textsuperscript{Unive}

ID: 04108
Predicting Long-term Speech and Language Outcomes in Paediatric Cochlear Implant Recipients
Julie Hare\textsuperscript{2}, Tracey Sear\textsuperscript{2}, Debi Vickers\textsuperscript{1}
1) University of Cambridge, Department of Clinical Neuroscience, Cambridge, UK
2) Royal, National, Throat, Nose and Ear Hospital, Cochlear Implant Programme, London. UK

ID: 04115
Outcomes and daily time use of cochlear implants in post-lingual adult patients
Catarina Tinoco\textsuperscript{1}, Diogo Ribiero\textsuperscript{1}, Ana Campos\textsuperscript{1}, Pedro Henriques\textsuperscript{1}, Hugo Estibeiro\textsuperscript{1,2}, João Paço\textsuperscript{1}
1) Hospital Lusíadas Lisboa, Lisboa 2) Widex, Portugal

ID: 04117
Early Fitting Objective Performance Vs Standard Activation Objective Performance
Joana Luis\textsuperscript{1}, Tânia Delgado\textsuperscript{1}, João Januário\textsuperscript{2}, Carla Gonçalves\textsuperscript{2}, Mª Luisa Monteiro\textsuperscript{1}
1) Hospital CUF Infante Santo 2) Instituto Português de Oncologia de Lisboa Francisco Gentil

ID: 04125
Cochlear implantation in patients with Ménière's disease
Diogo Ribeiro\textsuperscript{1}, Cristina Caroça\textsuperscript{2}, João Paço\textsuperscript{1}
1) University Clinical Center of Otorhinolaryngology of Hospital CUF Infante Santo 2) NOVA Medical School, Universidade Nova de Lisboa

ID: 04137
Personalized electrode array insertion for cochlear implantation
O. Sterkers\textsuperscript{1}, Y. Nguyen\textsuperscript{1}, R. Torres\textsuperscript{1}, D. De Seta\textsuperscript{1}, M. Drouillard\textsuperscript{1}, D. Bernardeschi\textsuperscript{1}, I. Mosnier\textsuperscript{1}
1) Sorbonne Universities and Inserm/UMR-S1159, APHP Groupe Hospitalier Pitié Salpêtrière, Paris, France

ID: 04140
Influence of Microphone Directivity on Static and Dynamic Localization and Minimum Audible Angle with Bilateral Cochlear Implant Users
Tim Fischer\textsuperscript{1,2}, Christoph Schmid\textsuperscript{2}, Martin Kompis\textsuperscript{2}, Georgios Mantokoudis\textsuperscript{2}, Marco Caversaccio\textsuperscript{1,2}, Wilhelm Wimmer\textsuperscript{1,2}
1) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Bern, Switzerland
2) Department of ENT, Head and Neck Surgery, Inselspital, Bern University Hospital, University of Bern, Bern, Switzerland

Free Paper 14 - Electrophysiology and audiology
Small Auditorium, Friday 24th May, 11:00-12:30
ID: 03882
How to identify auditory neural energetic vulnerability
Fabrice GIRAUDET¹, Paul DELTENRE², Paul AVAN³
1) Laboratory of Neurosensory Biophysics, UMR INSERM 1107, School of Medecine, University
Clermont Auvergne, Clermont-Ferrand, France
2) CHU Brugmann, Université Libre de Bruxelles, Belgium

ID: 03889
Artificial intelligence is effective in auditory brainstem response analysis
Richard McKearney¹, Robert MacKinnon²
1) Department of Audiology, Guy's and St. Thomas' NHS Foundation Trust, London, UK 2) Department of Vision and Hearing Sciences, Anglia Ruskin University, Cambridge, UK

ID: 03931
The Investigation of the Relationship Between Frequency-Specific Hearing Loss and ALLR in Normal Hearing and Hearing Loss Individuals: Preliminary Research
Özlem Beşik¹, Nuriye Yıldırım¹, Emre Orhan¹, Bülent Gündüz¹, Hakan Tutar¹, Recep Karamert¹
1) Gazi University

ID: 03940
Electrophysiological and behavioral measures of some speech contrasts in varied attention and noise
David Jackson Morris¹, John Tendering¹, Magnus Lindgren¹
1) University of Copenhagen, Department of Nordic Studies and Linguistics, Speech Pathology and Audiology 2) Lund University, Department of Psychology

ID: 03944
Estimation of the degree and configuration of hearing loss using ASSR evoked by amplitude modulated noise
Thamara Santos¹, Jeferson Jhone Silva², Danilo Barbosa Melges², Otávio Gomes Lins³, Carlos Julio Tierra-Criollo⁴
1) Graduate Program in Neuroscience, Federal University of Minas Gerais, Belo Horizonte, Brazil 2) Graduate Program in Electrical Engineering, Federal University of Minas Gerais, Belo Horizonte, Brazil 3) Graduate Program in Neuropsychiatry, Federal University of Pernambuco, Recife, Brazil 4) Biomedical Engineering Program, Alberto Luiz Coimbra Institute of Graduate Education and Research in Engineering, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

ID: 04029
Assessment Of Auditory Functions In Patients With Diabetes
Ebru Kara¹, Eyyup Kara¹, Emine Deniz Gözen¹, Ahmet Ataş²
1) Department of Audiology, Faculty of Health Sciences, Istanbul University-Cerrahpaşa, Istanbul, Turkey 2) Department of Otolaryngology, Cerrahpaşa Medical Faculty, Istanbul University-Cerrahpaşa, Istanbul, Turkey

ID: 04043
EEG findings in different listening condition of individuals who have normal hearing.
Ebru Zeren¹, Nurhan Erbil¹, Meral Didem Türkyılmaz¹
1) Department of Audiology, Hacettepe University

ID: 04056
ABR in preschool children with speech disorders
Ivana Aras¹, Sanja Vlahović¹, Siniša Stevanović¹, Tereza Cvjetko¹
1) SUVAG Polyclinic Zagreb
2) Clinical Hospital "Sisters of Mercy"
Objective measures of the auditory discrimination abilities in young children with CI
Paulina Paluch¹, Bartosz Kochański¹, Małgorzata Ganc¹, Jakub Wojciechowski¹², Rafał
Milner¹, Henryk Skarżynski¹
1) Institute of Physiology and Pathology of Hearing, Warsaw, Poland
2) Nencki Institute of Experimental Biology, Warsaw, Poland

Adults Cochlear Implant (Bionic Ear) Users, Effect On Signal To Noise Ratio In
Investigation Of The Auditory Cortical Responses
Halide C.KARA¹, Eyyup KARA¹, Ahmet ATAS¹, E.Deniz GOZEN¹
1) Department of Otolaryngology, Cerrahpaşa Medical Faculty, Istanbul University-Cerrahpaşa,
Istanbul, Turkey
2) Department of Audiology, Faculty of Health Sciences, Istanbul University-Cerrahpaşa,
Istanbul, Turkey

C-VEMP Test Parameters in Patients with Motion Sickness: Latency, Amplitude and
Asymmetric Ratio
Ahsen Kartal¹, Büşra Uludağ¹, Merve Meral¹, Ümit Can Çetinkaya¹, Eyup Hakan Şafakoğlu¹,
Betül Tekinay¹, Mustafa Mola¹, Inci Adali¹, Özlem Konukseven¹
1) Audiology Department, Faculty of Health Sciences, Istanbul Aydın University

Electrophysiological characteristics in children with listening difficulties, with or without
auditory processing disorder
Tone Stokkereit Mattsson¹, Ola Lind³, Turid Follestad³, Kjell Grøndahl³, Wayne
Wilson¹, Ståle Nordgård³, Stein Andersson¹
1) Ålesund Hospital

A functional model for understanding the "process" of processing
Jeanane Ferre¹
1) Jeanane M Ferre, PhD

Beyond preferential seating: deficit-specific management strategies for central auditory
processing disorders (CAPDs)
Jeanane Ferre¹
1) Jeanane M Ferre, PhD

The M3 model for treating central auditory processing disorders
Jeanane Ferre¹
1) Jeanane M Ferre, PhD

Evaluation of Central Auditory Processing in Normal Hearing Young Adults by Using
Dichotic Listening Tasks in Turkish Language
NURİYE YILDIRIM¹, BÜLENT GÜNDÜZ¹
1) Gazi University, Audiology Department

ID: 04084
The Cantonese Pediatric Lexical Tone Dichotic Listening Test-CaPeLeToDLT detects abnormal auditory processing and within-participant ear advantage in very young children
K. C. P. Yuen¹,², C. C. Y Mak¹, F. K. H. Fung¹, H. Y. Mou³, C. M. K. Cheung¹, X. Y. Qiu¹,², S. K. L. Sam¹
1) Department of Special Education & Counselling, The Education University of Hong Kong
2) Integrated Centre for Well-Being, The Education University of Hong Kong
3) Bionic Ear and Sound Technology Laboratory, Shanghai Acoustics Laboratory, Chinese Academy of Sciences, Shanghai, China

ID: 03892
Auditory Processing Disorder in children: interest of a multidisciplinary assessment
Isabelle Rouillon¹, Aude De Lamaze¹, Marlène Ribot¹, Gregory Collet², Marine Parodi¹, Françoise Denoyelle¹, Natalie Loundon¹
1) 1 Service d'ORL pédiatrique et de Chirurgie Cervico-faciale. Necker Enfant-Malades, AP-HP, Paris, France
2) 2 Faculté des Sciences Psychologiques et de l'Éducation, Université libre de Bruxelles, Belgique

Free Paper 16 - Hearing and Cognition
Small Auditorium, Friday 24th May, 17:30-19:00

ID: 03802
The Effect Of Hearing Aid Use In Older Adults On Auditory Processing, Cognition And Gait
Limor Lavie¹⁰, Hussam Abu Jaber¹⁰, Ismael Abu Freh¹⁰, Maayan Agmon¹⁰
1) University of Haifa

ID: 03823
The link between hearing loss, vestibular loss and cognition
Bieke Dobbels¹⁰, Griet Mertens¹⁰, Annick Gilles¹⁰, Julie Moyaert¹⁰, Raymond Van de Berg¹⁰, Olivier Vanderveken¹⁰, Paul Van de Heyning¹⁰, Vincent Van Rompaey¹⁰
1) University Hospital of Antwerp

ID: 03938
Effects of task difficulty and signal processing on recall performance and recall strategy
Andreea Micula⁷, Elaine Ng⁷, Fares El-Azm⁷, Jerker Rönberg⁷
1) Oticon A/S 2) Linnaeus Centre HEAD, Swedish Institute for Disability Research 3) Department of Behavioural Sciences and Learning, Linköping University

ID: 03962
Development of computer based cognitive screening tool for the hearing impaired older adult population
Nattawan Utoompurkporn¹², Sergi Costa Freda Gonzalez³, Joshua Stott⁴, Doris Eva Bamiou¹
1) UCL ear institute ,University College London
2) Faculty of Medicine,Chulalongkorn university
3) Division of psychiatry, Faculty of brain science, University College London
4) Division of psychology and language science, Faculty of brain science, University College London

ID: 03995
Can you feel the effort? Listening in ecologically relevant environments
Annelies Devesse⁷, Astrid van Wieringen⁷, Jan Wouters⁷
1) KU Leuven, Department of Neurosciences - ExpORL, Hereistraat 49 bus 721 3000 Leuven, Belgium
‘Will hearing and vision enhancement improve outcomes for people with dementia?’
Iracema LeroiUnive, Zoe SimkinUnive, Emma HooperUnive, Anna Pavlina CharalambousEurop, Chryssoula ThodiEurop
1) University of Manchester 2) European University Cyprus

Free Paper 17 - Hearing Aids
Meeting Room 1, Friday 24th May, 09:00-10:30

Hearing aid processing strategies for listeners with different auditory profiles: Insights from the BEAR project
Mengfan Wu1, Raul Sanchez-Lopez2, Mouhamad El-Haj-Ali1, Silje Grini Nielsen2, Michal Fereczkowski2, Federica Bianchi2, Torsten Dau2, Sébastien Santurette2,3, Tobias Neher1
1) Institute of Clinical Research, University of Southern Denmark, Odense, Denmark
2) Hearing Systems Group, Dept. of Health Technology, Technical University of Denmark, Kgs. Lyngby, Denmark
3) Oticon A/S, Smørum, Denmark

Speech intelligibility and loudness perception in realistic auditory scenes with the trueLOUDNESS fitting method
Florian Kramer1, Dirk Oetting2, Ania Warzybok1, Marc René Schädler1, Volker Hohmann1
1) Department of Medical Physics and Acoustics and Cluster of Excellence "Hearing4all", Carl von Ossietzky University, Oldenburg, Germany
2) HörTech gGmbH, Oldenburg, Germany

Towards a French language version of the Satisfaction with Amplification in Daily Life questionnaire (SADL)
Mathieu Ferschneider1,2, Alexane Hochart3,4, Brieux Cazals3,4, Nicolas Henriot3,4, Annie Moulin1
1) Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team (DYCOG), Perception, Attention and Memory group (PAM), Inserm U1028, CNRS UMR 5292, University of Lyon, F-69000 Lyon, France,
2) Audition Conseil, Lyon, France,
3) Université C. Bernard Lyon 1, Lyon, France
4) Institut des Sciences et Technologies de Réadaptation (ISTR), University of Lyon, Lyon, France.

A study of better hearing rehabilitation in Denmark (the BEAR project)
Dorte Hammershøi
1) Aalborg University

Investigation of the Hearing Aid User Satisfaction Levels and Performance in Noise Reprogrammed Based on Real Ear Measurement (REM)
Gokce GultekinUskud, Zahra Polatİstanbul, Ahmet Atasİstanbul
1) Uskudar University Faculty of Health Sciences, Department of Audiology, Istanbul, Turkey
2) Istanbul University-Cerrahpasa, Faculty of Health Sciences Department of Audiology, Istanbul, Turkey
3) Istanbul University-Cerrahpasa, Medical Faculty, Department of Otolaryngology, Head and Neck Surgery, Istanbul, Turkey

Real ear unaided response (Reur) and real ear coupler difference (Recd) in patients with tympanic membrane perforations
Franz Zenker Castro, Jose Juan Barajas de Prat
1) Clinica Barajas, Santa Cruz de Tenerife, Spain

ID: 04116
Audiology with two ears: Does binaural hearing influence the loudness mismatch between free-field and headphone presentation?
Florian Denk¹, Michael Kohnen², Josep Llorca Bofir², Michael Vorländer², Birger Kollmeier¹
1) Medizinische Physik and Cluster of Excellence Hearing4all, University of Oldenburg, Germany
2) Institute of Technical Acoustics, RWTH Aachen University, Germany

ID: 04118
Loudness matching to measure spectral and binaural loudness summation in bilateral hearing aid fittings.
Monique Boymans¹, Maarten van Beurden¹, Dirk Oetting³, Hö, Birger Kollmeier⁴, Me, Wouter Dreschler⁴, Ac
1) Academic Medical Center, Department of Clinical & Experimental Audiology, Amsterdam, The Netherlands
2) Libra Rehabilitation & Audiology, Eindhoven, The Netherlands
3) HörTech gGmbH and Cluster of Excellence Hearing4all, Oldenburg, Germany
4) Medizinische Physik, Universität Oldenburg, Oldenburg, Germany

Free Paper 18 - Implantable hearing devices
Meeting Room 1, Friday 24th May, 15:30-17:00

ID: 03859
Measuring aided thresholds with active middle ear implants
Bernd Waldmann¹
¹) Cochlear

ID: 03972
Do ambient pressure changes impact coupling efficiency of a middle ear implant actuator?
U. A. Gamm¹,², H. Maier¹
1) Dept Otolaryngology, Hannover Medical School, Hannover, Germany
2) Cochlear Ltd., Sydney, Australia

ID: 03973
Actuator performance for different coupling configurations of the Cochlear™ Carina® active middle ear implant
U. A. Gamm¹,², H. Maier¹
1) Dept Otolaryngology, Hannover Medical School, Hannover, Germany
2) Cochlear Ltd., Sydney, Australia

ID: 03988
Intraoperative determination of the coupling efficiency of the middle ear implant Carina(R) by means of auditory evoked potentials
Mario Cebulla¹, Rudolf Hagen¹, Kristen Rak¹, Ute Geiger¹
1) Department of Otorhinolaryngology, Plastic, Aesthetic and Reconstructive Head and Neck Surgery, University of Würzburg, Germany

ID: 04007
Sound source localization in patients with cochlear implant and hearing aid with harmonized temporal processing of sound signals
Josef Seenacher¹, Patrick Zorowka¹, Kurt Stephan¹
1) Department for Hearing, Speech and Voice Disorders, Medical University of Innsbruck

ID: 04067
Marker for Microstructure destruction of Cochlea with Slim Perimodiolar Cochlear Implant Electrode Array
Roland Nagy¹, János András Jarabin¹, Balázs Dimák¹, Ádám Perényi¹, Csanády Miklós¹, József Jóri¹, József Géza Kiss¹, László Rovó¹
1) Department of Oto-Rhino- Laryngology and Head- Neck Surgery, University of Szeged, Szeged, Hungary

ID: 04074
Case Report of the Change in In-situ Microphone Sensitivity of a Patient implanted with a Fully-Implantable Middle Ear Implant
D'hondt Christiane¹, Wouters Jan¹, Verhaert Nicolas¹,²
1) KU Leuven, University of Leuven, Department of Neurosciences, Research Group ExpORL, Leuven, Belgium
2) University Hospitals Leuven, Department of Otology, Head and Neck Surgery, Leuven, Belgium
3) Cochlear Technology Centre Belgium, Mechelen, Belgium

Free Paper 19 - Vestibular disorders, diagnosis and therapy II
Meeting Room 1, Friday 24th May, 17:30-19:00

ID: 03762
Skull Vibration-Induced Nystagmus Test (SVINT) a vestibular Weber
Solara Sinno¹, Kim Abouchacra², Philippe Perrin², Georges Dumas²
1) Université de Lorraine

ID: 03786
Feasibility of extensive vestibular assessment in young children: recommendations for clinical practice
Leen Maes¹,², Ingeborg Dhooge¹,², Cleo Dhondt³
1) Ghent University 2) Ghent University Hospital

ID: 03788
Psychometric Properties of Dual-task Studies with the Aim of Developing a Test Protocol for Vestibular-Impaired Patients: a Systematic Review
Maya Danneels¹,², Ruth Van Hecke¹,², Hannah Keppler¹,², Sofie Degeest¹,², Dirk Cambier¹,², Raymond van de Berg¹,², Vincent Van Rompaey¹,², Leen Maes¹,²
1) Ghent University
2) Ghent University Hospital
3) Maastricht University Medical Center
4) Tomsk State Research University
5) Antwerp University Hospital 6) University of Antwerp

ID: 03809
The Evaluation of Postural Stability with Wii-Fit Plus in Children with Specific Learning Disabilities
Mustafa KARABULUT¹, Banu BAS¹, Banu MUJDECI²
1) Ankara Yıldırım Beyazıt University

ID: 03829
Combined program of aerobic and strength exercise training Effects on Postural Control in Elderly
Paulo Carmo¹,², Adjane César², Rubim Santos¹, Joana Carvalho²
1) Escola Superior de Saúde do Politécnico do Porto 2) Faculdade de Desporto da Universidade do Porto

ID: 03830
Combined program of aerobic and strength exercise training Effects on modified Clinical Test Sensory Interaction on Balance in Elderly
Paulo Carmo\textsuperscript{1,2}, Adjane César\textsuperscript{2}, Rubim Santos\textsuperscript{1}, Joana Carvalho\textsuperscript{1}
1) Escola Superior de Saúde do Politécnico do Porto
2) Faculdade de Desporto da Universidade do Porto

ID: 03833

Vestibular function in children with congenital cytomegalovirus infection: Results of 2.5 years of follow-up
Cleo Dhondt\textsuperscript{1,2} Ghent, Leen Maes\textsuperscript{1,2} Ghent, Sarie Martens\textsuperscript{1,2} Ghent, Lotte Rombauts\textsuperscript{1,2} Ghent, Saartje Vanaudenaerde\textsuperscript{1,2} Ghent, Helen Van Hoecke\textsuperscript{1,2} Ghent, Els De Leenheer\textsuperscript{1,2} Ghent, Ingeborg Dhooge\textsuperscript{1,2} Ghent
1) Ghent University 2) Ghent University Hospital

ID: 03893

The Effect Of The Changes In The Visual System On Balance In Strabismus Patients
Serpil Hülya Ahmet\textsuperscript{1,2} Bahçeşehir University, Emin Karaman\textsuperscript{1,2} Istanbul University- Cerrahpasa, Zahra Polat\textsuperscript{1,2} Istanbul University- Cerrahpasa, Birsen Gökyiğit\textsuperscript{1,2} Prof Dr N Res¸at Belger Beyoglu Education and Research Eye Hospital, Sibel Ahmet\textsuperscript{1,2} Istanbul University, Ahmet Ataş\textsuperscript{1,2} Istanbul University
1) 1-Department of Audiology and Phoniatrics, The Children’s Memorial Health Institute, Al Dzieci Polskich 20; 04-730 Warsaw, Poland
2) 2-Department of Rehabilitation, The Children’s Memorial Health Institute, Al Dzieci Polskich 20; 04-730 Warsaw, Poland

Free Paper 20 - Genetics
Meeting Room 2, Friday 24th May, 09:00-10:30

ID: 03960

Axenfeld-Rieger syndrome: a rare cause of hearing loss.
Ana Sousa Menezes\textsuperscript{1}, Daniela Ribeiro\textsuperscript{1}, Ana Fernandes\textsuperscript{1,2}, Vanessa Machado\textsuperscript{1,2}, António Lima\textsuperscript{1,2}, Luís Dias\textsuperscript{1,2}
1) Hospital de Braga

ID: 04044

Hearing Loss And Connective Tissue Disorders In Stickler Syndrome
Célia Alcobia Gomes\textsuperscript{1}
1) Instituto Politécnico de Coimbra, ESTeSC-Coimbra Health School, Portugal

ID: 04059

Investigations on the genetic background of nonsyndromic hereditary hearing loss in cochlear implant patients in Hungary
József Géza Kiss\textsuperscript{1}, Attila Nagy\textsuperscript{1}, Dóra Török\textsuperscript{1}, Katalin Farkas\textsuperscript{1}, Nikolaett Nagy\textsuperscript{1}, Roland Nagy\textsuperscript{1}, Balázs Dimá\textsuperscript{1}, János András Jarabin\textsuperscript{1,3}, Mátra Szél\textsuperscript{1,3}, László Rovó\textsuperscript{1}
1) Department of Oto-Rhino- Laryngology and Head- Neck Surgery, University of Szeged, Szeged, Hungary
2) Department of Medical Genetics, University of Szeged, Szeged, Hungary
3) MTA-SZTE Dermatological Research Group, University of Szeged, Szeged, Hungary
4) Department of Medical Physics and Medical Informatics, University of Szeged, Szeged, Hungary

ID: 04066

Nonsyndromic High Frequency Progressive Hearing Loss: A Family Case Report
Burak Kabış\textsuperscript{1}, Songül Aksoy\textsuperscript{1}
1) Department of Audiology in Hacettepe University

Free Paper 21 - Other topics related to audiology I
Meeting Room 2, Friday 24th May, 11:00-12:30

ID: 03887
Otoprotective function of statins
Pattarawadee Prayuenyong1,2,3, Anand V Kasbekar1,2, David M Baguley1,2
1) Hearing Sciences, Division of Clinical Neuroscience, School of Medicine, University of
Nottingham, Nottingham UK
2) NIHR Nottingham Biomedical Research Centre, Nottingham UK
3) Department of Otorhinolaryngology Head and Neck Surgery, Faculty of Medicine, Prince of Songkla University,
Songkhla, Thailand

ID: 03939
Examination of Wideband Tympanometry (WBT) Parameters in Individuals with Healthy
Middle Ear.
Murat Sahin1, Songül AKSOY1
1) Hacettepe University

ID: 03965
Experiences of initiating ear and hearing care services in a remote region of the Nepalese
Himalayas
Sandra Eisner1,2, Dorchi Nuppa Bhote3
1) Hilfe die ankommt (Hda, Austria)
2) Nepal Lhomi Society (NELHOS, Nepal)

ID: 03985
Ear disease and hearing loss in patients attending ear surgery outreach camps in
western Nepal
Sandra Eisner1,2, Michael C.F. Smith3, Eka Dev Devkota3
1) International Nepal Fellowship (INF)
2) Ear Aid Nepal (EAN)

ID: 03996
Are we sure we are protecting our ears safely? Evaluation-study of Personal Hearing
Protection and Verification Procedures.
Mark Laureyns1,2, Inge Van Dyck2, Romy Hidding2, Kaat Vandervelden2, Eveline Coppens2
1) Amplifon Centre for Research & Studies, Milan, Italy
2) Thomas More University College - Audiology Departement, Antwerp, Belgium

ID: 04039
How professionals assess outcome in clinical hearing rehabilitation
Katia Lund1, Dorte Hammershøj2
1) Department of Electronic Systems, Aalborg University

ID: 04289
Cholesterol metabolism pathway involved in the recovery of NIHL in miniature pig
Weiju Han1, Na Sai1, Weiwei Guo1, Chaoying Tang1, Tong Zhang1, Linjun Chen1
1) Chinese PLA general hospital

Free Paper 22 - Hearing Screening
Meeting Room 2, Friday 24th May, 15:30-17:00

ID: 03759
Hearing loss in infants with evidence of congenital Zika Virus infection
Janett M.F.1, Paulo Cardoso Do Carmo2
1) Hospital Dr. Agostinho Neto, Praia, Cabo Verde
2) Centro Hospitalar Do Tâmega E Sousa, E. P. E., Portugal

ID: 03771
Irish Childhood Hearing and Vision Screening outcomes and Cohort Comparison with Preschool Specialist Referrals
Theresa Pitt-Byrne\textsuperscript{Audio}, Pauline Roche\textsuperscript{Publi}
1) Wexford Community Audiology and Nursing Services

ID: 03794
Risk Factors for Hearing Loss in Children
Janett M.F.\textsuperscript{1}, Paulo Cardoso Do Carmo\textsuperscript{2}
1) Hospital Dr. Agostinho Neto, Praia, Cabo Verde
2) Centro Hospitalar Do Tâmega E Sousa, E. P. E., Portugal

ID: 03876
Universal Neonatal Hearing Screening: are we following the right path? How to improve it.
António Lima\textsuperscript{Hosp}, Filipa Moreira\textsuperscript{Hosp}, Acácia Silva\textsuperscript{Escol}, Ana Menezes\textsuperscript{Hosp}, Isabel Costa\textsuperscript{Hosp}, Luís Dias\textsuperscript{Hosp}
1) Hospital de Braga

ID: 03976
Metrics Reported From Neonatal Hearing Screening Programmes Across Europe
Allison Mackey\textsuperscript{1}, Andrea Bussé\textsuperscript{2}, Inger Uhlén\textsuperscript{1}, Hans Hoeve\textsuperscript{2}, André Goedegebure\textsuperscript{2}, Herbert Simonsz\textsuperscript{3}, EUS€REEN Foundation\textsuperscript{4}
1) CLINTEC, Division of ENT Diseases, Karolinska Institutet, Stockholm, Sweden
2) Dep. of ORL and Head and Neck Surgery, Erasmus Medical Centre, Rotterdam, the Netherlands
3) Dep. of Ophthalmology, Erasmus Medical Centre, Rotterdam, the Netherlands
4) The EUS€REEN foundation consists of the Country Representatives of the 41 countries in Europe

ID: 03977
Inventory of hearing screening programmes across Europe
Andrea Bussé\textsuperscript{1}, Allison Mackey\textsuperscript{2}, Hans Hoeve\textsuperscript{1}, André Goedegebure\textsuperscript{1}, Herbert Simonsz\textsuperscript{3}, EUS€REEN Foundation\textsuperscript{4}
1) Dep. of ORL and Head and Neck Surgery, Erasmus Medical Centre, Rotterdam, the Netherlands
2) CLINTEC, Dev. of ENT diseases, Karolinska Institutet, Stockholm, Sweden
3) Dep. of Ophthalmology, Erasmus Medical Centre, Rotterdam, the Netherlands
4) The EUS€REEN foundation consists of the Country Representatives of the 41 countries in Europe

ID: 04054
Ten year experience of audiological screening in people with an intellectual disability: European data
Melina Willems\textsuperscript{1,2}, Leen Maes\textsuperscript{3,4}, Laura Leyssens\textsuperscript{3}, Gerlant van Berlaer\textsuperscript{5}, Bjoern Koehler\textsuperscript{6}, Luc Marks\textsuperscript{1}
1) Artevelde University of Applied Sciences, Audiology Department, Ghent, Belgium
2) Global Clinical Advisor Special Olympics Healthy Hearing Programme
3) Ghent University, Department of Rehabilitation Sciences, Ghent, Belgium
4) Ghent University Hospital, Ear Nose Throat Department, Ghent, Belgium
5) University Hospital Brussels, Department of Emergency Medicine, Brussels, Belgium
6) Special Olympics Europe/Eurasia, Brussels, Belgium
7) Oral Health in Special Needs, Ghent University Hospital, Ghent, Belgium

ID: 04112
Risk Indicators For Pediatric Hearing Loss: What We Found In 10 Years Of Universal Hearing Screening Program
Ana Catarina Santos\textsuperscript{1}, Ana Silva\textsuperscript{1}, Tânia Delgado\textsuperscript{1}, Joana Luís\textsuperscript{1}, Pedro Brazão\textsuperscript{1}, Maria Luísa
Monteiro\textsuperscript{1}
1) Hospital Lusíadas Lisboa

ID: 04123
**New tracking software and explanation of underlying functionality in Newborn Hearing Screening**
Peter Böttcher\textsuperscript{1}, Orieta Palacios\textsuperscript{2}, Peter Matulat\textsuperscript{3}
1) PATH MEDICAL GmbH
2) Hospital Dr. Sotero del Río, Santiago de Chile
3) Department for Phoniatrics and Pedaudiology, University Hospital of Münster

Universal Neonatal Hearing Screening: A tool of social (in)justice?
Ana Jardim\textsuperscript{4}, Diogo Ribeiro\textsuperscript{5}, Luísa Monteiro\textsuperscript{Lusia}, José Saraiva\textsuperscript{CUF D}
1) CUF Descobertas Otorhinolaryngology Department
2) University Clinical Center of Otorhinolaryngology of Hospital CUF Infante Santo
3) NOVA Medical School, Universidade Nova de Lisboa
4) Lusíadas Hospital Otorhinolaryngology Department

Free Paper 23 - Otoacoustics emissions and Screening
Meeting Room 2, Friday 24\textsuperscript{th} May, 17:30-19:00

ID: 03842
**Development of new screening taste test**
Henryk Skarzynski\textsuperscript{1}, Marcin Wojciechowski\textsuperscript{1}, Bartłomiej Krol\textsuperscript{1}, Piotr Henryk Skarzynski\textsuperscript{1,2,3}
1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Kajetany / Warsaw, Poland 2) Institute of Sensory Organs, Warsaw / Kajetany, Poland 3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03843
**Development of new screening smell test**
Henryk Skarzynski\textsuperscript{1}, Marcin Wojciechowski\textsuperscript{1}, Bartłomiej Krol\textsuperscript{1}, Piotr Henryk Skarzynski\textsuperscript{1,2,3}
1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03886
**Otoacoutic emissions and cochlear microphonic = a non-invasive measurement of intracranial or intralabyrinthine pressure changes**
Fabrice GIRAUDET\textsuperscript{1}, Paul AVAN\textsuperscript{1}
1) Laboratory of Neurosensory Biophysics, UMR INSERM 1107, School of Medecine, University Clermont Auvergne, Clermont-Ferrand, France

ID: 03920
**Influence of Auditory Selective Attention on Cochlear Responses in Humans.**
Annie Moulin\textsuperscript{1}, Marina Cappai\textsuperscript{1}, Marta Partyka\textsuperscript{1}, Nicolas André\textsuperscript{1}, Patrick Bouchet\textsuperscript{1}, Aurélie Bidet-Caulet\textsuperscript{1}
1) Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team (DYCOG), Perception, Attention and Memory group (PAM), Inserm U1028, CNRS UMR 5292, University of Lyon, F-69000 Lyon, France

ID: 04001
**New aproach in avaliation of endolymphmatic hydrops**
Andreia Rodrigues\textsuperscript{1}, Raul Pacheco\textsuperscript{2}
1) Hospital da Luz Arrábida 2) Hospital da Misericórdia de Vila Verde

Free Paper 24 - Screening
Main Auditorium, Saturday 25th May, 11:00-12:30

ID: 03769
**Vestibular Infant Screening-Flanders (VIS-Flanders): Part 2: Preliminary results of a standard vestibular screening protocol for hearing-impaired children in Flanders.**

Sarie Martens¹, Ingeborg Dhondt²,³, Cleo Dhondt³, Marieke Sucaet¹, Saartje Vanaudenaerde², Lotte Rombaut², Leen Maes¹,²

1) Faculty of Medicine and Health Sciences, Department of Rehabilitation Sciences, Ghent University, Ghent, Belgium
2) Department of Oto-rhino-laryngology, Ghent University Hospital, Ghent, Belgium
3) Faculty of Medicine and Health Sciences, Department of Head and Skin, Ghent University, Ghent, Belgium

ID: 03770
**Vestibular Infant Screening-Flanders (VIS-Flanders): Part 1: Implementation and rationale of a standard vestibular screening protocol for hearing-impaired children in Flanders.**

Leen MaesGhent¹, Sarie MartensGhent¹, Cleo DhondtGhent³, Marieke SucaetGhent¹, Saartje VanaudenaerdeGhent², Lotte RombautGhent², Ingeborg DhondtGhent³

1) Ghent University
2) Ghent University Hospital

ID: 03844
**First Polish screening questionnaire of vestibular symptoms**

Piotr Henryk Skarzynski¹,²,³, Grazyna Tacikowska¹, Magdalena Sosna¹, Katarzyna Pietrasik¹, Marcin Wojciechowski¹, Anna Ratusniak¹

1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03845
**Capsule of sense examination – new device for screening test of sensory organs**

Henryk Skarzynski¹, Marcin Wojciechowski¹, Piotr Henryk Skarzynski¹,²,³

1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03858
**The essence of implementing screening programs - 20 years of experience**

Piotr Henryk Skarzynski¹,²,³, Krzysztof Kochanek¹, Weronika Swierniak¹, Justyna Kutyba¹, Katarzyna Cywka¹, Henryk Skarzynski¹

1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03865
**16 years of the Polish Universal Neonatal Hearing Screening Program**

Anna Gasińska¹, Grażyna Greczka¹, Piotr Dąbrowski¹, Małgorzata Wierzbicka¹, Witold Szyfter¹

1) Department of Otolaryngology and Oncological Laryngology, University of Medical Sciences, Poznań, Poland

ID: 03866
**Automated auditory brainstem response - pilot screening program in selected NICU units in Poland**

Grażyna Greczka¹, Katarzyna Wróblewska-Seniuk², Beata Tomczyk³, Ilona Korczak⁴, Piotr
Hearing screening with the Digits-in-Noise: Stages of change and effect of decision support on uptake of intervention
Karina De Sousa1, Danielle Schörnborn1, David Moore2, De Wet Swanepoel1
1) University of Pretoria

Intelligent games in audiological rehabilitation: the Pirates game
Astrid van Wieringen1, Sara Magits2, Sam Denys2, Tom Francart2, Jan Wouters2
1) KU leuven

Validation of the Polish Sentence Matrix test: sensitivity, specificity, and discrimination accuracy in different masking conditions
Anna Pastusiak1, Jędrzej Kociński1, Anna Warzybok2
1) Institute of Acoustics, Adam Mickiewicz University, Poznan, Poland
2) Medizinische Physik and Cluster of Excellence Hearing4all, CvO Universität, Oldenburg, Germany

Detecting supra-threshold deficits with easy-to-use speech-in-noise tests
Jaap Blok1, Cas Smits1, Theo Goverts1
1) Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Otolaryngology/Head and Neck Surgery, Ear and Hearing, de Boelelaan 1117, Amsterdam, The Netherlands

Open-set word lists development, using acoustic, psycholinguistics and psychometric factors.
Annie Moulin1, Nicolas Fourcaud-Trocmé2
1) Lyon Neuroscience Research Center, DYCOG/PAM team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France
2) Lyon Neuroscience Research Center, CMO team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France

Comparison of three calibration procedures for free field reference speech audiometry
Mieke Janssens1, Koenraad S. Rhebergen1
1) UMC Utrecht

Determination of the spectral resolution in patients after cochlear implantation
Marina Goykhburg1, Vigen Bakhshinyan1, Dmitry Nechaev2, Alexander Supin2, George Tavartkiladze1
1) National Research Center for Audiology and Hearing Rehabilitation 2) Institute of Ecology and Evolution
Auditory profiling as a tool for characterizing individual hearing deficits: Data-driven analysis of the results of the BEAR Test Battery.

Raul Sanchez-Lopez, Silje Grini Nielsen, Mouhamad El-Haj-Ali, Oscar Cañete, Mengfan Wu, Michal Fereczkowski, Federica Bianchi, Tobias Neher, Torsten Dau, Sébastien Santurette

1) Hearing Systems Section, Dept. of Health Technology, Technical University of Denmark, Kgs. Lyngby, Denmark
2) Institute of Clinical Research, Faculty of Health Sciences, University of Southern Denmark, Odense, Denmark
3) Oticon A/S, Smørum, Denmark

Noise reduction algorithm ForwardFocus—audiometric test results

Matthias Hey, Thomas Hocke, Britta Böhnke

1) ENT Clinic, Christian-Albrechts-University of Kiel, Kiel, Germany
2) Cochlear, Hannover, Germany

Validation of the Turkish Matrix Sentence Test in Noise

Meral Turkyilmaz, Bünyamin Çalış, Mehmet Yaral, Gonca Sennaroğlu, Kamil Adiloğlu, Anna Warzybok, Birger Kollmeier

1) Hacettepe University
2) HörTech gGmbH and Cluster of Excellence "Hearing4all"
3) Medical Physics, Department for Medical Physics and Acoustics, University of Oldenburg & Cluster of Excellence "Hearing4all"
4) Hörzentrum Oldenburg GmbH & Cluster of Excellence "Hearing4all"

Construction and validation process of a Hungarian speech recognition test

Rebeka Schulcz, Ádám Enreiter, Roland Nagy, Balázs Dimák, László Rovó, József Géza Kiss

1) University of Szeged, Department of Oto-Rhino-Laryngology and Head-Neck Surgery
2) Mediszintech Audiológia Kft.

Speech Discrimination in Noise: Auditory Implants Evaluation Protocol

Mafalda Bento, Cristina Miranda, Susana Oliveira, Maria Conceição Peixoto, Victor Correia da Silva

1) CUF Porto Hospital

Free Paper 26 - Vestibular disorders, diagnosis and therapy III

Small Auditorium, Saturday 25th May, 11:00-12:30

The Infra-Red Utilization In Therapy Of Meniere Disease

Elio Pagliarulo

1) S.Francesco Clinic, Department of Otolaryngology, Galatina, Lecce, Italy

Vestibular Rehabilitation and Table Tennis Exercises Might Improve Balance Function Even in Normal Population

Kerem Ersin, İlkınur Yaşak, Cem Yeral, Ahmet Öztürk, M. Bülent Şerbetçi

1) Istanbul Medipol University

Dynamic Posturography Rehabilitation Results of A Patient with Bilateral Vestibular
Loss: A Case Report
Emre GürsesHac, Öznur YiğitHac, Songül AksoyHac
1) Hacettepe University

ID: 04084
Vestibular rehabilitation in patients after vestibular schwannoma treatment
Tânia Delgado1, Joana Luís1, Ana Catarina Santos1, Mª Conceição Monteiro1
1) Hospital Lusíadas Lisboa, Portugal

ID: 04090
Evaluation Of Masseteric Vestibular Evoked Myogenic Potential (Mvemp) Result In Peripheralvestibulopathy Disease
Melih Basozİsan, Ozlem Konuksevenİsan
1) Istanbul Aydın University Health Sciences Institute Audiology Department

ID: 04091
Evaluation of the Effectiveness of Vestibulospinal Tests in Unilateral Vestibulopathy: A Preliminary Study
Emre GürsesHac, Esma AkışHac, Songül AksoyHac
1) Hacettepe University Department of Audiology

ID: 04095
Evaluation Of Hearing And Balance System In Childhood With Chronic Renal Failure
Ümit Can Çetinkaya1, Hüsnü Kayıkçı1, Merve Meral1, Ahsen Kartal1, Büşra Uludağ1, İnci Adali1, Özlem Konukseven1
1) Department of Audiology, Faculty of Health Sciences, Istanbul Aydin University

ID: 04100
Assessment of VHit and VNG Findings in Whirling Dervishes
Oznur Şamanİkarat, Ozlem Konuksevenİsan
1) İstanbul Aydin University

Free Paper 27 - Other topics related to audiology II
Meeting Room 1, Saturday 25th May, 09:00-10:30

ID: 03758
Hearing loss in subjects after meningitis
Janett M.F.1, Paulo Cardoso Do Carmo, P.2
1) Hospital Dr. Agostinho Neto, Praia, Cabo Verde
2) Centro Hospitalar Do Tâmega E Sousa, E. P. E., Portugal

ID: 03779
Hyperbaric oxygen therapy as a salvage treatment of sudden sensorineural hearing loss
Jakov AjdukDepar, Robert TroticDepar, Mihael RiesDepar, Andro KosecDepar, Iva KelavaDepar
1) Department of ENT and Head and Neck Surgery, Sestre Milosrdnice University Hospital Centre, Zagreb, Croatia

ID: 03783
A Case Report Of Deterioration Of Hearing After Hyperbaric Oxygen Therapy For Sudden Deafness
Ioannis Bardanis1, Konstantinos Panagiotidis1
1) General Hospital of ikaria, Greece

ID: 03787
The ototoxic potential of cobalt from metal-on-metal (MoM) hip implants: Objective auditory and vestibular outcome.
Laura LeyssensUniv, Bart VinckUniv, Catherine Van Der StraetenUniv, Koen De SmetANCA, Ingeborg DhoogeUniv, Floris L WuytsUniv, Hannah KepplerUniv, Sofie DegoeestUniv, Rebecca...
ID: 03853
Mastoid cavity obliteration with bioactive glass – a preliminary study
Piotr Henryk Skarzynski¹,²,³ Bartlomiej Krol¹, Marek Porowski¹, Henryk Skarzynski¹
1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03855
Audiometric results after stapedotomy with titanium prosthesis
Henryk Skarzynski¹, Bartlomiej Krol¹, Piotr Henryk Skarzynski¹,²,³
1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03868
Effects of treatment of acoustic accidents with N-Acetyl-L-cysteine (NAC)
Ulf Rosenhall¹Audio, Per Muhr¹Audio, Bjorn Skoog²Armed
1) University of Gothenburg

ID: 03885
Treatment options in otosclerosis
Thomas Rasse¹, Thomas Keintzel¹, Niederwanger Lisa¹, Müller Sophie¹
1) ENT departamento Klinikum Wels-Grieskirchen, Austria

Free Paper 28 - Tinnitus
Meeting Room 2, Saturday 25th May, 09:00-10:30

ID: 03773
Transcranial sound recordings as a screening tool in the clinical management of patients with pulsatile tinnitus.
S.W.J. Ubbink¹, R Hofman¹, P van Dijk¹,², J.M.C. van Dijk²
1) Department of Otorhinolaryngology/Head and Neck Surgery, University Medical Center Groningen, The Netherlands
2) Graduate School of Medical Sciences (Research School Behavioral Cognitive Neuroscience), University Medical Center Groningen, The Netherlands
3) Department of Neurosurgery, University Medical Center Groningen, The Netherlands

ID: 04040
Cortical Responses In Subjective Tinnitus Patients
Duygu Hayirⁱ, Zahra Polatⁱ, Ahmet Ataşⁱ
¹ Department of Audiology, Faculty of Health Sciences, Istanbul University-Cerrahpaşa, Istanbul, Turkey
² Department of Otolaryngology, Cerrahpaşa Medical Faculty, Istanbul University-Cerrahpaşa, Istanbul, Turkey

ID: 04052
Investigation of Mismatch Negativity Results Using Multi Feature Paradigm of Individuals with Subjective Tinnitus
Eser Sendesenʰacet, Didem Türkyılmazʰacet, Nurhan Erbilʰacet
ʰacet Department of Audiology, Cerrahpaşa Medical Faculty, Istanbul University-Cerrahpaşa, Istanbul, Turkey
1) Hacettepe University

ID: 04075
Prevalence and Severity of Tinnitus in a Representative Sample of 70 Year Olds
Maria Hoff1,2, Tomas Tengstrand2, André Sadeghi1,2, Ingmar Skoog3, Ulf Rosenhall1,2
1) Division of Audiology, Department of Health and Rehabilitation, Institute of Neuroscience and Physiology, University of Gothenburg, Sweden
2) Audiology Department, Habilitation and Health, Region Västra Götaland, Sweden
3) EPINEP Research Group, AgeCap Centre, Department of Psychiatry and Neurochemistry, Institute of Neuroscience and Physiology, University of Gothenburg, Sweden

ID: 04290
Hidden hearing loss (HHL) is a neglected cause of Tinnitus
Weidong Shen1
1) Chinese PLA General Hospital

Free Paper 29 - The smartphone revolution in audiology
Meeting Room 2, Saturday 25th May, 11:00-12:30

ID: 03812
Should we “swipe right” on app-based patient-provider communication?
Elizabeth Convery1, Margot McLelland1, Gitte Keidser1, Jennifer Groth2
1) Department of Audiology, National Acoustic Laboratories, Australia 2) GN ReSound, United States

ID: 03955
A Pilot Study Evaluating Recipient Experience and Clinical Impact with Cochlear’s™ Remote Check technology
Unai Martinez de Estibariz1, Kerri Millward1, Deborah Mawman1, Martin O'Driscoll1
1) Manchester University NHS Foundation Trust

ID: 04060
Investigation of Changes in Static Balance Parameters During Using of Smartphone
Emre OrhanGazi, Büşra AltınGazi, Songül AksoyGazi
1) Gazi University
2) Hacettepe University
**POSTER DISCUSSION**

**Poster Discussion 01**  
**Meeting Room 1, Thursday 23rd May, 11:00-12:30**

**ID: 03760 -P001**  
**Functional Head impulse test (f HIT test) with Acute vestibular syndrome (AVS)**  
Pusara Z.¹, Pejic, Z., Cvijic, M.

1) Hospital Gradiska ORL department, Public health institution, Hospital of Gradiška, Republic of Srpska.

**ID: 03819 - P002**  
**Relationships between postural stability in young people following late cochlear implantation (CI) and selected clinical and environmental factors**  
Anna Zwierzchowska, Aleksandra Żebrowska, Grzegorz Juras, Agata Kruzyńska

1) The Jerzy Kukuczka Academy Physical Education

**ID: 03832 - P003**  
**Life quality in patients with vertigo**  
Darija Birtic, Lana Kovac Bilic, Robert Trotic

1) University Hospital Center Osijek, Department of Otorhinolaryngology and Head and Neck Surgery  
2) University Hospital Center Zagreb, Department of Otorhinolaryngology and Head and Neck Surgery  
3) University Hospital Center Sestre Milosrdnice, Department of Otorhinolaryngology and Head and Neck Surgery

**ID: 03848 - P004**  
**Translation and adaption of the scale The Pediatric Vestibular Symptom Questionnaire into European Portuguese**  
Bárbara Carvalho, Margarida Serrano

1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal  
2) Hospital dos Lusíadas, Lisboa, Portugal

**ID: 03869 - P005**  
**Vestibular Dysfunctions: Comparison between patients with head and neck tumors and a control group**  
Ana Rita Nobre, Carla Silva, Júlia Guiomar, Tânia Martins

1) Otorhinolaryngology Service, Portuguese Oncology Institute of Coimbra Francisco Gentil, Portugal  
2) Instituto Politécnico de Coimbra, ESTESC – Coimbra Health School, Audiologia, Portugal

**ID: 03894 - P006**  
**Epley maneuver versus Semont maneuver for the treatment of benign paroxysmal positional vertigo: how different are they really?**  
Nikolaos Chatzakis, Dionisios Klonaris, Maria Douaptsi, Stylianos Velegrakis, Ioannis Vlastos, Emmanuel Prokopakis

1) Department of Otorhinolaryngology - Head and Neck Surgery, University of Crete School of Medicine, Heraklion, Crete, Greece  
2) Private Service
Profiling the dizzy patient in an Emergency Department
Dionisios Klonaris¹, Kalliopi Gkatzoudi², Ioanna Tsiligianni², Nikolaos Chatzakis¹, Stylianos Velegakis¹, Athanasia Milioni³, Emmanuel Prokopakis¹
1) Department of Otorhinolaryngology - Head and Neck Surgery, University of Crete School of Medicine, Heraklion, Crete, Greece
2) Clinic of Social and Family Medicine, University of Crete School of Medicine, Heraklion, Crete, Greece

Vestibular rehabilitation after cochlear implantation
Maria Araújo¹,², Luis Rama²,³, António Paiva⁴
1) Department of Audiology, Coimbra Health School - Polytechnic Institute of Coimbra
2) Faculty of Sports Science & Physical Education, University of Coimbra
3) Research Center for Sport & Physical Activity
4) Hospital and University Center of Coimbra

Vestibular Implants: Solution for the Increase of the Vestibulo-Ocular Reflex?
Mariana Gomes¹, Maria Inês Araújo¹, Cristina Nazaré¹
1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiolgia, Portugal

Binaural Speech Processing, Temporal Resolution And Reported Hearing Difficulties In Genetically Confirmed Friedreich's Ataxia Patients
Nehzat Koohi¹,², Paola Giunti³,⁴, Gilbert Thomas-Black³,⁴, Doris-Eva Bamiou¹,²
1) The Ear Institute, University College London
2) Neuro-otology Department, University College London Hospitals
3) Department of Clinical and Movement Neurosciences, Institute of Neurology, University College London
4) Ataxia Centre, National Hospital for Neurology and Neurosurgery

Experience with the N7-system (CP1000 speech processor)
H. Bagus, M.Kempkens, N. Partner, M. Seidel
1) Bagus GmbH & Co. KG, CIC Ruhr, Essen, Germany

Role Of Long-Term Vestibular Rehabilitation In a Patient With Posterior Fossa Tumor – A Case Report With A 2-Year of Follow-Up
Oğuz Yılmaz¹, Yuşa Başoğlu¹, İlayda Çelik¹, Mustafa Bülent Şerbetçioğlu¹
1) İstanbul Medipol University

Validation of the Polish version of the Dizziness Handicap Inventory
Ewa Zamyslowska-Szymtke¹, Sylwia Szostak-Rogula¹, Mariola Sliwinska-Kowalska¹ Dego
1) Nofer Institute of Occupational Medicine, Lodz, Poland

Clinical use of the Dizziness Handicap Inventory
Mariola Sliwinska-Kowalska¹
1) Nofer Institute of Occupational Medicine, Lodz, Poland

Evaluation Of Hearing Screening Results In Individuals Exposed To Occupational Noise
Sude Kaymakçılı, İrem Cavide Erol, Melek Kekül, Kübra Akdemir, Mustafa Bülent Şerbetçioğlu¹
1) İstanbul Medipol University
**UK first experience with Cochlear's Smart Bimodal Solution: Nucleus 7 and Enzo 3D**

John Smith, Jane Humphries

1) John Radcliffe Hospital Audiology Department

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**Parasisis n. facial as a result of otological complication -Case report**

Maja Jovanovic, Miroljub Todorovic, Vladimir R. Pavicevic, Aleksandra Lakovic-Tatar

1) RH "Danilo I"
Birgitta Tengroth\textsuperscript{1,3}, Anette Lohmander\textsuperscript{2}, Christina Hederstierna\textsuperscript{1,3}  
1) Department of Audiology and Neurotology, Karolinska University Hospital, 171 76 Stockholm Sweden  
2) Division of Speech and Language Pathology, Department of Clinical Science, Intervention and Technology Karolinska Institute, Stockholm, Sweden  
3) Division of ENT, Department of Clinical Science, Intervention and Technology Karolinska Institute, Stockholm, Sweden

ID: 03841 - P090  
Lithuanian speech audiometry test: the development of bisyllabic phonemically balanced word lists  
Vija Vainutienė\textsuperscript{1}, Eugenijus Lesinskas\textsuperscript{1}, Vytautas Kardelis\textsuperscript{2}  
1) Department of Ear, Nose and Throat diseases, Vilnius University Hospital Santaros Klinikos, Lithuania  
2) Department of Lithuanian language, Faculty of Philology, Vilnius University, Lithuania

ID: 03850 - P045  
Translation and adaption of the scale The Parents'Evaluation of Aural / Oral Performance of Children (PEACH) into European Portuguese  
Mafalda Faro\textsuperscript{Insti}, Rui Marques\textsuperscript{Insti}, Margarida Serrano\textsuperscript{Insti}  
1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal

ID: 03851 - P091  
A comparison of ASSR and pure tone thresholds in infants with unilateral hearing loss  
Ann Johansson\textsuperscript{Karol}, Christina Hederstierna\textsuperscript{Karol}, Birgitta Tengroth\textsuperscript{Karol}  
1) Karolinska University Hospital

ID: 03873 - P092  
Clinical ENT And Audiologic Findings In Neuroborreliosis  
Alen Sekelj\textsuperscript{ENT D}, Antoneta Gudelj\textsuperscript{ENT D}, Ivana Pajic-Matic\textsuperscript{ENT D}, Karolina Veselski\textsuperscript{ENT D}  
1) ENT Department, General Hospital „Dr. Josip Bencevic”, Slavonski Brod, Faculty of Medicine in Osijek, Croatia

ID: 03880 - P093  
A Unilateral Speech Perception Deficit Specific to Cocktail Party Noise after a Right Temporal Venous Infarct. A Case Study  
Annie Moulin\textsuperscript{2,5}, Julie Bourgeois–Vionnet\textsuperscript{1}, Marc Hermier\textsuperscript{4}, Agathe Pralus\textsuperscript{1,2,5}, Barbara Tillmann\textsuperscript{2,3}, Norbert Nighoghossian\textsuperscript{1,2,3}, Anne Caclin\textsuperscript{1,2}  
1) Lyon Neuroscience Research Center, DYCOG/PAM team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France  
2) Lyon 1 University, Lyon, France  
3) Stroke Department, Neurological Hospital, Hospices Civils de Lyon, Bron, France  
4) Neuroradiology Department, Neurological Hospital, Hospices Civils de Lyon, Bron, France  
5) Lyon Neuroscience Research Center, CAP team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France

ID: 03891 - P094  
Prevalence of Sensorineural Hearing Loss on Screening in Preschool Children - A 10 year Experience  
Sofia Fonseca\textsuperscript{Insti}, Cláudia Reis\textsuperscript{Insti}, Conceição Monteiro\textsuperscript{Hosp}, Luísa Monteiro\textsuperscript{Hosp}, Margarida Serrano\textsuperscript{Insti}  
1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal 2) Hospital dos Lusíadas, Lisboa, Portugal

ID: 03909 - P095  
Contextual effects of auditory information on the localization of visual moving stimuli  
Cristina Nazaré\textsuperscript{1,2}, Armando Oliveira\textsuperscript{2}  
1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal
2) Institute of Cognitive Psychology, University of Coimbra, Coimbra, Portugal

ID: 03911 - P046
Effect of bilirubin level on Auditory Brainstem Responses in Newborns: A case study
Emre OrhanDepar, Bülent GündüzDepar
1) Department of Audiology, Gazi University, Turkey

ID: 03918 - P089
Influence of design principles of word lists on speech in noise discrimination scores in a population of hearing-aid wearers
Mathieu FerschneiderKust, Stephane GallegoIns, Annie MoulinLyon
1) Audition Conseil, Lyon, France, 2) Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team (DYGCO), Perception, Attention and Memory group (PAM), Inserm U1028, CNRS UMR 5292, University of Lyon, F-69000 Lyon, France, 3) Université C. Bernard Lyon 1, Lyon, France, 4) . Institut des Sciences et Technologies de Réadaptation (ISTR), University of Lyon, Lyon, France.

ID: 03949 - P047
Quality of life of schoolchildren who use hearing aids
Angela Leusin Mattiazzifeder, Renata MachadoFeder, Laíza ChagasFeder, Eduarda Pazinifeder, Themis Kesslerfeder, Eliara Pinto Vieira Biaggiofeder
1) Postgraduate Program in Human Communication Disorders, Federal University of Santa Maria, Brazil.

ID: 04026 - P048
DANPE - Progressive sensorineural hearing loss in children: results from a project of international cooperation
Sirley CARVALHO1, Fabrice GIRAUDET2, Luciana M RESENDE1, Denise U GONÇALVES1, Ana C C GAMA1, Amélia A L FRICHE1, Stela M A LEMOS1, Erika PARLATO-Oliveirae, Lorena G BICALHO3, Ana L F REZENDE4, Ludmila LABANCA1, Paul AVAN2
1) Posgraduation Program of Phonoaudiology, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, MG, Brazil
2) Laboratory of Neurosensory Biophysics, UMR INSERM 1107, School of Medecine, University Clermont Auvergne, Clermont-Ferrand, France
3) Postgraduation Program of Pediatric, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, MG, Brazil
4) Université Paris Diderot, Paris, France

ID: 04062 - P096
Aging, Cognitive Decline and Hearing Loss
Tatiana MarquesIns, Ana CarvalhoIns, Carolina FernandesOuv
1) 1 Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal
2) 2 OuviSonus

Poster Discussion 03
Main Auditorium, Thursday 23rd May, 14:30-15:30

ID: 03808 - P017
Electrode Impedance Values And Postoperative Performances In Children With Cochlear Implants
Faris BRKICDepar, Sekib UMIHANICDepar, Lejla PIRICDepar, Alen HARCINOVICDepar, Fuad BRKICDepar
1) Department of Otorhinolaryngology, Head and Neck Surgery, Medical University of Vienna, Vienna, Austria
2) Department of Otorhinolaryngology, University clinical center Tuzla, Tuzla, Bosnia and Herzegovina
Treatment of deafness with the use of cochlear implants in children with severe heart defects after cardiac surgery
M. Smiechura¹, M. Struzycka¹, W. Konopka¹,²
1) Department of Otolaryngology, Polish Mother’s Memorial Hospital Research Institute, Lodz, Poland
2) Department of Paediatric Didactics, Medical University in Lodz, Poland

The Absence Of Intraoperative Neural Response During Cochlear Implantation: Doubtful Cases
Luís Castelhano¹, Rita Sousa¹, Carla Gonçalves², Ricardo Santos¹, Luís Reis¹, Assunção O’neill¹, Pedro Escada¹
1) Reference Center for Cochlear Implants - Department of Otolaryngology, Egas Moniz University Hospital, Lisbon, Portugal & NOVA Medical School, Lisbon, Portugal
2) Auditory Implants Audiologist, Widex

Assessment Of Music Perception Abilities For Pediatric Cochlear Implant Users And Normal Hearing Children
Eugenijus Lesinskas¹,², Donata Vaitkūnaitė¹, Vija Vainutienė¹, Jekaterina Byčkova²,³
1) Vilnius University Hospital Santaros Clinics, Department of ENT
2) Faculty of Medicine, Vilnius University 3) Children’s Hospital, Affiliate of Vilnius University Hospital Santaros Clinics

Electrode impedance changes in cochlear implant users
M. Zadrozniak¹, M. Szymanski³
1) Department and Clinic of Otolaryngology and Laryngological Oncology of Medical University of Lublin, Poland

Benefits after cochlear implantation – results from an observational study
J. Klatka¹, M. Zadrozniak¹, M. Szymanski³
1) Medical University of Lublin, Department of Otolaryngology and Laryngological Oncology, Lublin, Poland

Patients life quality after cochlear implantation
Katarzyna Przytuła-Kandzia¹, Lucyna Klimczak-Gołąb¹, Jarosław Markowski¹
1) Department of Laryngology, SPSKM Katowice, Medical University of Silesia, Katowice, Poland

Effects of the cochlear implantation on saccule and utricle function
Maria Araújo¹,², Luis Rama²,³, Antonio Paiva⁴
1) Department of Audiology, Coimbra Health School - Polytechnic Institute of Coimbra
2) Faculty of Sports Science & Physical Education, University of Coimbra
3) Research Center for Sport & Physical Activity
4) Hospital and University Center of Coimbra

Coffee Effects on the Auditory System
C. Almeida¹, C. Nazaré¹
1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiolgia, Portugal

Application of new virtual reality tools in rehabilitation of balance instability and vestibular dysfunction
Oskar Rosiak¹, Krzysztof Krajewski¹, Anna Gawrońska¹, Marcin Szczepaniak², Jarosław Walak³, Marek Woszczak³, Magdalena Jozefowicz-Korczynska¹
1) Balance Disorders Unit, Department of Otolaryngology Department, Medical University of Lodz, Poland
2) The Norbert Barlicki Memorial Teaching Hospital, Lodz, Poland

ID: 04160 - P30
Realization of International Healthy Hearing Program in Poland – Hearing screening evaluation in participants of Special Olympics with intellectual disability (ID)
Katarzyna Starska-Kowarska¹ Dep, Katarzyna Kolary II De, Michał Skóra² Dep
1) I Department of Otolaryngology and Laryngological Oncology, Medical University of Łódź, Kopcińskiego 22, 90-153 Lodz, Poland

Poster Discussion 04
Meeting Room 1, Friday 24th May, 11:00-12:30

ID: 03761 - P049
The long-term effect of unilateral and bilateral otitis media history on the central auditory nervous system
Milaine Sanfins¹, Caroline Donadon¹, Leticia Borges¹, Thalita Ubiiali¹, Maria Francisca Colell-Santos¹
1) Faculty of Medical Science, State University of Campinas, Campinas, Brazil

ID: 03763 - P088
Clinical implication of cochlear dead region in tinnitus-prospective study
Seog-Kyun Mun¹
1) Department of Otolaryngology-Head and Neck Surgery, Chung-Ang University, College of Medicine, Seoul, Korea

ID: 03775 - P060
Study of absolute ABR latencies in microcephalic children and intrauterine infection presumed by zika virus: review of 178 cases.
Daniela CapraIECPN¹, Caroline DonadoniUNICA², Fernanda FialhoIECPN³
1) Master. Otalaryngologist responsible for hearing assessment Zika Project, the State Institute of the Brain (IECPN-RJ), Rio de Janeiro - Brazil.
2) Master. Audiologist. Faculty of Medical Sciences of the State University of Campinas (Unicamp), Campinas - São Paulo - Brazil.
3) PhD. Pediatrician. Coordinator of the Zika Project of the State Brain Institute (IEC-RJ) - Rio de Janeiro – Brazil.

ID: 03777 - P063
The Innovative generator of the magnetic field in tinnitus treatment
Jurek Olszewski¹ Depar, Andrzej Kowalski¹ Depar, Wiesław SułkowskiIECPN³, Marzena Mielczarek³ Depar
1) Department of Otolaryngology, Laryngological Oncology, Audiology and Phoniatrics – Medical Univeristy of Lodz (Poland)

ID: 03781 - P049
Influence of stuttering on the P300
Cláudia Sofia Prata¹, Carla Matos Silva¹
1) Instituto Politécnico de Coimbra, ESTESC – Coimbra Health School, Audiologia, Portugal

ID: 03803 - P061
Audiological Evaluation In The Traumatic Brain Injury – Case Study
Caroline Donadon¹,², Natalie Ferazolli¹,², Reinaldo J Gusmão², Adriano Rezende¹, Piotr H
The long-term effect of unilateral and bilateral otitis media history on the central auditory nervous system
Milaine Sanfins\textsuperscript{2,3}, Caroline Donadon\textsuperscript{2}, Leticia Borges\textsuperscript{2}, Thalita Ubiali\textsuperscript{2}, Piotr Skarzynski\textsuperscript{4,5,6}
1) UNICAMP
2) Facultad of Medical Science, State University of Campinas, Brazil
3) Centro de Eletrofisiologia e Neuroaudiologia Avançada, São Paulo, Brazil
4) Institute of Physiology and Pathology of Hearing, Warsaw, Poland
5) Department of Heart Failure and Cardiac Rehabilitation, Warsaw, Poland
6) Instituto Nacional de Neurociência Translacional, Brazil

The importance of electrophysiological auditory evaluation in clinical practice: a case study.
Daniela Capra\textsuperscript{1}, Caroline Donadon\textsuperscript{2}, Natália Ferrazoli\textsuperscript{2}, Milaine Sanfins\textsuperscript{2}
1) Centro de Eletrofisiologia e Neuroaudiologia Avançada, CENA, Brasil.
2) Instituto Nacional de Neurociência Translacional, INNT, Brasil
3) Clínica Respirare, Departamento de Audiologia Clínica
4) Universidade Estadual de Campinas, UNICAMP, Brasil.

"Wave I amplitude": an invaluable index for the assessment of hidden hearing loss
Beaud Ludivine\textsuperscript{1}, Avan Paul\textsuperscript{1}, Giraudet Fabrice\textsuperscript{1}
1) Laboratory of Neurosensory Biophysics, UMR INSERM 1107, School of Medicine, University Clermont Auvergne, Clermont-Ferrand, France

Fast and robust objective hearing threshold estimation in infants with multiple Auditory Steady-state Responses (ASSR) to chirp stimuli
Roland Mühler\textsuperscript{1}, Jesko Verhey\textsuperscript{1}
1) Department of Experimental Audiology, University of Magdeburg, Germany

Mismatch Negativity in children with speech sound disorder
Eliara Pinto Vieira Biaggio\textsuperscript{UFSM}, Amália El Hatal de Souza\textsuperscript{UFSM}, Julia Dalcin Pinto\textsuperscript{UFSM}, Carolina Lisboa Mezzomo
1) Universidade Federal de Santa Maria (UFSM)

Analysis of the components of Frequency-Following Response in Phonological Disorders
Eliara Pinto Vieira Biaggio\textsuperscript{UFSM}, Lais Ferreira\textsuperscript{Unive}, Marileda Barichello Gubiani\textsuperscript{Unive}, Milaine Dominic Sanfins\textsuperscript{Unive}, Marcia Keske-Soares\textsuperscript{Unive}
1) Universidade Federal de Santa Maria (UFSM)

Sound Localization and Auditory Memory in right-handed and left-handed individuals
Catarina Santos\textsuperscript{1}, Cláudia Reis\textsuperscript{1}
1) Instituto Politécnico de Coimbra, ESTESC - Coimbra Health School, Audiologia, Portugal

ID: 04028 - P057

Simple screening questionnaire to detect hearing loss in children
Lorena Gabrielle Ribeiro Bicalho de Castro\textsuperscript{Unive}, Sirley Alves da Sikva Carvalho\textsuperscript{Unive}, Ana Cristina Cortes Gama\textsuperscript{Unive}, Marden C M Hott\textsuperscript{Unive}, Denise Utsch Goncalves\textsuperscript{Unive}, Luciana Macedo Resende\textsuperscript{Unive}, Amelia Augusta Friche\textsuperscript{Unive}, Aline Aparecida Lopes\textsuperscript{Unive}, Fabrice Giraudet\textsuperscript{Schoo}, Paul Avan\textsuperscript{Schoo}, Erika M Parlato oliveira\textsuperscript{Unive}

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2) Université Paris Diderot, Paris, France
3) School of Medecine, University Clermont Auvergne, Clermont-Ferrand, France

ID: 04055 - P058

Learning preferences and soundscapes through intelligent interfaces
R. Rossing\textsuperscript{1}, M. Korzepa\textsuperscript{2}, J.H. Christensen\textsuperscript{1}, B. Johansen\textsuperscript{2}, M.K. Petersen\textsuperscript{1}, J.E. Larsen\textsuperscript{2}, N.H. Pontoppidan\textsuperscript{1}

1) 1Oticon A/S, Eriksholm Research Centre, Snekersten, Denmark
2) 2Technical University of Denmark, department of DTU Compute, Lyngby, Denmark

ID: 04070 - P065

Oxford's experience with the Cochlear™ Carina® fully implantable middle ear implant
Jane Humphries\textsuperscript{Oxfor}

1) Oxford Auditory Implant Programme

ID: 04081 - P059

Evaluation of psychomotor development of children that were qualified for cochlear implantation
Małgorzata Ganc\textsuperscript{1}, Wieslaw Wiktor Jedrzejczak\textsuperscript{1}, Bartosz Kochanski\textsuperscript{1}, Joanna Kobosko\textsuperscript{1}, Paulina Faluch\textsuperscript{1}, Monika Lewandowska\textsuperscript{2}, Henryk Skarzynski\textsuperscript{1}

1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warszawa/Kajetany, Poland
2) Faculty of Humanities, Nicolaus Copernicus University, Torun, Poland

**Poster Discussion 05**
**Main Auditorium, Friday 24th May, 14:30-15:30**

ID: 03799 - P031

Central Auditory Processing In Singers With Complaint Of Difficulty In High Frequency Sounds Production
Loriane Gratão de Mesquita\textsuperscript{1,2}, Liliane Desgualdo Pereira\textsuperscript{1,3}, Gustavo Polacow Kom\textsuperscript{1,2}, Noemi Grigoletto de Biase

1) Universidade Federal de São Paulo- UNIFESP, State of São Paulo, Brazil
2) Department of Otorhinolaryngology and Head and Neck Surgery, Laryngeal and Voice Sector.
3) Department of Speech-Language Pathology and Audiology

ID: 03813 - P032

Deficits in auditory rhythm perception in children with Auditory Processing Disorder are unrelated to attention
Christos Sidiras\textsuperscript{AUTH}, Vasiliki Vivian Iliadou\textsuperscript{AUTH}, Ioannis Nimatoudis\textsuperscript{AUTH}, Manon Grube\textsuperscript{Newca}, Timothy Griffiths\textsuperscript{Newca}, Doris-Eva Bamiou\textsuperscript{Ear i}

1) Aristotle University of Thessaloniki, Medical School (AUTH)

ID: 03814 - P033

A retrospective study regarding APD battery test in children 5 and 6 year old
Anastasia Kostopoulou\textsuperscript{Depart}, Vivian Iliadou\textsuperscript{Depart}, Ioannis Nimatoudis\textsuperscript{Depart}, Doris-Eva Bamiou\textsuperscript{Ear i}

1) Department of Medicine, Aristotle University, Greece 2) Ear Institute, University College
Towards a French language Version of the Children’s Listening and Processing Skills Scale (ECLiPS).
Lou Seropian¹, Justine Popiel¹, Isabelle Soares-Boucaud¹², Annie Moulin¹
1) Lyon Neuroscience Research Centre, Brain Dynamics and Cognition Team (DYCOG), Perception Attention and Memory group (PAM), CNRS UMR5292, INSERM U1028, Claude Bernard Lyon 1 university, Lyon University, F-69000, Lyon, France 2) Centre de référence des troubles du langage, Le Vinatier Hospital, 95 Bd Pinel, 69675 BRON, France

Test-Retest Reliability of SinB as a Screening Tool for Auditory Processing Disorders
V. Sofokleous¹, M. Marmara¹, G. Panagiotopoulos¹, S. Mouza¹, M. Tsoidiou¹, A. Sereti¹, I. Grigorid¹, E. Petridis¹, A. Vasiliasd¹, D. Hatzopoulou¹, C. Sidrais¹, M. Tsiourdas¹, V.V. Iliadou¹
1) Medical School, Aristotle University of Thessaloniki, Greece.

Detection And Treatment Of Children With Auditory Processing Disorder In Republic Of Serbia
Neda Milosevic¹
1) Department of Speech and Language Pathology, College of Social Work, Belgrade, Republic of Serbia

Effect of Noise Exposure on Hearing of Pavilion Athletes
Andrea GouveiaInst¹, Angela MarquesInst¹, Guilherme FerreiraInst², Juliana PinhoInst², Rui CardosoInst², Jaime FigueiredoInst², Margarida SerranoInst²
1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal

Jeremie GinzburgLyö, Lauren ArgouarchLyö, Claire WadeLyö, Anne CaclinLyö, Isabelle Soares-BoucaudLyö, Annie MoulinLyö
1) Lyon Neuroscience Research Centre, Brain Dynamics and Cognition Team, Perception Attention and Memory group, CNRS UMR5292, INSERM U1028, Claude Bernard Lyon 1 university, Lyon University, F-69000, Lyon, France.

Audiovisual Training And Auditory-Only Training: Effects On Temporal Processing In Children With History Of Middle Ear Disease
Caroline Donadon¹, Milaine D Santins¹, Leticia R Borges¹, Maria Francisca Colella-Santos²
1) School of Medical Sciences, University of Campinas, Brazil 2) Department of Human Development and Rehabilitation, School of Medical Sciences, University of Campinas, Brazil

Residual hearing in cochlear implant patients with CI532 electrode
Diana Arweller-HarbeckDepar, Niklas RiemannDepar, Laura HollmannDepar, Judith ArnoldDepar, Stefan HansDepar, Heike BagusCoch, Sonja LudwigDepar
1) Department of Otorhinolaryngology University Hospital Essen University Duisburg Essen 2) Cochlear Implant Center CIC Ruhr Essen

Frequencial discrimination in musicians and non-musicians: an auditory electrophysiological response with the Mismatch Negativity

M. Smiechura¹, M. Struzycka¹, W. Konopka¹,²
1) Department of Otolaryngology, Polish Mother’s Memorial Hospital Research Institute, Lodz, Poland
2) Department of Paediatric Didactics, Medical University in Lodz, Poland

ID: 03856 - P067
Audiological Evaluation Of The Novel Bone Conduction Hearing Device Adhear In Patients With Conductive Hearing Loss
Piotr Henryk Skarzynski¹,²,³, Anna Ratusznia³, Bartłomiej Krol¹, Henryk Skarzynski¹
1) World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw / Kajetany, Poland
2) Institute of Sensory Organs, Warsaw / Kajetany, Poland
3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03877 - P075
The 15ISSQ, a 15 item SSQ short-form: Factor, Cluster, Reliability and Comparative Analyses
Annie Moulin¹,², Mathieu Ferschneider¹,²,³, Judith Vergne¹,², Stéphane Gallego²,³,⁴, Christophe Micheyl⁵,⁶,⁷
1) Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team (DYCOG), Perception, Attention and Memory group (PAM), Inserm U1028, CNRS UMR 5292, University of Lyon, F-69000 Lyon, France
2) Université C. Bernard Lyon 1, Lyon, France
3) Institut des Sciences et Technologies de Réadaptation (ISTR), University of Lyon, Lyon, France
4) Audition Conseil, Lyon, France
5) Starkey Hearing Technologies, Créteil, France
6) Lyon Neuroscience Research Center, Cognition and Auditory Perception Team (CAP), INSERM U1028, CNRS UMR 5292, Universit

ID: 03901 - P079
Pupillometry: new insights to effectively assess listening effort in hearing impaired people.
Lou Seropian¹,², Mathieu Ferschneider¹,²,³, Fanny Cholvy¹,², Stéphane Gallego²,³,⁴, Christophe Micheyl⁵,⁶,⁷, Annie Moulin¹,²
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ID: 03981 - P082
Rural worker's occupational exposure to agrochemicals, hearing screening and dosage of cholinesterase
Angela Leusin Mattiazzi Fede1, Jaíne Gabriela Frank Fede2, Jaqueline Luana Caye Fede3, Iara Denise Endruweit Battisti Fede

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ID: 04015 - P077
The cost-effectiveness of cochlear implantation in adults
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ID: 04018 - P069
Case Study - A Prescriptive Sound Amplification Method for Tinnitus Relief Using Hearing Aids
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ID: 04020 - P083
Early hearing detection – 10 years experience of a newborn hearing screening program in Hospital Lusíadas Lisboa
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ID: 04032 - P084
Tip fold-over detection in Cochlear Implantation: Case Series
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ID: 04061 - P076
How can we support hearing impairment in people with dementia? Perspectives from professionals, service users and care partners
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2) University of Manchester, Manchester, UK
3) Department of Health Sciences, European University of Cyprus, Nicosia, Cyprus
4) Université de Bordeaux, Bordeaux, France
5) Department of Physical Therapy, Azusa Pacific University, California, United States of America

ID: 04069 - P071
Involving older adults with dementia and hearing and/or vision impairments in a multi-site European research programme
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1) University of Manchester 2) Public Programmes Team 3) European University Cyprus

ID: 04072 - P072
Auditory screening at school age: about the grounds
Paula LopesEscol, Helena MoreiraEscol
1) Escola Superior de Saúde do Politécnico do Porto

ID: 04073 - P073
Carina changes in actuator impedance measurements, what does it mean for patients?
Jane HumphriesOxfor
1) Oxford Auditory Implant Programme

ID: 04087 - P080
Better Hearing Rehabilitation (BEAR) Study in Denmark: Introducing the Centralized Clinical Database
Gérard Loquet1,2, Vijay Narne3, Tobias Piechowiak4, Anne Wolff5, Sabina Storbjerg Houmøller3,6, Dan Dupont Hougaard1,5, Jesper Hvass Schmidt3,6, Dorte Hammershøi2
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ID: 04096 - P081
Bilateral Facial Paralysis As Initial Manifestation Of Wegener’s Granulomatosis
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1) RH "Danilo I"

ID: 04113 - P078
Electrophysiological Evaluation Of Hearing In Individuals With Vascular Loop Of Bilateral Antero Inferior Cerebellar Artery (Aica): Case Study
Natalia Ferrazoli1,2, Daniela Capra3,4, Reinaldo Jordão Gusmão1, Renata Unger Lavor1, Adriano Rezende1, P.H Skarzynski1, Caroline Donadon1,2, Milaine Dominici Santins1,4
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2) Universidade Estadual de Campinas, Brazil
3) Instituto Nacional de Neurociência Translacional, Brazil
4) Centro de Eletrofisiologia e Neuroaudiologia Avançada, Brazil
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6) Department of Heart Failure and Cardiac Rehabilitation, Warsaw, Poland
7) Institute of Sensory Organs, Warsaw, Poland

POSTERS
Evaluation of different AGC settings in bimodal cochlear implant subjects
Andreas Büchner\textsuperscript{Hanno}, Eugen Kludt\textsuperscript{Hanno}, Mark Schuessler\textsuperscript{Hanno}, Thomas Lenartz\textsuperscript{Hanno}
1) Hannover Medical School

Contralateral suppression or enhancement of otoacoustic emissions in elderly people
Maria Boboshko\textsuperscript{Labor}, Ekaterina Garbaruk\textsuperscript{Labor}, Maria Timofeeva\textsuperscript{Saint}
1) Laboratory of Hearing and Speech of Academician I.P. Pavlov First St. Petersburg State Medical University, St. Petersburg, Russia 2) Otorhinolaryngology Department of Northwest State Medical University named after I.I. Mechnikov, St. Petersburg, Russia 3) Saint-Petersburg Geriatric Medico-Social Center, Municipal Audiology Center, St. Petersburg, Russia

Validation of Lithuanian version of Hearing Handicap Inventory for the Elderly
Giedré Alzbutienė\textsuperscript{1}, Ingrida Uloziene\textsuperscript{1}, Gabriela Mačionytė\textsuperscript{1}
1) Department of Ear, Nose and Throat Diseases, Academy of Medicine, Lithuanian University of Health Sciences, Lithuania

Auditory profile of children with microcephaly and intrauterine infection presumed by Zika virus: analysis of 217 cases of the Brain Institute.
Daniela Capra\textsuperscript{IECPN}, Caroline Donadon\textsuperscript{UNICA}, Fernanda Fialho\textsuperscript{IECPN}
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3) PhD. Pediatrician. Coordinator of the Zika Project of the State Brain Institute (IEC-RJ) - Rio de Janeiro – Brazil.

The cross-check principle - current and necessary: case report.
Daniela Capra\textsuperscript{IECPN}, Caroline Donadon\textsuperscript{Clin}, Natália Ferrazoli\textsuperscript{Clin}, Milaine Sanfins\textsuperscript{Clin}
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Phonological Memory in Patients with Head and Neck Tumors
Natália Trigueiro\textsuperscript{Insti}, Flávia Pina\textsuperscript{Insti}, Ana Rita Nobre\textsuperscript{Insti}, Margarida Serrano\textsuperscript{Insti}
1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal 2) Instituto Português de Coimbra Francisco Gentil E. P. E., Portugal

Presentation of a questionnaire test made to assess the status of postlingually hearing impaired adult people
Alice Szamosközi\textsuperscript{1}, Roland Nagy\textsuperscript{1}, Balázs Dimák\textsuperscript{1}, László Rovó\textsuperscript{1}
1) Departament of Otorhinolaryngology and Head and Neck Surgery, University of Szeged

Elucidating pathological mechanisms of hearing loss induced by hypothyroidism using Duox2 mutant mice
Sera Park\textsuperscript{Bunda}, Jinwoong Bok\textsuperscript{Yonse}, Jae-Young Choi\textsuperscript{Yonse}
1) Bundang Jesaeng General Hospital, Daejin Medical Center
2) Yonsei University College of Medicine
ID: 03948 - P104
**The Effects of Auditory Deprivation on Visual Reaction Time and Language Abilities of Adolescents with and without Cochlear Implants**
Aleksandra Zebrowska¹, Beata Manowska¹, Agata Kruzynska², Edyta Tominska³, Anna Zwierzchowska⁴
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2) Department of Special Education, The Jerzy Kukuczka Academy of Physical Education, Poland
3) UER PS, Haute école pédagogique du canton de Vaud, Switzerland

ID: 04284 - P105
**A bio-inspired coding (BIC) strategy for cochlear implants**
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2) Laboratory of Experimental Audiology, ENT Department, University Hospital Zürich, Zürich, Switzerland
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ID: 03975 - P106
**Primary Hearing Health: action to raise awareness on secondary education**
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ID: 04025 - P107
**P300: hemispheric differences with verbal and non-verbal stimuli and age effect**
Rita Campos¹, Claudia Reis¹
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ID: 04038 - P109
**Usher Syndrome - Hearing And Balance Disorder Plus Visual Impairment**
Célia Alcobia Gomes¹
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ID: 04063 - P110
**A systematic review of cognitive assessments for people with acquired hearing impairment**
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ID: 03772 - P111
**Irish School Entry Screening and Referral Trends and Cohort Comparison with preschool Specialist referrals**
Theresa Pitt¹, Pauline Roche¹
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ID: 03913 - P112
**Analysis of the diagnostic results of children who have not passed the hearing screening test in PUNHSP**
Piotr Dąbrowski¹, Grażyna Greczka¹, Anna Gasinska¹, Małgorzata Wierzbicka¹, Witold Szyfter¹
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Thirteen year experience with BAH
Ana Campos, Diogo Ribeiro, Catarina Tinoco, Cristina Caroça, João Paço
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Impact of stroke on hearing ability
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Type 2 diabetes and hearing loss, but also possible auditory neuropathy! A French study
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Type 1 diabetes and the risk of incident hearing loss: A French study
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Audiological Evaluation Using Computational Methods
Fernanda Gentil, Marco Parente, Carla Santos, Bruno Areias, Renato Natal
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Auditory health of adolescents using personal stereo: an analytical study with questionnaire of inquiry
Daniela GOMIDE, Wanderleia QUINHONEIRO BLASCA
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Congenital hypothyroidism and cochlear disorders
Carolina Fernandes, Cristina Nazaré
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Glutathione - Involvement in the antioxidant defense of the auditory system
Paula Lopes, José Vieira
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Sudden Sensorineural Hearing Loss related to Vertebrobasilar Arterial Insufficiency – a challenge in clinical practise
Lea Zupan, MARKO ZUPAN
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ID: 04127 - P113
ID: 03895 - P114
ID: 03898 - P115
ID: 03915 - P117
ID: 03961 - P118
ID: 03984 - P119
ID: 04065 - P120
ID: 04093 - P121
ID: 04138 - P122
An unusual case of facial palsy caused by penetrating head trauma without temporal bone fracture - case report
Marisa KlančnikUniv, Petar IvaniševićUniv, Marina KrnićUniv, Petra SmojeUniv
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ID: 03907 - P123

Efficiency of Distortion Product Otoacoustic Emissions as Ototoxicity Monitoring Method
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ID: 04077 - P124

Prevalence and Characteristics of Distortion Product Otoacoustic Emissions in a Representative Sample of 70 Year Olds
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ID: 04027 - P125

Sound Localization and Auditory Memory in Children With or Without Middle Ear Alteration
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ID: 03967 - P126

Single sided deafness and hearing asymmetry: specific patterns on several hearing questionnaires.
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ID: 03902 - P127

Self-reported Listening Effort measured by an Extended Version of the Effort Assessment Scale (EEAS)
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ID: 04092 - P128

Speech recognition and pupillometry – exploring new tools to be used in clinical practice
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ID: 04051 - P129
Clinical use of the Dizziness Handicap Inventory
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ID: 04106 - P130
Audio-Vestibular Symptoms Of Patients With Chiari Syndrome
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ID: 03804 - P131
Communication in bimodal bilingual families with normal hearing children and deaf and/or hearing impaired parents.
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ID: 04099 - P132
Hearing loss in persons exposed and not exposed to occupational noise
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