



Aalborg Universitet

AALBORG UNIVERSITY  
DENMARK

## 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 23<sup>rd</sup> May, 17:30-19:00**

ID: 03790

#### **Speech understanding and sound localization with the adhesively attached Adhear bone conduction hearing system**

Martin Kompis<sup>1</sup>, Tom Gawliczek<sup>2</sup>, Marco Caversaccio<sup>1,2</sup>, Wilhelm Wimmer<sup>2</sup>

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 Kompis<sup>1</sup>, Tom Gawliczek<sup>2</sup>, Marco Caversaccio<sup>1,2</sup>, Wilhelm Wimmer<sup>2</sup>

1) Department of ENT, Head and Neck Surgery, Inselspital, University of Bern, Switzerland

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ID: 03792

#### **Long term use of bone anchored hearing systems (BAHS) in single sided deafness**

Martin Kompis<sup>1</sup>, Marco Caversaccio<sup>1,2</sup>, Wilhelm Wimmer<sup>2</sup>

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 Cywka<sup>1</sup>, Piotr Henryk Skarzynski<sup>1,2,3</sup>

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 Skarzynski<sup>1,2,3</sup>, Katarzyna Cywka<sup>1</sup>, Bartłomiej Krol<sup>1</sup>, Beata Dziendziel<sup>1</sup>, Henryk Skarzynski<sup>1</sup>

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ID: 03927

#### **First experiences with the new ADHEAR bone conduction system in Serbia**

Bojana Bukurov<sup>Schoo</sup>, Nenad Arsovic<sup>Schoo</sup>

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**

Zsafia Bere<sup>1</sup>, Adam Perenyi<sup>1</sup>, Janos Jarabin<sup>1</sup>, Balaz Sztano<sup>1</sup>, Ziad Bikhazi<sup>2</sup>, Laszlo

Tizslavicz<sup>3</sup>, Jozsef Geza Kiss<sup>1</sup>, Laszlo Rovo<sup>1</sup>



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- 2) Affidea Szeged, Hungary
- 3) University of Szeged, Department of Pathology, Szeged, Hungary

ID: 04058

**Intracochlear Pressure Measurements to Study Human Bone Conduction Perception**

Charlotte Borgers<sup>1</sup>, Guy Fierens<sup>1,2,3</sup>, Tristan Putzeys<sup>1</sup>, Jan Wouters<sup>1</sup>, Astrid van Wieringen<sup>1</sup>, Nicolas Verhaert<sup>1</sup>

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- 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

ID: 04124

**Short-term and first long-term outcomes for children treated with the bone conduction hearing system ADHEAR**

Katrin Neumann<sup>Ruhr</sup>

- 1) Ruhr University Bochum, Germany

**Free Paper 02 - Cochlear implants I**  
**Small Auditorium, Thursday 23<sup>rd</sup> May, 09:00-10:30**

ID: 03785

**Experience with MRI scanning of Hearing Implant Users**

Ilna Anderson<sup>MED-E</sup>, Martin Zimmerling<sup>MED-E</sup>, Richard Zniva<sup>MED-E</sup>

- 1) MED-EL

ID: 03806

**The variability of fitting parameters across CI centers**

Justine Wathour<sup>1</sup>, Paul Govaerts<sup>2</sup>, Naïma Deggouj<sup>1</sup>

- 1) Centre d'Audiophonologie des Cliniques universitaires Saint-Luc, Brussels, Belgium
- 2) Eargroup, Antwerpen, Belgium

ID: 03811

**Listening Effort in Daily Life in Adult Patients with Cochlear Implant**

Angelika Illg<sup>MHH</sup>, Svenja Pape<sup>MHH</sup>, Thomas Lenarz<sup>MHH</sup>

- 1) Medical University of Hannover (MHH)

ID: 03818

**Middle ear infectious complications in cochlear implant patients –our experience**

Nina Bozanic Urbancic<sup>Unive</sup>, Saba Battelino<sup>Unive</sup>

- 1) University Medical Centre Ljubljana Slovenia
- 2) University of Ljubljana, Faculty of Medicine

ID: 03834

**Comparison of bimodal benefit using DSL v5.0 and NAL-NL2 as hearing aid gain prescriptions**

Frank Digeser<sup>1</sup>, Max Engler<sup>1</sup>, Ulrich Hoppe<sup>1</sup>

- 1) Universitätsklinikum Erlangen, HNO Klinik, Audiologie, Germany

ID: 03862

**Long-term cognitive prognosis of profoundly deaf older adults after hearing rehabilitation using cochlear implant**

Isabelle Mosnier<sup>1</sup>, Antoine Vanier<sup>2</sup>, Damien Bonnard<sup>3</sup>, Eric Truy<sup>4</sup>, Philippe Bordure<sup>5</sup>, Benoit Godey<sup>6</sup>, Mathieu Marx<sup>7</sup>, Emmanuel Lescanne<sup>8</sup>, Frederic Venail<sup>9</sup>, Christine Poncet<sup>10</sup>, Olivier Sterkers<sup>11</sup>



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- 5) Service ORL, Hôpital Hôtel Dieu, Nantes, France
- 6) Service ORL, Hôpital Pontchailloux, 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, GH 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: 03864

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

Isabelle Mosnier<sup>1</sup>, Yoshie Russo Francesca<sup>2</sup>, Michel Hoen<sup>3</sup>, Thomas Demarcy<sup>3</sup>, Marine Ardoint<sup>3</sup>, Daniele De Seta<sup>2</sup>, Ghizlene Lahlou<sup>4</sup>, Olivier Sterkers<sup>1</sup>

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ID: 03878

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

Dan Yaniv<sup>1</sup>, Eyal Raveh<sup>2</sup>, Meirav Sokolov<sup>2</sup>, David Ulanovsky<sup>2</sup>, Hen Mormer<sup>2</sup>, Joseph Attias<sup>3,4</sup>

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ID: 03928

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

Hillary Ganek<sup>Cochl</sup>, Mary Lynn Feness<sup>Cochl</sup>, Gina Goulding<sup>Cochl</sup>, Gillian Liberman<sup>Cochl</sup>, Morrison Steel<sup>Depar</sup>, Leanne Ruderman<sup>Thana</sup>, Blake Papsin<sup>Cochl</sup>, Sharon Cushing<sup>Cochl</sup>, Karen Gordon<sup>Cochl</sup>

- 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 23<sup>rd</sup> May, 11:00-12:30**



ID: 03929

**Applying the deconvolution method in Nucleus CIs to better characterize spread of excitation**

J.D. Biesheuvel<sup>1</sup>, M.V.S. Goffi-Gomez<sup>2</sup>, C.J. James<sup>3</sup>, J.J. Briaire<sup>1</sup>, H. Mauch<sup>3</sup>, J.H.M. Frijns<sup>1</sup>

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 Bester<sup>1</sup>, Stefan Weder<sup>2</sup>, Aaron Collins<sup>1</sup>, Anthony Gummer<sup>3</sup>, Stephen O'Leary<sup>1</sup>

1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia

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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 Bester<sup>1</sup>, Stefan Weder<sup>2</sup>, Aaron Collins<sup>1</sup>, Stephen O'Leary<sup>1</sup>

1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia

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ID: 03935

**Intra-Op Hearing Preservation Monitoring using Electrocochleography**

Christofer Bester<sup>1</sup>, Stefan Weder<sup>2</sup>, Aaron Collins<sup>1</sup>, Stephen O'Leary<sup>1</sup>

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 Böhnke<sup>Unive</sup>, Thomas Hocke<sup>Cochl</sup>, Matthias Hey<sup>Unive</sup>

1) Universitätsklinikum Schleswig Holstein HNO Klinik

ID: 04008

**Impact of cochlear implantation on quality of life – longitudinal study**

Marisa Alves<sup>Facul</sup>, Joaquim Ferreira<sup>Facul</sup>, Marcelino Pereira<sup>Facul</sup>, Luis Silva<sup>ENT D</sup>

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 Alves<sup>ENT D</sup>, Marcelino Pereira<sup>Facul</sup>, Joaquim Ferreira<sup>Facul</sup>, Luis Silva<sup>ENT D</sup>

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 Alves<sup>ENT D</sup>, Marcelino Pereira<sup>Facul</sup>, Joaquim Ferreira<sup>Facul</sup>, Luis Silva<sup>ENT D</sup>

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**

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**Free Paper 04 - Auditory processing Disorders I**  
**Small Auditorium, Thursday 23<sup>rd</sup> 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'Beirne<sup>1,2</sup>, Jasmine M. Gibbins<sup>1</sup>, Justin Yau<sup>1</sup>, Rebecca J. Kelly-Campbell<sup>1</sup>

1) University of Canterbury, Christchurch, New Zealand

2) Eisdell Moore Centre, Auckland, New Zealand

ID: 03958

**Auditory Skills Informal Protocol: Pilot Study**

Inês Martins<sup>Unive</sup>, Graça Simões Carvalho<sup>Unive</sup>, Cristiane Lima Nunes<sup>Unive</sup>, Simone Capellini<sup>UNESP</sup>

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 Nuffield Experience**

Nattawan Utoomprurkporn<sup>1</sup>, Chrysa Spyridakou<sup>2</sup>

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 Yerlikaya<sup>Istan</sup>, Haydar Murat Yener<sup>Istan</sup>, Zahra Polat<sup>Istan</sup>, Eyüp Kara<sup>Istan</sup>, Ahmet Atas<sup>Istan</sup>

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5) Istanbul University-Cerrahpaşa, 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 Callimachou<sup>Depar</sup>, Kakia Petinou<sup>Depar</sup>

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 Freire<sup>Audic</sup>, Cristina Félix<sup>Audic</sup>, Millena Souza<sup>Audic</sup>, Ana Paula Bruner<sup>Audic</sup>

1) Audicare Audiology Clinic (Brazil)

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

ID: 03780

**Can you hear me? Audiology protocols in diagnosis and treatment of aphasia**





Limor Lavie<sup>Unive</sup>, Michal Biran<sup>Unive</sup>, Daria Tal<sup>Unive</sup>  
1) University of Haifa

ID: 03801

**Can you hear me? Audiology protocols in diagnosis and treatment of aphasia**

Limor Lavie<sup>Unive</sup>, Michal Biran<sup>Unive</sup>, Daria Tal<sup>Unive</sup>  
1) University of Haifa, Department of speech and hearing sciences and disorders

ID: 03912

**Cognition of older adults with late onset hearing loss compared to matched controls with age appropriate hearing**

Maria Huber<sup>1</sup>, Sebastian Roesch<sup>1</sup>, Belinda Pletzer<sup>2</sup>, Julia Lukaschyk<sup>3</sup>, Anke Lesinski-Schiedat<sup>3</sup>, Angelika Illg<sup>3</sup>

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- 2) Department of Psychology, Center for Neurocognitive Research, University of Salzburg, Austria
- 3) Department of Otorhinolaryngology, Hannover Medical School, Germany

ID: 03936

**Age-related changes in the auditory function studied by extended audiometric examination**

Zbynek Bures<sup>1,2</sup>, Oliver Profant<sup>2,3</sup>, Veronika Svobodova<sup>2,4</sup>, Diana Tothova<sup>2,4</sup>, Vaclav Vencovsky<sup>2</sup>, Josef Syka<sup>2</sup>

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ID: 04105

**Age-Related Treatment Effect On Sudden Hearing Loss**

Merve MERAL<sup>Istan</sup>, Ahsen KARTAL<sup>Istan</sup>, Ümit Can ÇETİNKAYA<sup>Istan</sup>, Büşra ULUDAĞ<sup>Istan</sup>, İnci ADALI<sup>Istan</sup>, Özlem KONUKSEVEN<sup>Istan</sup>

- 1) Department of Audiology, Istanbul Aydın University, Turkey

ID: 04139

**Identification of hearing loss through a single question**

Neelke Oosterloc<sup>Erasm</sup>, Nienke Homans<sup>Erasm</sup>, Rob J. Baatenburg de Jong<sup>Erasm</sup>, Arfan Ikram<sup>Erasm</sup>, Paul Nagtegeaal<sup>Erasm</sup>, André Goedegebure<sup>Erasm</sup>

- 1) Erasmus MC

ID: 04150

**Restoration of sensory input may improve cognitive and neural function**

Hanin Karawani<sup>Unive</sup>, Samira Anderson<sup>Unive</sup>  
1) University of Haifa  
2) University of Maryland

**Free Paper 06 - Audiologic diagnosis**

**Meeting Room 1, Thursday 23<sup>rd</sup> May, 09:00-10:30**

ID: 03784

**Can High-Frequency Audiometry “Unhide” Hidden Hearing Loss?**

Ioannis Bardanis<sup>1</sup>, Konstantinos Panagiotidis<sup>1</sup>

- 1) General Hospital of ikaria, Greece



ID: 03847

**Hearing effects of prolonged exposure to the hyperbaric environment in professional divers**

Sheila Aguilera<sup>Clini</sup>, Margarida Serrano<sup>Inst</sup>

- 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 Reis<sup>1</sup>, Luís Castelhana<sup>1</sup>, Filipe Correia<sup>1</sup>, Pedro Escada<sup>1</sup>

- 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 Snel<sup>UMC U</sup>, Koen Rhebergen<sup>UMC U</sup>

- 1) UMC Utrecht

ID: 04017

**Interpretation of wide-band tympanometry using automated pattern recognition**

Eliane Ebnoether<sup>1</sup>, Anu James Madathilparambil<sup>2</sup>, Volker Roth<sup>2</sup>, Christof Stieger<sup>1</sup>

- 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 Ramma<sup>Unive</sup>, Lucretia Petersen<sup>Unive</sup>

- 1) University of Cape Town, South Africa

ID: 04107

**Development and Validation of the Arabic CAPT**

Hanin Rayes<sup>UCL</sup>, Ghada Al-Malky<sup>UCL</sup>, Deborah Vickers<sup>Cambr</sup>

- 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. Malicka<sup>1</sup>, Andrea Simpson<sup>1</sup>, Jevan Price Leggett<sup>1</sup>, Julia C. Amezdroz<sup>1</sup>, Georgia E. Gooding<sup>1</sup>, Ajisha Kizhakumtala<sup>1</sup>, Rita Hou<sup>2</sup>, Courtney Burton<sup>2</sup>, Wayne J. Wilson<sup>2</sup>

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- 2) The University of Queensland

ID: 04122

**Multi-Frequency Technology for acoustic Reflexes**

Russell Higgs<sup>1</sup>, Andre Lodwig<sup>path</sup>

- 1) Path Medical GmbH

**Free Paper 07 - Vestibular disorders, diagnosis and therapy I**  
**Meeting Room 1, Thursday 23<sup>rd</sup> May, 15:30-17:00**





ID: 03860

**Normalization Of Galvanic Vestibular Evoked Myogenic Potentials In Healthy Individuals**

Nizamettin Burak AVCI<sup>Trakya</sup>, Zahra POLAT<sup>Istan</sup>, Ahmet ATAŞ<sup>Istan</sup>

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3) Department of Otolaryngology, Cerrahpasa Medical Faculty, Istanbul University-Cerrahpasa, Istanbul, Turkey

ID: 03941

**Auditory-evoked neurophonic responses recorded using a novel signal processing technique**

Greg A. O'Beirne<sup>1,2</sup>, Alison M. Cook<sup>1,2</sup>, Ashleigh J. Allsop<sup>1</sup>

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2) Eisdell Moore Centre, Auckland, New Zealand

ID: 03969

**Static and Dynamic Balance in School Children with Sensorineural Hearing Loss**

Kürşad Karakoç<sup>Ankar</sup>, Banu Müjdecı<sup>Ankar</sup>

1) Ankara Yıldırım Beyazıt University

ID: 04119

**Evaluating The Effectiveness of Virtual Reality (VR) Game Systems in Vestibular Rehabilitation İn Motion Sickness**

Emel Uğur<sup>1</sup>, Özlem Konukseven<sup>2</sup>

1) Acıbadem Altunizade Hospital, Audiology Department 2) Istanbul Aydın University, Faculty of Health Sciences, Audiology Department

ID: 04120

**What are the Differences Between Canalolithiasis and Cupulolithiasis in patients with BPPV: Latency, Direction, Duration and Age Distribution**

İnci Adalı<sup>1</sup>, Ümit Can Çetinkaya<sup>1</sup>, Merve Meral<sup>1</sup>, Ahsen Kartal<sup>1</sup>, Büşra Uludağ<sup>1</sup>, Barış Tansu Özal<sup>2</sup>, Özge Melike Gün<sup>1</sup>, Zeynep Önerci Altunay<sup>2</sup>, Haluk Özkarakaş<sup>2</sup>, Özlem Konukseven<sup>1</sup>

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2) Acıbadem Kadıkoy Hospital, Audiology Department

**Free Paper 08 - Devepment of hearing throughout life**

**Meeting Room 1, Thursday 23<sup>rd</sup> May, 17:30-19:00**

ID: 03807

**Towards Predictions of Individual Benefits with Real Hearing Aids**

David Hülsmeier<sup>Mediz</sup>, Anna Warzybok<sup>Mediz</sup>, Birger Kollmeier<sup>Mediz</sup>, Marc René Schädler<sup>Mediz</sup>

1) Medizinische Physik and Cluster of Excellence Hearing4all, CvO Universität Oldenburg

ID: 03846

**Personal Stereos And Adolescence: Pleasure Or Risk**

Carla Bahillo-Neves<sup>audio</sup>

1) Audiotex

ID: 03930

**Evaluation of Verbal Working Memory and Phonemic Analysis Skills in Adolescents with Cochlear İmplant- A Preliminary Study**

NURIYE YILDIRIM<sup>Gazi</sup>, BÜLENT GÜNDÜZ<sup>Gazi</sup>, HAKAN TUTAR<sup>Gazi</sup>, RECEP KARAMERT<sup>Gazi</sup>, ŞADIYE BACIK TRANK<sup>Gazi</sup>

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ID: 03957

**Neurodevelopmental aspects of hearing-in-noise in 5 to 11 year- old children**

Jeremie Ginzburg<sup>Lyon</sup>, Lesly Fornoni<sup>Lyon</sup>, Justine Popieul<sup>Lyon</sup>, Caroline Pierre<sup>Lyon</sup>, Anne Caclin<sup>Lyon</sup>, Annie Moulin<sup>Lyon</sup>

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ID: 03983

**DHH Students Perception of School Inclusion through different school environments.**

Edyta Tominska<sup>1</sup>, Anna Zwierzchowska<sup>2</sup>, Agata Kruzynska<sup>2</sup>, Aleksandra Zebrowska<sup>3</sup>

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

ID: 04078

**The associan between age-related hearing loss, body composition and diet**

André Goedegebure<sup>Erasm</sup>, Pauline Croll<sup>Erasm</sup>, Trudy Voortman<sup>Erasm</sup>, Meike Vernooij<sup>Erasm</sup>, Arfan Ikram<sup>Erasm</sup>

1) Erasmus MC

**Free Paper 09 - Audiological rehabilitation**

**Meeting Room 2, Thursday 23<sup>rd</sup> May, 09:00-10:30**

ID: 03828

**Presbycusis: auditory rehabilitation influence in loneliness and depression in older people**

Tatiana Marques<sup>Insti</sup>, Filipa D. Marques<sup>Insti</sup>

1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal; OuviSonus

2) Instituto Politécnico de Coimbra, ESEC, Gerontologia; CINTESIS

ID: 03863

**Is Serious Game-Based Learning a Good Therapeutic Option in Adult Cochlear Implants? Preliminary Results from an Intensive Listening-in-Noise Training Program**

PIERRE Reynard<sup>1,2,3</sup>, Virginie ATTINA<sup>1,2,3</sup>, Evelyne VEUILLET<sup>1,2,3</sup>, Hung THAI-VAN<sup>1,2,3</sup>

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2) Claude Bernard Lyon 1 University, France 3) Lyon Neuroscience Research Center, Inserm

U1028 CNRS UMR5292 France

ID: 03906

**Test-Retest Reliability of a Modern Greek Speech Audiometry Test for Adults**

Nikolaos Trimmis<sup>1</sup>, Dimitra Chaldi<sup>2</sup>, Stefanos Naxakis<sup>3</sup>

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.

ID: 03966

**Audiological classification of patient data using expert-based Common Audiological Functional Parameters (CAFPAs)**

Mareike Buhl<sup>1,2</sup>, Anna Warzybok<sup>1,2</sup>, Marc René Schädler<sup>1,2</sup>, Birger Kollmeier<sup>1,2,3</sup>

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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 Hirtum<sup>1, KU</sup>, Pol Ghesquière<sup>2, KU</sup>, Jan Wouters<sup>1, KU</sup>

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 Malmberg<sup>1,2</sup>

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 Wong<sup>Unive</sup>, Nuzhat Sultana<sup>Unive</sup>, Suzanne Purdy<sup>Unive</sup>

1) University of Hong Kong

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

ID: 03810

Topic: Recruiting the other ear in SSD and biomodal fitting

**Loudness scaling and localization of cochlear implant users with contralateral hearing aid**

Anne Hast<sup>1</sup>, Paul Lehmann<sup>1</sup>, Patrick Munder<sup>2</sup>, Matthias Hey<sup>2</sup>, Hoppe Ulrich<sup>1</sup>

1) CICERO - CI Centrum 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<sup>Erasm</sup>, Gertjan Dingemans<sup>Erasm</sup>, Marc van der Schroeff<sup>Erasm</sup>, André Goedegebure<sup>Erasm</sup>

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<sup>Depar</sup>, Anna Möller<sup>Depar</sup>, Heike Bagus<sup>Cochl</sup>, Thomas Scholz<sup>Cochl</sup>, Stephan Hans<sup>Depar</sup>, Laura Holtmann<sup>Depar</sup>

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 Kurz<sup>Depar</sup>, Marius Grubenbecher<sup>Depar</sup>, Maren Zanzinger<sup>Depar</sup>, Rudolf Hagen<sup>Depar</sup>, Kristen Rak<sup>Depar</sup>, Kühn Heike<sup>Depar</sup>

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**Free Paper 11 - Pediatric Audiology**



**Meeting Room 2, Thursday 23<sup>rd</sup> May, 17:30-19:00**

ID: 03776

**The Adhesive Bone Conduction system, ADHEAR – performance, physics and clinical evaluations**

Patrik Westerkull<sup>Otori</sup>

1) Otorix Research / Chalmers University of Technology

ID: 03789

**Vestibular Function in Children with Neurodevelopmental Disorders: A Systematic Review**

R. Van Hecke<sup>1</sup>, M. Danneels<sup>1</sup>, I. Dhooge<sup>2,3</sup>, H. Van Waelvelde<sup>1</sup>, J.R. Wiersema<sup>4</sup>, F.J.A. Deconinck<sup>5</sup>, L. Maes<sup>1,2</sup>

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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 Trimmis<sup>1</sup>, Dimitra Chaldi<sup>2</sup>

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'Beirne<sup>1,2</sup>, Pace M. Jenkins-Foreman<sup>1</sup>, Marie Lay<sup>1</sup>, Rebecca J. Kelly-Campbell<sup>1</sup>

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 Yılar<sup>Istan</sup>, Duygu Hayır<sup>Istan</sup>, N.Burak Avcı<sup>Traky</sup>, Sare Ocak<sup>Istan</sup>, Z. Dilek Gülmez<sup>Istan</sup>, Hatice Demir<sup>Istan</sup>, Soner Güler<sup>Istan</sup>, Duygu Özdemir<sup>Istan</sup>, Zeynep İkizoğlu<sup>Istan</sup>, Emin Karaman<sup>Istan</sup>, Zahra Polat<sup>Istan</sup>

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4) Department of E.N.T, Medical Faculty, Istanbul University Cerrahpasa, Istanbul, Turkey

ID: 04046

**Classical Play Audiometry Versus Animated Play Audiometry**

İlayda Çelik<sup>I</sup>, Kerim Yetkin Kurnaz<sup>I</sup>, Yuşa Başoğlu<sup>I</sup>, Oğuz Yılmaz<sup>I</sup>, Mustafa Bülent Şerbetçioğlu<sup>I</sup>

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 Yılar<sup>Istan</sup>, Merve Çınar<sup>Anado</sup>, Figen Başar<sup>Ondok</sup>, Zahra Polat<sup>Istan</sup>

1) Department of Audiology, Medical Faculty, Istanbul University Cerrahpasa, Istanbul, Turkey

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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 Polainas<sup>1</sup>, Filipa Ferreira<sup>1</sup>, Vítor Proença<sup>1</sup>, Luís Antunes<sup>1</sup>

1) Department of Otorhinolaryngology, Hospital Garcia de Orta, Almada, Portugal

**Free Paper 12 - Cochlear Implants III**  
**Main Auditorium, Friday 24<sup>th</sup> May, 17:30-19:00**

ID: 03951

**Individualized models of the auditory nerve response to cochlear implant stimulation**

Bernhard Seeber<sup>1</sup>, Marko Takanen<sup>1</sup>, Kauê Werner<sup>1</sup>

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 Surrounding Tissue**

Goetz Brademann<sup>1</sup>, Angel Ramos de Miguel<sup>2</sup>, Juan Carlos Falcon<sup>2</sup>, Timo Stoever<sup>3</sup>, Manuel Manrique<sup>4</sup>, Robert Cowan<sup>5</sup>, Ulrich Hoppe<sup>6</sup>, Matthias Hey<sup>1</sup>, Uwe Baumann<sup>7</sup>, Alicia Huarte<sup>8</sup>, Tim Liebscher<sup>6</sup>, Riaan Rottier<sup>9</sup>, Nicole Neben<sup>10</sup>, Angel Ramos<sup>11</sup>

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4) Otorhinolaryngology - Head and Neck Surgery, Clinica Universidad de Navarra, Pamplona, Spain

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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 Hoppe<sup>1</sup>, Timo Stoever<sup>2</sup>, Uwe Bauman<sup>2</sup>, Alexander Mewes<sup>3</sup>, Tim Liebscher<sup>1</sup>, Marc Schuessler<sup>4</sup>, Antje Aschendorff<sup>5</sup>, Thomas Wesarg<sup>5</sup>, Andreas Buechner<sup>4</sup>, Nicole Neben<sup>6</sup>, Matthias Hey<sup>3</sup>

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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 Deniz<sup>1</sup>, EYYUP KARA<sup>1</sup>, ZAHRA POLAT<sup>1</sup>, RIŞVAN DENİZ<sup>2</sup>, AHMET ATAŞ<sup>3</sup>

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3) Istanbul Üniversitesi-Cerrahpaşa, Cerrahpaşa Medical Faculty, Department of Otolaryngology, Head and Neck Surgery

ID: 03989

**The impact of low rate stimulation on speech understanding and sound perception using the ACE strategy**

Andreas Buechner<sup>Hanno</sup>, Eugen Kludt<sup>Hanno</sup>, Mark Schuessler<sup>Hanno</sup>, Thomas Lenarz<sup>Hanno</sup>

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ID: 04000

**Influence of cerebral abnormalities in pediatric cochlear implant recipients on auditory perception and speech outcomes**

M. Mashaly<sup>Otor</sup>

1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04002

**Cochlear Implantation in Syndromic Deafness: Challenges, Hearing and Speech Rehabilitation Outcomes**

M. Mashaly<sup>Otor</sup>

1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04003

**Cochlear Implantation in Bilateral Profound Deafness after Head Trauma**

M. Mashaly<sup>Otor</sup>

1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04022

**Objective help for CI fitting – AutoART and applications**

Balazs Dimak<sup>1</sup>, Roland Nagy<sup>1</sup>, Adam Perenyi<sup>1</sup>, Janos Andras Jarabin<sup>1</sup>, Rebeka Schulcz<sup>1</sup>, Laszlo Rovo<sup>1</sup>, Jozsef Geza Kiss<sup>1</sup>

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**Free Paper 13 - Cochlear implants IV**  
**Small Auditorium, Friday 24<sup>th</sup> May, 09:00-10:30**

ID: 04030

**The benefits of the Cochlear Implant In Single Sided Deafness - Events Related Potentials (ERP-P300)**

Tânia Martins<sup>Hospi</sup>, Diogo Ribeiro<sup>Hospi</sup>, Jorge Oliveira<sup>Copel</sup>, Mafalda Almeida<sup>Hospi</sup>, Vera Lourenço<sup>Hospi</sup>, João Paço<sup>Hospi</sup>

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<sup>1</sup>, Jorge Humberto Martins<sup>1</sup>, Susana Andrade<sup>1</sup>, Graça Oliveira<sup>1</sup>, Joana Sanches Pires<sup>1</sup>, Marisa Alves<sup>1</sup>, Helena Alves<sup>1</sup>, Daniela Ramos<sup>1</sup>, Ricardo Caiado<sup>1</sup>, João Elói Moura<sup>1</sup>, Jorge Quadros<sup>1</sup>, Felisberto Maricato<sup>1</sup>, Luis Filipe Silva<sup>1</sup>

1) Serviço de Otorrinolaringologia - Centro Hospitalar e Universitário de Coimbra

ID: 04089

**Swiss National Cochlea Implant Register: Preliminary Analysis of Speech Development**

Katrin Siegwolf<sup>1</sup>, Anette Voswinckel<sup>1</sup>, Maïke Lipp<sup>2</sup>, Claudia Ohnsorg<sup>3</sup>, Luzia Bayard<sup>4</sup>, Christof Steiger<sup>1,5</sup>

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- 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<sup>Unive</sup>, Ferenc Toth<sup>Unive</sup>, Balazs Dimak<sup>Unive</sup>, Roland Nagy<sup>Unive</sup>, Zsofia Bere<sup>Unive</sup>, Jozsef Geza Kiss<sup>Unive</sup>, Laszlo Rovo<sup>Unive</sup>

ID: 04108

**Predicting Long-term Speech and Language Outcomes in Paediatric Cochlear Implant Recipients**

Julie Hare<sup>2</sup>, Tracey Sear<sup>2</sup>, Debi Vickers<sup>1</sup>

- 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<sup>1</sup>, Diogo Ribiero<sup>1</sup>, Ana Campos<sup>1</sup>, Pedro Henriques<sup>1</sup>, Hugo Estibeiro<sup>1,2</sup>, João Paço<sup>1</sup>

- 1) Hospital CUF Infante Santo
- 2) Instituto Português de Oncologia de Lisboa Francisco Gentil

ID: 04117

**Early Fitting Objective Performance Vs Standard Activation Objective Performance**

Joana Luís<sup>1</sup>, Tânia Delgado<sup>1</sup>, João Januário<sup>2</sup>, Carla Gonçalves<sup>2</sup>, M<sup>a</sup> Luisa Monteiro<sup>1</sup>

- 1) Hospital Lusíadas Lisboa, Lisboa 2) Widex, Portugal

ID: 04125

**Cochlear implantation in patients with Ménière's disease**

Diogo Ribeiro<sup>Hospi</sup>, Cristina Carocha<sup>Hospi</sup>, João Paço<sup>Hospi</sup>

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ID: 04137

**Personalized electrode array insertion for cochlear implantation**

O. Sterkers<sup>1</sup>, Y. Nguyen<sup>1</sup>, R. Torres<sup>1</sup>, D. De Seta<sup>1</sup>, M. Drouillard<sup>1</sup>, D. Bernardeschi<sup>1</sup>, I. Mosnier<sup>1</sup>

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ID: 04140

**Influence of Microphone Directivity on Static and Dynamic Localization and Minimum Audible Angle with Bilateral Cochlear Implant Users**

Tim Fischer<sup>1,2</sup>, Christoph Schmid<sup>2</sup>, Martin Kompis<sup>2</sup>, Georgios Mantokoudis<sup>2</sup>, Marco Caversaccio<sup>1,2</sup>, Wilhelm Wimmer<sup>1,2</sup>

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**Free Paper 14 - Electrophysiology and audiology**  
**Small Auditorium, Friday 24<sup>th</sup> May, 11:00-12:30**



ID: 03882

**How to identify auditory neural energetic vulnerability**

Fabrice GIRAUDET<sup>1</sup>, Paul DELTENRE<sup>2</sup>, Paul AVAN<sup>1</sup>

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2) CHU Brugmann, Université Libre de Bruxelles, Belgium

ID: 03889

**Artificial intelligence is effective in auditory brainstem response analysis**

Richard McKearney<sup>1</sup>, Robert MacKinnon<sup>2</sup>

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 Beşik<sup>Gazi</sup>, Nuriye Yıldırım<sup>Gazi</sup>, Emre Orhan<sup>Gazi</sup>, Bülent Gündüz<sup>Gazi</sup>, Hakan Tutar<sup>Gazi</sup>, Recep Karamert<sup>Gazi</sup>

1) Gazi University

ID: 03940

**Electrophysiological and behavioral measures of some speech contrasts in varied attention and noise**

David Jackson Morris<sup>Unive</sup>, John Tøndering<sup>Unive</sup>, Magnus Lindgren<sup>Lund</sup>

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 Santos<sup>1</sup>, Jeferson Jhone Silva<sup>2</sup>, Danilo Barbosa Melges<sup>2</sup>, Otávio Gomes Lins<sup>3</sup>, Carlos Julio Tierra-Criollo<sup>4</sup>

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ID: 04029

**Assessment Of Auditory Functions In Patients With Diabetes**

Ebru Kara<sup>1</sup>, Eyyup Kara<sup>1</sup>, Emine Deniz Gözen<sup>2</sup>, Ahmet Ataş<sup>2</sup>

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ID: 04043

**EEG findings in different listening condition of individuals who have normal hearing.**

Ebru Zeren<sup>Depar</sup>, Nurhan Erbil<sup>Depar</sup>, Meral Didem Türkyılmaz<sup>Depar</sup>

1) Department of Audiology, Hacettepe University

ID: 04056

**ABR in preschool children with speech disorders**

Ivana Aras<sup>1</sup>, Sanja Vlahović<sup>1</sup>, Siniša Stevanović<sup>2</sup>, Tereza Cvjetko<sup>1</sup>

1) SUVAG Polyclinic Zagreb

2) Clinical Hospital "Sisters of Mercy"



ID: 04082

**Objective measures of the auditory discrimination abilities in young children with CI**  
Paulina Paluch<sup>1</sup>, Bartosz Kochański<sup>1</sup>, Małgorzata Ganc<sup>1</sup>, Jakub Wojciechowski<sup>1,2</sup>, Rafał Milner<sup>1</sup>, Henryk Skarżyński<sup>1</sup>

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- 2) Nencki Institute of Experimental Biology, Warsaw, Poland

ID: 04083

**Adults Cochlear Implant (Bionic Ear) Users, Effect On Signal To Noise Ratio In Investigation Of The Auditory Cortical Responses**

Halide C.KARA<sup>Depar</sup>, Eyyup KARA<sup>Depar</sup>, Ahmet ATAS<sup>Depar</sup>, E.Deniz GOZEN<sup>Depar</sup>

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- 2) Department of Audiology, Faculty of Health Sciences, Istanbul University-Cerrahpaşa, Istanbul, Turkey

ID: 04121

**C-VEMP Test Parameters in Patients with Motion Sickness: Latency, Amplitude and Asymmetric Ratio**

Ahsen Kartal<sup>1</sup>, Büşra Uludağ<sup>1</sup>, Merve Meral<sup>1</sup>, Ümit Can Çetinkaya<sup>1</sup>, Eyup Hakan Şafakoğlu<sup>1</sup>, Betül Tekinay<sup>1</sup>, Mustafa Mola<sup>1</sup>, İnci Adalı<sup>1</sup>, Özlem Konukseven<sup>1</sup>

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**Free Paper 15 - Auditory Processing Disorders II**  
**Small Auditorium, Friday 24<sup>th</sup> May, 15:30-17:00**

ID: 03778

**Electrophysiological characteristics in children with listening difficulties, with or without auditory processing disorder**

Tone Stokkerei Mattsson<sup>Depar</sup>, Ola Lind<sup>Depar</sup>, Turid Follestad<sup>Depar</sup>, Kjell Grøndahl<sup>Depar</sup>, Wayne Wilson<sup>Schoo</sup>, Ståle Nordgård<sup>Depar</sup>, Stein Andersson<sup>Depar</sup>

- 1) Ålesund Hospital

ID: 03820

**A functional model for understanding the "process" of processing**

Jeanane Ferre<sup>Jeana</sup>

- 1) Jeanane M Ferre, PhD

ID: 03821

**Beyond preferential seating: deficit-specific management strategies for central auditory processing disorders (CAPDs)**

Jeanane Ferre<sup>Jeana</sup>

- 1) Jeanane M Ferre, PhD

ID: 03822

**The M3 model for treating central auditory processing disorders**

Jeanane Ferre<sup>Jeana</sup>

- 1) Jeanane M Ferre, PhD

ID: 03879

**Evaluation of Central Auditory Processing in Normal Hearing Young Adults by Using Dichotic Listening Tasks in Turkish Language**

NURİYE YILDIRIM<sup>Gazi</sup>, BÜLENT GÜNDÜZ<sup>Gazi</sup>

- 1) Gazi University, Audiology Department

ID: 03884



**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. Yuen<sup>1, 2</sup>, C. C. Y Mak<sup>1</sup>, F. K. H. Fung<sup>1</sup>, H. Y. Mou<sup>3</sup>, C. M. K. Cheung<sup>1</sup>, X. Y. Qiu<sup>1, 2</sup>, S. K. L. Sam<sup>1</sup>

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 Rouillon<sup>1</sup>, Aude De Lamaze<sup>1</sup>, Marlène Ribot<sup>1</sup>, Gregory Collet<sup>2</sup>, Marine Parodi<sup>1</sup>, Françoise Denoyelle<sup>1</sup>, Natalie Loundon<sup>1</sup>

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 24<sup>th</sup> May, 17:30-19:00**

ID: 03802

**The Effect Of Hearing Aid Use In Older Adults On Auditory Processing, Cognition And Gait**

Limor Lavie<sup>Unive</sup>, Hussam Abu Jaber<sup>Unive</sup>, Ismael Abu Freh<sup>Unive</sup>, Maayan Agmon<sup>Unive</sup>

1) University of Haifa

ID: 03823

**The link between hearing loss, vestibular loss and cognition**

Bieke Dobbels<sup>Unive</sup>, Griet Mertens<sup>Unive</sup>, Annick Gilles<sup>Unive</sup>, Julie Moyaert<sup>Unive</sup>, Raymond Van de Berg<sup>Maast</sup>, Olivier Vanderveken<sup>Unive</sup>, Paul Van de Heyning<sup>Unive</sup>, Vincent Van Rompaey<sup>Unive</sup>

1) University Hospital of Antwerp

ID: 03938

**Effects of task difficulty and signal processing on recall performance and recall strategy**

Andreea Micula<sup>Otico</sup>, Elaine Ng<sup>Otico</sup>, Fares El-Azm<sup>Otico</sup>, Jerker Rönnerberg<sup>Linna</sup>

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 Utoomprurkporn<sup>1,2</sup>, Sergi Costafreda Gonzalez<sup>3</sup>, Joshua Stott<sup>4</sup>, Doris Eva Bamiou<sup>1</sup>

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 Devesse<sup>KUL</sup>, Astrid van Wieringen<sup>KUL</sup>, Jan Wouters<sup>KUL</sup>

1) KU Leuven, Department of Neurosciences - ExpORL, Herestraat 49 bus 721 3000 Leuven, Belgium



ID: 04034

**'Will hearing and vision enhancement improve outcomes for people with dementia?'**

Iracema Lerol<sup>Unive</sup>, Zoe Simkin<sup>Unive</sup>, Emma Hooper<sup>Unive</sup>, Anna Pavlina Charalambous<sup>Europ</sup>,  
Chryssoula Thodi<sup>Europ</sup>

1) University of Manchester 2) European University Cyprus

**Free Paper 17 - Hearing Aids**

**Meeting Room 1, Friday 24<sup>th</sup> May, 09:00-10:30**

ID: 03875

**Hearing aid processing strategies for listeners with different auditory profiles: Insights from the BEAR project**

Mengfan Wu<sup>1</sup>, Raul Sanchez-Lopez<sup>2</sup>, Mouhamad El-Haj-Ali<sup>1</sup>, Silje Grini Nielsen<sup>2</sup>, Michal Fereczkowski<sup>2</sup>, Federica Bianchi<sup>2</sup>, Torsten Dau<sup>2</sup>, Sébastien Santurette<sup>2,3</sup>, Tobias Neher<sup>1</sup>

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

ID: 03950

**Speech intelligibility and loudness perception in realistic auditory scenes with the trueLOUDNESS fitting method**

Florian Kramer<sup>1</sup>, Dirk Oetting<sup>2</sup>, Ania Warzybok<sup>1</sup>, Marc René Schädler<sup>1</sup>, Volker Hohmann<sup>1</sup>

1) Department of Medical Physics and Acoustics and Cluster of Excellence "Hearing4all", Carl von Ossietzky University, Oldenburg, Germany

2) HörTech gGmbH, Oldenburg, Germany

ID: 03964

**Towards a French language version of the Satisfaction with Amplification in Daily Life questionnaire (SADL)**

Mathieu Ferschneider<sup>1,2</sup>, Alexane Hochart<sup>3,4</sup>, Brieux Cazals<sup>3,4</sup>, Nicolas Henriot<sup>3,4</sup>, Annie Moulin<sup>1</sup>

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.

ID: 04079

**A study of better hearing rehabilitation in Denmark (the BEAR project)**

Dorte Hammershøj<sup>Aalbo</sup>

1) Aalborg University

ID: 04088

**Investigation of the Hearing Aid User Satisfaction Levels and Performance in Noise Reprogrammed Based on Real Ear Measurement (REM)**

Gokce Gultekin<sup>Uskud</sup>, Zahra Polat<sup>Istan</sup>, Ahmet Atas<sup>Istan</sup>

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

ID: 04097

**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) Clínica 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 Denk<sup>1</sup>, Michael Kohnen<sup>2</sup>, Josep Llorca Bofir<sup>2</sup>, Michael Vorländer<sup>2</sup>, Birger Kollmeier<sup>1</sup>  
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 Boymans<sup>Acade</sup>, Maarten van Beurden<sup>Acade</sup>, Dirk Oetting<sup>3. Hö</sup>, Birger Kollmeier<sup>4. Me</sup>, Wouter Dreschler<sup>1. Ac</sup>  
1) Academic Medical Center, Department of Clinical & Experimental Audiology, Amsterdam, The Netherlands  
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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 24<sup>th</sup> May, 15:30-17:00**

ID: 03859

**Measuring aided thresholds with active middle ear implants**

Bernd Waldmann<sup>Cochl</sup>  
1) Cochlear

ID: 03972

**Do ambient pressure changes impact coupling efficiency of a middle ear implant actuator?**

U. A. Gamm<sup>1,2</sup>, H. Maier<sup>1</sup>  
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. Gamm<sup>1,2</sup>, H. Maier<sup>1</sup>  
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 Cebulla<sup>1</sup>, Rudolf Hagen<sup>1</sup>, Kristen Rak<sup>1</sup>, Ute Geiger<sup>1</sup>  
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 Seenacher<sup>1</sup>, Patrick Zorowka<sup>1</sup>, Kurt Stephan<sup>1</sup>  
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 Nagy<sup>1</sup>, János András Jarabin<sup>1</sup>, Balázs Dimák<sup>1</sup>, Ádám Perényi<sup>1</sup>, Csanády Miklós<sup>1</sup>, József Jóri<sup>1</sup>, József Géza Kiss<sup>1</sup>, László Rovó<sup>1</sup>

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 Christiane<sup>1,3</sup>, Wouters Jan<sup>1</sup>, Verhaert Nicolas<sup>1,2</sup>

1) KU Leuven, University of Leuven, Department of Neurosciences, Research Group ExpORL, Leuven, Belgium

2) University Hospitals Leuven, Department of Otolaryngology, 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 24<sup>th</sup> May, 17:30-19:00**

ID: 03762

**Skull Vibration-Induced Nystagmus Test (SVINT) a vestibular Weber**

Solara Sinno<sup>Unive</sup>, Kim Abouchacra<sup>Ameri</sup>, Philippe Perrin<sup>Unive</sup>, Georges Dumas<sup>CHU d</sup>

1) Université de Lorraine

ID: 03786

**Feasibility of extensive vestibular assessment in young children: recommendations for clinical practice**

Leen Maes<sup>Ghent</sup>, Ingeborg Dhooge<sup>Ghent</sup>, Cleo Dhondt<sup>Ghent</sup>

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 Danneels<sup>Ghent</sup>, Ruth Van Hecke<sup>Ghent</sup>, Hannah Keppler<sup>Ghent</sup>, Sofie Degeest<sup>Ghent</sup>, Dirk Cambier<sup>Ghent</sup>, Raymond van de Berg<sup>Maast</sup>, Vincent Van Rompaey<sup>Antwe</sup>, Leen Maes<sup>Ghent</sup>

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 KARABULUT<sup>Ankar</sup>, Banu BAS<sup>Ankar</sup>, Banu MUJDECI<sup>Ankar</sup>

1) Ankara Yildirim Beyazıt University

ID: 03829

**Combined program of aerobic and strength exercise training Effects on Postural Control in Elderly**

Paulo Carmo<sup>1,2</sup>, Adjane César<sup>2</sup>, Rubim Santos<sup>1</sup>, Joana Carvalho<sup>2</sup>

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<sup>1,2</sup>, Adjane César<sup>2</sup>, Rubim Santos<sup>1</sup>, Joana Carvalho<sup>1</sup>

- 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<sup>Ghent</sup>, Leen Maes<sup>Ghent</sup>, Sarie Martens<sup>Ghent</sup>, Lotte Rombaut<sup>Ghent</sup>, Saartje Vanaudenaerde<sup>Ghent</sup>, Helen Van Hoecke<sup>Ghent</sup>, Els De Leenheer<sup>Ghent</sup>, Ingeborg Dhooge<sup>Ghent</sup>

- 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<sup>Bahce</sup>, Emin Karaman<sup>Istan</sup>, Zahra Polat<sup>Istan</sup>, Birsen Gökyigit<sup>Prof</sup>, Eyyup Kara<sup>Istan</sup>, Sibel Ahmet<sup>Agr&#</sup>, Ahmet Ataş<sup>Istan</sup>

- 1) Bahcesehir University
- 2) Istanbul University- Cerrahpasa
- 3) Prof Dr N Res, at Belger Beyoglu Education and Research Eye Hospital
- 4) Agri Sucatagi State Hospital

ID: 03903

**Balance assessment in children with vertigo**

Katarzyna Iwanicka-Pronicka<sup>1-Dep</sup>, Ewa Szczerbik<sup>2-Dep</sup>, Małgorzata Kalinowska<sup>2-Dep</sup>, Małgorzata Syczewska<sup>2-Dep</sup>

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- 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 24<sup>th</sup> May, 09:00-10:30**

ID: 03960

**Axenfeld-Rieger syndrome: a rare cause of hearing loss.**

Ana Sousa Menezes<sup>Depar</sup>, Daniela Ribeiro<sup>Depar</sup>, Ana Fernandes<sup>Depar</sup>, Vanessa Machado<sup>Depar</sup>, António Lima<sup>Depar</sup>, Luís Dias<sup>Depar</sup>

- 1) Hospital de Braga

ID: 04044

**Hearing Loss And Connective Tissue Disorders In Stickler Syndrome**

Célia Alcobia Gomes<sup>1</sup>

- 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<sup>1</sup>, Attila Nagy<sup>4</sup>, Dóra Török<sup>2</sup>, Katalin Farkas<sup>2</sup>, Nikoletta Nagy<sup>2</sup>, Roland Nagy<sup>1</sup>, Balázs Dimák<sup>1</sup>, János András Jarabin<sup>1</sup>, Márta Széll<sup>2,3</sup>, László Rovó<sup>1</sup>

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- 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 Kabiş<sup>1</sup>, Songül Aksoy<sup>1</sup>



1) Department of Audiology in Hacettepe University

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

ID: 03887

**Otoprotective function of statins**

Pattarawadee Prayuenyong<sup>1,2,3</sup>, Anand V Kasbekar<sup>1,2</sup>, David M Baguley<sup>1,2</sup>

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 Şahin<sup>1</sup>, Songül AKSOY<sup>1</sup>

1) Hacettepe University

ID: 03965

**Experiences of initiating ear and hearing care services in a remote region of the Nepalese Himalayas**

Sandra Eisner<sup>Hda</sup>, Dorchi Nuppa Bhote<sup>NELHO</sup>

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 Eisner<sup>INF</sup>, Michael C.F. Smith<sup>EAN</sup>, Eka Dev Devkota<sup>INF</sup>

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 Laureyns<sup>1,2</sup>, Inge Van Dyck<sup>2</sup>, Romy Hidding<sup>2</sup>, Kaat Vandervelden<sup>2</sup>, Eveline Coppens<sup>2</sup>

1) Amplifon Centre for Research & Studies, Milan, Italy 2) Thomas More University College - Audiology Department, Antwerp, Belgium

ID: 04039

**How professionals assess outcome in clinical hearing rehabilitation**

Katja Lund<sup>Depar</sup>, Dorte Hammershøi<sup>Depar</sup>

1) Department of Electronic Systems, Aalborg University

ID: 04289

**Cholesterol metabolism pathway involved in the recovery of NIHL in miniature pig**

Weiju Han<sup>1</sup>, Na Sai<sup>1</sup>, Weiwei Guo<sup>1</sup>, Chaoying Tang<sup>1</sup>, Tong Zhang<sup>1</sup>, Linjun Chen<sup>1</sup>

1) Chinese PLA general hospital

**Free Paper 22 - Hearing Screening**

**Meeting Room 2, Friday 24<sup>th</sup> May, 15:30-17:00**

ID: 03759

**Hearing loss in infants with evidence of congenital Zika Virus infection**

Janett M.F.<sup>1</sup>, Paulo Cardoso Do Carmo, P.<sup>2</sup>

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<sup>Audio</sup>, Pauline Roche<sup>Publi</sup>

1) *Wexford Community Audiology and Nursing Services*

ID: 03794

**Risk Factors for Hearing Loss in Children**

Janett M.F.<sup>1</sup>, Paulo Cardoso Do Carmo, P.<sup>2</sup>

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<sup>Hosp</sup>, Filipa Moreira<sup>Hosp</sup>, Acácia Silva<sup>Escol</sup>, Ana Menezes<sup>Hosp</sup>, Isabel Costa<sup>Hosp</sup>,  
Luís Dias<sup>Hosp</sup>

1) Hospital de Braga

ID: 03976

**Metrics Reported From Neonatal Hearing Screening Programmes Across Europe**

Allison Mackey<sup>1</sup>, Andrea Bussé<sup>2</sup>, Inger Uhlén<sup>1</sup>, Hans Hoeve<sup>2</sup>, André Goedegebure<sup>2</sup>, Herbert  
Simonsz<sup>3</sup>, EUS€REEN Foundation<sup>4</sup>

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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<sup>1</sup>, Allison Mackey<sup>2</sup>, Hans Hoeve<sup>1</sup>, André Goedegebure<sup>1</sup>, Herbert Simonsz<sup>3</sup>,  
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Europe

ID: 04054

**Ten year experience of audiological screening in people with an intellectual disability:  
European data**

Melina Willems<sup>1,2</sup>, Leen Maes<sup>3,4</sup>, Laura Leyskens<sup>3</sup>, Gerlant van Berlaer<sup>5</sup>, Bjoern Koehler<sup>6</sup>,  
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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<sup>1</sup>, Ana Silva<sup>1</sup>, Tânia Delgado<sup>1</sup>, Joana Luís<sup>1</sup>, Pedro Brazão<sup>1</sup>, Maria Luísa



Monteiro<sup>1</sup>  
1) Hospital Lusíadas Lisboa

ID: 04123

**New tracking software and explanation of underlying functionality in Newborn Hearing Screening**

Peter Böttcher<sup>1</sup>, Orieta Palacios<sup>2</sup>, Peter Matulat<sup>3</sup>

- 1) PATH MEDICAL GmbH
- 2) Hospital Dr. Sotero del Río, Santiago de Chile
- 3) Department for Phoniatrics and Pedaudiology, University Hospital of Münster

ID: 04128

**Universal Neonatal Hearing Screening: A tool of social (in)justice?**

Ana Jardim<sup>CUF D</sup>, Diogo Ribeiro<sup>Unive</sup>, Luísa Monteiro<sup>Lusia</sup>, José Saraiva<sup>CUF D</sup>

- 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<sup>th</sup> May, 17:30-19:00**

ID: 03842

**Development of new screening taste test**

Henryk Skarzynski<sup>1</sup>, Marcin Wojciechowski<sup>1</sup>, Bartłomiej Krol<sup>1</sup>, Piotr Henryk Skarzynski<sup>1,2,3</sup>

- 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<sup>1</sup>, Marcin Wojciechowski<sup>1</sup>, Bartłomiej Krol<sup>1</sup>, Piotr Henryk Skarzynski<sup>1,2,3</sup>

- 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

**Otoacoustic emissions and cochlear microphonic = a non-invasive measurement of intracranial or intralabyrinthine pressure changes**

Fabrice GIRAUDET<sup>1</sup>, Paul AVAN<sup>1</sup>

- 1) Laboratory of Neurosensory Biophysics, UMR INSERM 1107, School of Medicine, University Clermont Auvergne, Clermont-Ferrand, France

ID: 03920

**Influence of Auditory Selective Attention on Cochlear Responses in Humans.**

Annie Moulin<sup>1</sup>, Marina Cappai<sup>1</sup>, Marta Partyka<sup>1</sup>, Nicolas André<sup>1</sup>, Patrick Bouchet<sup>1</sup>, Aurélie Bidet-Caulet<sup>1</sup>

- 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 approach in avaluation of endolymphatic hydrops**

Andreia Rodrigues<sup>1</sup>, Raul Pacheco<sup>2</sup>

- 1) Hospital da Luz Arrábida 2) Hospital da Misericórdia de Vila Verde

**Free Paper 24 - Screening**



**Main Auditorium, Saturday 25<sup>th</sup> 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 Martens<sup>1</sup>, Ingeborg Dhooge<sup>2,3</sup>, Cleo Dhondt<sup>3</sup>, Marieke Sucaet<sup>1</sup>, Saartje Vanaudenaerde<sup>2</sup>, Lotte Rombaut<sup>2</sup>, Leen Maes<sup>1,2</sup>

1) Faculty of Medicine and Health Sciences, Department of Rehabilitation Sciences, Ghent University, Ghent, Belgium

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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 Maes<sup>Ghent</sup>, Sarie Martens<sup>Ghent</sup>, Cleo Dhondt<sup>Ghent</sup>, Marieke Sucaet<sup>Ghent</sup>, Saar Vanaudenaerde<sup>Ghent</sup>, Lotte Rombaut<sup>Ghent</sup>, Ingeborg Dhooge<sup>Ghent</sup>

1) *Ghent University*

2) *Ghent University Hospital*

ID: 03844

**First Polish screening questionnaire of vestibular symptoms**

Piotr Henryk Skarzynski<sup>1,2,3</sup>, Grazyna Tacikowska<sup>1</sup>, Magdalena Sosna<sup>1</sup>, Katarzyna Pietrasik<sup>1</sup>, Marcin Wojciechowski<sup>1</sup>, Anna Ratuszniak<sup>1</sup>

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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 Skarzynski<sup>1</sup>, Marcin Wojciechowski<sup>1</sup>, Piotr Henryk Skarzynski<sup>1,2,3</sup>

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 Skarzynski<sup>1,2,3</sup>, Krzysztof Kochanek<sup>1</sup>, Weronika Swierniak<sup>1</sup>, Justyna Kutyba<sup>1</sup>, Katarzyna Cywka<sup>1</sup>, Henryk Skarzynski<sup>1</sup>

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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 Gasińska<sup>1</sup>, Grażyna Greczka<sup>1</sup>, Piotr Dąbrowski<sup>1</sup>, Małgorzata Wierzbicka<sup>1</sup>, Witold Szyfter<sup>1</sup>

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 Greczka<sup>1</sup>, Katarzyna Wróblewska-Seniuk<sup>2</sup>, Beata Tomczyk<sup>3</sup>, Ilona Korczak<sup>4</sup>, Piotr





Dąbrowski<sup>1</sup>, Monika Zych<sup>1</sup>, Witold Szyfter<sup>1</sup>

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2) Department of Newborns' Infectious Diseases, Poznan University of Medical Sciences, Poland

3) Department of Newborns, Pathology and Intensive Care, SPS ZOZ Zdroje, Szczecin, Poland

4) Department of Gynecology Obstetrics and Neonatology, Wroclaw Medical University, Poland

ID: 03937

**Hearing screening with the Digits-in-Noise: Stages of change and effect of decision support on uptake of intervention**

Karina De Sousa<sup>Unive</sup>, Danielle Schöornborn<sup>Unive</sup>, David Moore<sup>Cinci</sup>, De Wet Swanepoel<sup>Unive</sup>

1) University of Pretoria

ID: 03978

**Intelligent games in audiological rehabilitation: the Pirates game**

Astrid van Wieringen<sup>KU le</sup>, Sara Magits<sup>KU le</sup>, Sam Denys<sup>KU le</sup>, Tom Francart<sup>KU le</sup>, Jan Wouters<sup>KU le</sup>

1) KU leuven

**Free Paper 25 - Speech understanding**

**Small Auditorium, Saturday 25<sup>th</sup> May, 09:00-10:30**

ID: 03782

**Validation of the Polish Sentence Matrix test: sensitivity, specificity, and discrimination accuracy in different masking conditions**

Anna Pastusiak<sup>Insti</sup>, Jędrzej Kociński<sup>Insti</sup>, Anna Warzybok<sup>Mediz</sup>

1) Institute of Acoustics, Adam Mickiewicz University, Poznan, Poland

2) Medizinische Physik and Cluster of Excellence Hearing4all, CvO Universität, Oldenburg, Germany

ID: 03795

**Detecting supra-threshold deficits with easy-to-use speech-in-noise tests**

Jaap Blok<sup>Amste</sup>, Cas Smits<sup>Amste</sup>, Theo Goverts<sup>Amste</sup>

1) Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Otolaryngology/Head and Neck Surgery, Ear and Hearing, de Boelelaan 1117, Amsterdam, The Netherlands

ID: 03881

**Open-set word lists development, using acoustic, psycholinguistics and psychometric factors.**

Annie Moulin<sup>1</sup>, Nicolas Fourcaud-Trocmé<sup>2</sup>

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

ID: 03888

**Comparison of three calibration procedures for free field reference speech audiometry**

Mieke Janssens-bij de Vaate<sup>UMC U</sup>, Koenraad S. Rhebergen<sup>UMC U</sup>

1) UMC Utrecht

ID: 03897

**Determination of the spectral resolution in patients after cochlear implantation**

Marina Goykhuburg<sup>1</sup>, Vigen Bakhshinyan<sup>1</sup>, Dmitry Nechaev<sup>2</sup>, Alexander Supin<sup>2</sup>, George Tavartkiladze<sup>1</sup>

1) National Research Centre for Audiology and Hearing Rehabilitation 2) Institute of Ecology and Evolution



ID: 03921

**Auditory profiling as a tool for characterizing individual hearing deficits: Data-driven analysis of the results of the BEAR Test Battery.**

Raul Sanchez-Lopez<sup>1</sup>, Silje Grini Nielsen<sup>1</sup>, Mouhamad El-Haj-Ali<sup>2</sup>, Oscar Cañete<sup>1</sup>, Mengfan Wu<sup>2</sup>, Michał Fereczkowski<sup>1</sup>, Federica Bianchi<sup>1</sup>, Tobias Neher<sup>2</sup>, Torsten Dau<sup>1</sup>, Sébastien Santurette<sup>1,3</sup>

- 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

ID: 03953

**Noise reduction algorithm ForwardFocus– audiometric test results**

Matthias Hey<sup>1</sup>, Thomas Hocke<sup>2</sup>, Britta Böhnke<sup>1</sup>

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

ID: 04023

**Validation of the Turkish Matrix Sentence Test in Noise**

Meral Turkyilmaz<sup>Hacet</sup>, Büyümin Çıldır<sup>Hacet</sup>, Mehmet Yaralı<sup>Hacet</sup>, Gonca Sennaroğlu<sup>Hacet</sup>, Kamil Adiloğlu<sup>HörTe</sup>, Anna Warzybok<sup>Medic</sup>, Birger Kollmeier<sup>HörTe</sup>

- 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"

ID: 04064

**Construction and validation process of a Hungarian speech recognition test**

Rebeka Schulcz<sup>1</sup>, Ádám Enreiter<sup>2</sup>, Roland Nagy<sup>1</sup>, Balázs Dimák<sup>1</sup>, László Rovó<sup>1</sup>, József Géza Kiss<sup>1</sup>

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

ID: 04102

**Speech Discrimination in Noise: Auditory Implants Evaluation Protocol**

Mafalda Bento<sup>CUF P</sup>, Cristina Miranda<sup>CUF P</sup>, Susana Oliveira<sup>CUF P</sup>, Maria Conceição Peixoto<sup>CUF P</sup>, Victor Correia da Silva<sup>CUF P</sup>

- 1) CUF Porto Hospital

**Free Paper 26 - Vestibular disorders, diagnosis and therapy III**

**Small Auditorium, Saturday 25<sup>th</sup> May, 11:00-12:30**

ID: 03932

**The Infra-Red Utilization In Therapy Of Meniere Disease**

Elio Pagliarulo<sup>S. Fr</sup>

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

ID: 03993

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

Kerem Ersin<sup>depar</sup>, Ilknur Yasak<sup>depar</sup>, Cem Yeral<sup>depar</sup>, Ahmet Öztürk<sup>depar</sup>, M. Bülent Şerbetçioğlu<sup>depar</sup>

- 1) Istanbul Medipol University

ID: 04037

**Dynamic Posturography Rehabilitation Results of A Patient with Bilateral Vestibular**



**Loss: A Case Report**

Emre Gürses<sup>Hacet</sup>, Öznur Yiğit<sup>Hacet</sup>, Songül Aksoy<sup>Hacet</sup>

1) Hacettepe University

ID: 04084

**Vestibular rehabilitation in patients after vestibular schwannoma treatment**

Tânia Delgado<sup>1</sup>, Joana Luís<sup>1</sup>, Ana Catarina Santos<sup>1</sup>, M<sup>a</sup> Conceição Monteiro<sup>1</sup>

1) Hospital Lusíadas Lisboa, Portugal

ID: 04090

**Evaluation Of Masseteric Vestibular Evoked Myogenic Potential (Mvemp) Result In Peripheral vestibulopathy Disease**

Meliha Basoz<sup>Istan</sup>, Ozlem Konukseven<sup>Istan</sup>

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 Gürses<sup>Hacet</sup>, Esmâ Akış<sup>Hacet</sup>, Songül Aksoy<sup>Hacet</sup>

1) Hacettepe University Department of Audiology

ID: 04095

**Evaluation Of Hearing And Balance System In Childhood With Chronic Renal Failure**

Ümit Can Çetinkaya<sup>1</sup>, Hüsni Kayıkcı<sup>1</sup>, Merve Meral<sup>1</sup>, Ahsen Kartal<sup>1</sup>, Büşra Uludağ<sup>1</sup>, İnci Adalı<sup>1</sup>, Özlem Konukseven<sup>1</sup>

1) Departman of Audiology, Faculty of Health Sciences, Istanbul Aydın University

ID: 04100

**Assessment of VHIT and VNG Findings in Whirling Dervishes**

Oznur Şaman<sup>karat</sup>, Ozlem Konukseven<sup>1</sup>

1) Istanbul Aydın University

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

ID: 03758

**Hearing loss in subjects after meningitis**

Janett M.F.<sup>1</sup>, Paulo Cardoso Do Carmo, P.<sup>2</sup>

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 Ajduk<sup>Depar</sup>, Robert Tropic<sup>Depar</sup>, Mihael Ries<sup>Depar</sup>, Andro Kosec<sup>Depar</sup>, Iva Kelava<sup>Depar</sup>

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 Bardanis<sup>1</sup>, Konstantinos Panagiotidis<sup>1</sup>

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 Leyssens<sup>Unive</sup>, Bart Vinck<sup>Unive</sup>, Catherine Van Der Straeten<sup>Unive</sup>, Koen De Smet<sup>ANCA</sup>,

Ingeborg Dhooge<sup>Unive</sup>, Floris L Wuyts<sup>Unive</sup>, Hannah Keppler<sup>Unive</sup>, Sofie Degeest<sup>Unive</sup>, Rebecca



Lim<sup>Unive</sup>, Maes Leen<sup>Unive</sup>

- 1) University of Ghent (Belgium)
- 2) University of Pretoria (South Africa)
- 3) ANCA medical center (Belgium)
- 4) University of Antwerp (Belgium)
- 5) University of Newcastle (Australia)

ID: 03853

**Mastoid cavity obliteration with bioactive glass – a preliminary study**

Piotr Henryk Skarzynski<sup>1,2,3</sup>, Bartłomiej Krol<sup>1</sup>, Marek Porowski<sup>1</sup>, Henryk Skarzynski<sup>1</sup>

- 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 Skarzynski<sup>1</sup>, Bartłomiej Krol<sup>1</sup>, Piotr Henryk Skarzynski<sup>1,2,3</sup>

- 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 Rosenhall<sup>Audio</sup>, Per Muhr<sup>Audio</sup>, Bjorn Skoog<sup>Armed</sup>

- 1) University of Gothenburg

ID: 03885

**Treatment options in otosclerosis**

Thomas Rasse<sup>1</sup>, Thomas Keintzel<sup>1</sup>, Niederwanger Lisa<sup>1</sup>, Müller Sophie<sup>1</sup>

- 1) ENT departement Klinikum Wels-Grieskirchen, Austria

**Free Paper 28 - Tinnitus**

**Meeting Room 2, Saturday 25<sup>th</sup> May, 09:00-10:30**

ID: 03773

**Transcanal sound recordings as a screening tool in the clinical management of patients with pulsatile tinnitus.**

S.W.J. Ubbink<sup>1</sup>, R Hofman<sup>1</sup>, P van Dijk<sup>1,2</sup>, J.M.C. van Dijk<sup>3</sup>

- 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 Hayir<sup>i.U.</sup>, Zahra Polat<sup>i.U.</sup>, Ahmet Ataş<sup>i.U.</sup>

- <sup>1</sup> Department of Audiology, Faculty of Health Sciences, Istanbul University-Cerrahpaşa, Istanbul, Turkey
- <sup>2</sup> 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 Sendesen<sup>hacet</sup>, didem türkyılmaz<sup>hacet</sup>, nurhan erbil<sup>hacet</sup>



1) Hacettepe University

ID: 04075

**Prevalence and Severity of Tinnitus in a Representative Sample of 70 Year Olds**

Maria Hoff<sup>1,2</sup>, Tomas Tengstrand<sup>2</sup>, André Sadeghi<sup>1,2</sup>, Ingmar Skoog<sup>3</sup>, Ulf Rosenhall<sup>1,2</sup>

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 Shen<sup>1</sup>

1) Chinese PLA General Hospital

**Free Paper 29 - The smartphone revolution in audiology**

**Meeting Room 2, Saturday 25<sup>th</sup> May, 11:00-12:30**

ID: 03812

**Should we “swipe right” on app-based patient-provider communication?**

Elizabeth Convery<sup>1</sup>, Margot McLelland<sup>1</sup>, Gitte Keidser<sup>1</sup>, Jennifer Groth<sup>2</sup>

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 Estibariz<sup>1</sup>, Kerri Millward<sup>1</sup>, Deborah Mawman<sup>1</sup>, Martin O’Driscoll<sup>1</sup>

1) Manchester University NHS Foundation Trust

ID: 04060

**Investigation of Changes in Static Balance Parameters During Using of Smartphone**

Emre Orhan<sup>Gazi</sup>, Büşra Altın<sup>Hacet</sup>, Songül Aksoy<sup>Hacet</sup>

1) Gazi University

2) Hacettepe University



## POSTER DISCUSSION

### Poster Discussion 01

**Meeting Room 1, Thursday 23<sup>rd</sup> May, 11:00-12:30**

ID: 03760 -P001

#### **Functional Head impulse test (f HIT test) with Acute vestibular syndrome (AVS)**

Pusara Z.<sup>1</sup>, 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<sup>The J</sup>, Aleksandra Żebrowska<sup>The J</sup>, Grzegorz Juras<sup>The J</sup>, Agata Kruzyńska<sup>Schoo</sup>

1) The Jerzy Kukuczka Academy Physical Education

ID: 03832 - P003

#### **Life quality in patients with vertigo**

Darija Birtic<sup>Unive</sup>, Lana Kovac Bilic<sup>Unive</sup>, Robert Tropic<sup>Unive</sup>

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<sup>Insti</sup>, Margarida Serrano<sup>Insti</sup>

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<sup>1</sup>, Carla Silva<sup>2</sup>, Júlia Guiomar<sup>2</sup>, Tânia Martins<sup>2</sup>

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<sup>1</sup>, Dionisios Klonaris<sup>1</sup>, Maria Doulaptsi<sup>1</sup>, Stylios Velegrakis<sup>1</sup>, Ioannis Vlastos<sup>2</sup>, Emmanuel Prokopakis<sup>1</sup>

1) Department of Otorhinolaryngology - Head and Neck Surgery, University of Crete School of Medicine, Heraklion, Crete, Greece 2) Private Service





ID: 03919 - P007

**Profiling the dizzy patient in an Emergency Department**

Dionisios Klonaris<sup>1</sup>, Kalliopi Gkatzoudi<sup>2</sup>, Ioanna Tsiligianni<sup>2</sup>, Nikolaos Chatzakis<sup>1</sup>, Stylios Velegarakis<sup>1</sup>, Athanasia Milioni<sup>1</sup>, Emmanuel Prokopakis<sup>1</sup>

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2) Clinic of Social and Family Medicine, University of Crete School of Medicine, Heraklion, Crete, Greece

ID: 03970 - P008

**Vestibular rehabilitation after cochlear implantation**

Maria Araújo<sup>1,2</sup>, Luis Rama<sup>2,3</sup>, António Paiva<sup>4</sup>

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

ID: 03982 - P009

**Vestibular Implants: Solution for the Increase of the Vestibulo-Ocular Reflex?**

Mariana Gomes<sup>Insti</sup>, Maria Inês Araújo<sup>Insti</sup>, Cristina Nazaré<sup>Insti</sup>

1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal

ID: 03999 - P087

**Binaural Speech Processing, Temporal Resolution And Reported Hearing Difficulties In Genetically Confirmed Friedreich's Ataxia Patients**

Nehzat Koohi<sup>1,2</sup>, Paola Giunti<sup>3,4</sup>, Gilbert Thomas-Black<sup>3,4</sup>, Doris-Eva Bamiou<sup>1,2</sup>

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

ID: 04036 - P010

**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

ID: 04048 - P011

**Role Of Long-Term Vestibular Rehabilitation In a Patient With Posterior Fossa Tumor – A Case Report With A 2-Year of Follow-Up**

Oğuz Yılmaz<sup>1</sup>, Yuşa Başıoğlu<sup>1</sup>, İlayda Çelik<sup>1</sup>, Mustafa Bülent Şerbetçioğlu<sup>1</sup>

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ID: 04049 - P012

**Validation of the Polish version of the Dizziness Handicap Inventory**

Ewa Zamysłowska-Szmytke<sup>Depar</sup>, Sylwia Szostak-Rogula<sup>Górno</sup>, Mariola Sliwinska-Kowalska<sup>Depar</sup>

1) Nofer Institute of Occupational Medicine, Lodz, Poland

ID: 04050 - P013

**Clinical use of the Dizziness Handicap Inventory**

Mariola Sliwinska-Kowalska<sup>Depar</sup>

1) Nofer Institute of Occupational Medicine, Lodz, Poland

ID: 04053 - P085

**Evaluation Of Hearing Screening Results In Individuals Exposed To Occupational Noise**

Sude Kaymakçı<sup>1</sup>, İrem Cavide Erol<sup>1</sup>, Melek Kekül<sup>1</sup>, Kübra Akdemir<sup>1</sup>, Mustafa Bülent Şerbetçioğlu<sup>1</sup>

1) İstanbul Medipol University



ID: 04071 - P086

**UK first experience with Cochlear's Smart Bimodal Solution: Nucleus 7 and Enzo 3DJohn**

Laura Smith<sup>John</sup>, Jane Humphries<sup>Oxford</sup>

1) John Radcliffe Hospital Audiology Department

ID: 04094 - P014

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

Maja Jovanovic<sup>1</sup>, Miroljub Todorovic<sup>1</sup>, Vladimir R. Pavicevic<sup>1</sup>, Aleksandra Lakovic-Tatar<sup>1</sup>

1) RH "Danilo I"

ID: 04130 - P016

**Auditory Processing Disorder in a patient with a large Cerebellopontine angle (CPA) meningioma**

Nehzat Koohi<sup>1,2</sup>, Sandra Hogg<sup>1</sup>, Claudia Goncalves<sup>1</sup>, Chung Chan<sup>1</sup>

1) Neuro-otology Department, University College London Hospitals

2) The Ear Institute, University College London

**Poster Discussion 02**

**Meeting Room 2, Thursday 23<sup>rd</sup> May, 11:00-12:30**

ID: 03796 - P040

**10-year results of the implementation of comprehensive program for medical and pedagogical rehabilitation of children with hearing impairment in Moscow**

Andrei Kriukov<sup>the S</sup>, Alexey Ivoylov<sup>the S</sup>, Alexander Gurov<sup>the S</sup>, Natalia Kunelskaia<sup>the S</sup>

1) The Sverzhveskiy Otorhinolaryngology Healthcare Research Institute

ID: 03797 - P041

**Hearing potential in children with various forms of chronic suppurative otitis media**

ANDREI Kriukov<sup>the S</sup>, NATALIA Kunelskaya<sup>the S</sup>, ALEXEY Ivoylov<sup>the S</sup>, ALEXANDER Gurov<sup>the S</sup>, GALINA Izotova<sup>the S</sup>

1) The Sverzhveskiy Otorhinolaryngology Healthcare Research Institute, Moscow, Russia

2) Porogov Russian National Research Medical University, Russia

ID: 03798 - P042

**Assessment of hearing in newborns and infants with congenital cytomegalovirus disease**

Andrei Kriukov<sup>the S</sup>, Natalia Kunelskaya<sup>the S</sup>, Alexey Ivoylov<sup>the S</sup>, Galina Izotova<sup>the S</sup>, A.G. Kisina<sup>the S</sup>, Z.N. Morozova<sup>the S</sup>

1) The Sverzhveskiy Otorhinolaryngology Healthcare Research Institute, Moscow, Russia

2) Pirogov Russian National Research Medical University (RNRMU), Russia

ID: 03805 - P066

**A first exploration of the treatment options for people with an acquired brain injury with complaints of hyperacusis**

Saartje Vanaudenaerde<sup>1</sup>, Celine Bernaerdts<sup>Unive</sup>, Emily Delure<sup>Unive</sup>, Mary van der Heijden<sup>Libra</sup>

1) University college VIVES, department of Health Sciences, Speech Therapy & Audiology, Bruges, Belgium 2) Libra Revalidation & Audiology, Audiological Centre Eindhoven, the Netherlands

ID: 03817 - P043

**Congenital Syndrome of Zika Virus and auditory evaluation – case study**

Milaine Sanfins

Instituto de Pesquisa Professor Joaquim Amorim Neto (IPESQ) – Campina Grande, Brazil  
Centro de Eletrofisiologia e Neuroaudiologia Avançada, São Paulo, Brazil

ID: 03839 - P044

**Hearing thresholds in small children with cleft palate**



Birgitta Tengroth<sup>1,3</sup>, Anette Lohmander<sup>2</sup>, Christina Hederstierna<sup>1,3</sup>

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 Vainutiene<sup>1</sup>, Eugenijus Lesinskas<sup>1</sup>, Vytautas Kardelis<sup>2</sup>

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<sup>Insti</sup>, Rui Marques<sup>Insti</sup>, Margarida Serrano<sup>Insti</sup>

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<sup>Karol</sup>, Christina Hederstierna<sup>Karol</sup>, Birgitta Tengroth<sup>Karol</sup>

1) Karolinska University Hospital

ID: 03873 - P092

**Clinical Ent And Audiologic Findings In Neuroborreliosis**

Alen Sekelj<sup>ENT D</sup>, Antoneta Gudelj<sup>ENT D</sup>, Ivana Pajic-Matic<sup>ENT D</sup>, Karolina Veselski<sup>ENT D</sup>

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<sup>1,2</sup>, Julie Bourgeois-Vionnet<sup>3</sup>, Marc Hermier<sup>4</sup>, Agathe Pralus<sup>1,2,5</sup>, Barbara Tillmann<sup>5</sup>, Norbert Nighoghossian<sup>2,3</sup>, Anne Caclin<sup>1,2</sup>

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2) Lyon 1 University, Lyon, France

3) Stroke Department, Neurological Hospital, Hospices Civils de Lyon, Bron, France

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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<sup>Insti</sup>, Cláudia Reis<sup>Insti</sup>, Conceição Monteiro<sup>Hospi</sup>, Luísa Monteiro<sup>Hospi</sup>, Margarida Serrano<sup>Insti</sup>

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<sup>1,2</sup>, Armando Oliveira<sup>2</sup>

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 Orhan<sup>Depar</sup>, Bülent Gündüz<sup>Depar</sup>

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 Ferschner<sup>Audit</sup>, Stephane Gallego<sup>Ins</sup>, Annie Moulin<sup>Lyon</sup>

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ID: 03949 - P047

**Quality of life of schoolchildren who use hearing aids**

Angela Leusin Mattiazzi<sup>Feder</sup>, Renata Machado<sup>Feder</sup>, Laíza Chagas<sup>Feder</sup>, Eduarda Pazini<sup>Feder</sup>, Themis Kessler<sup>Feder</sup>, Eliara Pinto Vieira Biaggio<sup>Feder</sup>

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 CARVALHO<sup>1</sup>, Fabrice GIRAUDET<sup>2</sup>, Luciana M RESENDE<sup>1</sup>, Denise U GONÇALVES<sup>1</sup>, Ana C C GAMA<sup>1</sup>, Amélia A L FRICHE<sup>1</sup>, Stela M A LEMOS<sup>1</sup>, Erika PARLATO-OLIVEIRA<sup>3,4</sup>, Lorena G BICALHO<sup>3</sup>, Ana L F REZENDE<sup>3</sup>, Ludmila LABANCA<sup>1</sup>, Paul AVAN<sup>2</sup>

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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 Marques<sup>1 Ins</sup>, Ana Carvalho<sup>1 Ins</sup>, Carolina Fernandes<sup>2 Ouv</sup>

1) 1 Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal

2) 2 OuveSonus

**Poster Discussion 03**

**Main Auditorium, Thursday 23<sup>rd</sup> May, 14:30-15:30**

ID: 03808 - P017

**Electro Impedance Values And Postoperative Performances In Children With Cochlear Implants**

Faris BRKIC<sup>Depar</sup>, Sekib UMIHANIC<sup>Depar</sup>, Lejla PIRIC<sup>Depar</sup>, Alen HARCINOVIC<sup>Depar</sup>, Fuad BRKIC<sup>Depar</sup>

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



ID: 03837 - P018

**Treatment of deafness with the use of cochlear implants in children with severe heart defects after cardiac surgery**

M. Smiechura<sup>1</sup>, M. Struzycka<sup>1</sup>, W. Konopka<sup>1,2</sup>

1) Department of Otolaryngology, Polish Mother's Memorial Hospital Research Institute, Lodz, Poland

2) Department of Paediatric Didactics, Medical University in Lodz, Poland

ID: 03871 - P019

**The Absence Of Intraoperative Neural Response During Cochlear Implantation: Doubtful Cases**

Luís Castelhana<sup>1</sup>, Rita Sousa<sup>1</sup>, Carla Gonçalves<sup>2</sup>, Ricardo Santos<sup>1</sup>, Luís Reis<sup>1</sup>, Assunção O'neill<sup>1</sup>, Pedro Escada<sup>1</sup>

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

ID: 03904 - P020

**Assessment Of Music Perception Abilities For Pediatric Cochlear Implant Users And Normal Hearing Children**

Eugenijus Lesinskas<sup>1,2</sup>, Donata Vaitkūnaitė<sup>1</sup>, Vija Vainutienė<sup>1</sup>, Jekaterina Byčkova<sup>2,3</sup>

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

ID: 03914 - P021

**Electrode impedance changes in cochlear implant users**

M. Zadrozniak<sup>1</sup>, M. Szymanski<sup>1</sup>

1) Department and Clinic of Otolaryngology and Laryngological Oncology of Medical University of Lublin, Poland

ID: 03916 - P022

**Benefits after cochlear implantation – results from an observational study**

J. Klatka<sup>1</sup>, M. Zadrozniak<sup>1</sup>, M. Szymanski<sup>1</sup>

1) Medical University of Lublin, Department of Otolaryngology and Laryngological Oncology, Lublin, Poland

ID: 03922 - P023

**Patients life quality after cochlear implantation**

Katarzyna Przytuła - Kandzia<sup>Depar</sup>, Lucyna Klimczak - Gołąb<sup>Depar</sup>, Jarosław Markowski<sup>Depar</sup>

1) Department of Laryngology, SPSKM Katowice, Medical University of Silesia, Katowice, Poland

ID: 03971 - P024

**Effects of the cochlear implantation on saccule and utricle function**

Maria Araújo<sup>1,2</sup>, Luis Rama<sup>2,3</sup>, Antonio Paiva<sup>4</sup>

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2) Faculty of Sports Science & Physical Education, University of Coimbra

3) Research Center for Sport & Physical Activity

4) Hospital and University Center of Coimbra

ID: 04014 - P026

**Coffee Effects on the Auditory System**

C. Almeida<sup>1</sup>, C. Nazaré<sup>1</sup>

1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal

ID: 04136 - P029

**Application of new virtual reality tools in rehabilitation of balance instability and vestibular dysfunction**



Oskar Rosiak<sup>1</sup>, Krzysztof Krajewski<sup>1</sup>, Anna Gawrońska<sup>1</sup>, Marcin Szczepanik<sup>2</sup>, Jarosław Walak<sup>2</sup>, Marek Woszczak<sup>2</sup>, Magdalena Jozefowicz-Korczynska<sup>1</sup>

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-Kowarska<sup>I<sup>Dep</sup></sup>, Katarzyna Kolary<sup>II<sup>De</sup></sup>, Michał Skóra<sup>Depar</sup>

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 24<sup>th</sup> 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 Sanfins<sup>1</sup>, Caroline Donadon<sup>1</sup>, Leticia Borges<sup>1</sup>, Thalita Ubiali<sup>1</sup>, Maria Francisca Colella-Santos<sup>1</sup>

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 Mun<sup>1</sup>

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 Capra<sup>IECPN</sup>, Caroline Donadon<sup>UNICA</sup>, Fernanda Fialho<sup>IECPN</sup>

1) Master. Otolaryngologist 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 Olszewski<sup>Depar</sup>, Andrzej Kowalski<sup>Depar</sup>, Wiesław Sułkowski<sup>Depar</sup>, Marzena Mielczarek<sup>Depar</sup>

1) Department of Otolaryngology, Laryngological Oncology, Audiology and Phoniatics – Medical Univeristy of Lodz (Poland)

ID: 03781 - P049

**Influence of stuttering on the P300**

Cláudia Sofia Prata<sup>1</sup>, Carla Matos Silva<sup>1</sup>

1) Instituto Politécnico de Coimbra, ESTESC – Coimbra Health School, Audiologia, Portugal

ID: 03803 - P061

**Audiological Evaluation In The Traumatic Brain Injury – Case Study**

Caroline Donadon<sup>1,2</sup>, Natalia Ferazolli<sup>1,2</sup>, Reinaldo J Gusmão<sup>1</sup>, Adriano Rezende<sup>1</sup>, Piotr H





Skarzynski<sup>3,4,5</sup>, Daniela Capra<sup>6,7</sup>, Milaine D Sanfins<sup>1,7</sup>

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- 2) Universidade Estadual de Campinas, Brazil
- 3) Department of Teleaudiology and Hearing Screening, World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw/Kajetany, Poland
- 4) Department of Heart Failure and Cardiac Rehabilitation, Warsaw, Poland
- 5) Institute of Sensory Organs, Warsaw, Poland
- 6) Instituto Nacional de Neurociência Translacional, Brazil
- 7) Centro de Eletrofisiologia e Neuroaudiologia Avançada, Brazil

ID: 03816 - P051

**The long-term effect of unilateral and bilateral otitis media history on the central auditory nervous system**

Milaine Sanfins<sup>2,3</sup>, Caroline Donadon<sup>2</sup>, Leticia Borges<sup>2</sup>, Thalita Ubiali<sup>2</sup>, Piotr Skarzynski<sup>4,5,6</sup>

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- 4) Institute of Physiology and Pathology of Hearing, Warsaw, Poland
- 5) Department of Heart Failure and Cardiac Rehabilitation, Warsaw, Poland
- 6) Institute of Sensory Organs, Warsaw, Poland

ID: 03824 - P052

**The importance of electrophysiological auditory evaluation in clinical practice: a case study.**

Daniela Capra<sup>Centr</sup>, Caroline Donadon<sup>Clíni</sup>, Natália Ferrazoli<sup>Clíni</sup>, Milaine Sanfins<sup>Centr</sup>

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.

ID: 03900 - P053

**"Wave I amplitude": an invaluable index for the assessment of hidden hearing loss**

Beaud Ludivine<sup>1</sup>, Avan Paul<sup>1</sup>, Giraudet Fabrice<sup>1</sup>

- 1) Laboratory of Neurosensory Biophysics, UMR INSERM 1107, School of Medicine, University Clermont Auvergne, Clermont-Ferrand, France

ID: 03917 - P062

**Fast and robust objective hearing threshold estimation in infants with multiple Auditory Steady-state Responses (ASSR) to chirp stimuli**

Roland Mühler<sup>Depar</sup>, Jesko Verhey<sup>Depar</sup>

- 1) Department of Experimental Audiology, University of Magdeburg, Germany

ID: 03947 - P054

**Mismatch Negativity in children with speech sound disorder**

Eliara Pinto Vieira Biaggio<sup>UFMS</sup>, Amália El Hatal de Souza<sup>UFMS</sup>, Julia Dalcin Pinto<sup>UFMS</sup>, Carolina Lisboa Mezzomo<sup>UFMS</sup>

- 1) Universidade Federal de Santa Maria (UFMS)

ID: 03968 - P055

**Analysis of the components of Frequency-Following Response in Phonological Disorders**

Eliara Pinto Vieira Biaggio<sup>Unive</sup>, Lais Ferreira<sup>Unive</sup>, Marileda Barichello Gubiani<sup>Unive</sup>, Milaine Dominic Sanfins<sup>Centr</sup>, Marcia Keske-Soares<sup>Unive</sup>

- 1) Universidade Federal de Santa Maria (UFMS)

ID: 04024 - P056

**Sound Localization and Auditory Memory in right-handed and left-handed individuals**

Catarina Santos<sup>1</sup>, Cláudia Reis<sup>1</sup>



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<sup>Unive</sup>, Sirley Alves da Sikva Carvalho<sup>Unive</sup>, Ana Cristina Cortes Gama<sup>Unive</sup>, Marden C M Hott<sup>Unive</sup>, Denise Utsch Goncalves<sup>Unive</sup>, Luciana Macedo Resende<sup>Unive</sup>, Amelia Augusta Friche<sup>Unive</sup>, Aline Aparecida Lopes<sup>Unive</sup>, Fabrice Giraudet<sup>Schoo</sup>, Paul Avan<sup>Schoo</sup>, Erika M Parlatto oliveira<sup>Unive</sup>

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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<sup>1</sup>, M. Korzepa<sup>2</sup>, J.H. Christensen<sup>1</sup>, B. Johansen<sup>2</sup>, M.K. Petersen<sup>1</sup>, J.E. Larsen<sup>2</sup>, N.H. Pontoppidan<sup>1</sup>

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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<sup>Oxfor</sup>

1) Oxford Auditory Implant Programme

ID: 04081 - P059

**Evaluation of psychomotor development of children that were qualified for cochlear implantation**

Malgorzata Ganc<sup>1</sup>, Wieslaw Wiktor Jedrzejczak<sup>1</sup>, Bartosz Kochanski<sup>1</sup>, Joanna Kobosko<sup>1</sup>, Paulina Paluch<sup>1</sup>, Monika Lewandowska<sup>2</sup>, Henryk Skarzyski<sup>1</sup>

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 24<sup>th</sup> May, 14:30-15:30**

ID: 03799 - P031

**Central Auditory Processing In Singers With Complaint Of Difficulty In High Frequency Sounds Production**

Loriane Grato de Mesquita<sup>1,2</sup>, Liliane Desgualdo Pereira<sup>1,3</sup>, Gustavo Polacow Korn<sup>1,2</sup>, Noemi Grigoletto de Biase<sup>1,2</sup>

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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<sup>AUTH</sup>, Vasiliki Vivian Iliadou<sup>AUTH</sup>, Ioannis Nimatoudis<sup>AUTH</sup>, Manon Grube<sup>Newca</sup>, Timothy Griffiths<sup>Newca</sup>, Doris-Eva Bamiou<sup>UCL E</sup>

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<sup>Depar</sup>, Vivian Iliadou<sup>Depar</sup>, Ioannis Nimatoudis<sup>Depar</sup>, Doris-Eva Bamiou<sup>Ear I</sup>

1) Department of Medicine, Aristotle University, Greece 2) Ear Institute, University College



London, UK

ID: 03825 - P034

**Towards a French language Version of the Children's Listening and Processing Skills Scale (ECLiPS).**

Lou Seropian<sup>1</sup>, Justine Popieul<sup>1</sup>, Isabelle Soares-Boucaud<sup>1,2</sup>, Annie Moulin<sup>1</sup>

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ID: 03831 - P035

**Test-Retest Reliability of SinB as a Screening Tool for Auditory Processing Disorders**

V. Sofokleous<sup>1</sup>, M. Marmara<sup>1</sup>, G. Panagiotopoulos<sup>1</sup>, S. Mouza<sup>1</sup>, M. Tsofidou<sup>1</sup>, A. Sereti<sup>1</sup>, I. Grigoriadi<sup>1</sup>, E. Petridis<sup>1</sup>, A. Vasiliadis<sup>1</sup>, D. Hatzopoulou<sup>1</sup>, C. Sidiras<sup>1</sup>, M. Tsiourdas<sup>1</sup>, V.V. Iliadou<sup>1</sup>

1) Medical School, Aristotle University of Thessaloniki, Greece.

ID: 03883 - P036

**Detection And Treatment Of Children With Auditory Processing Disorder In Republic Of Serbia**

Neda Milosevic<sup>1</sup>

1) Department of Speech and Language Pathology, College of Social Work, Belgrade, Republic of Serbia

ID: 03890 - P037

**Effect of Noise Exposure on Hearing of Pavilion Athletes**

Andreia Gouveia<sup>Insti</sup>, Ângela Marques<sup>Insti</sup>, Guilherme Ferreira<sup>Insti</sup>, Juliana Pinho<sup>Insti</sup>, Rui Cardoso<sup>Insti</sup>, Jaime Figueiredo<sup>Insti</sup>, Margarida Serrano<sup>Insti</sup>

1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal

ID: 03956 - P038

**Speech Language Impairments and Hearing in Noise: A new French hearing-in-noise Screening Rest. Case Studies.**

Jeremie Ginzburg<sup>Lyo</sup>, Lauren Argouarc'h<sup>Lyo</sup>, Claire Wade<sup>Lyo</sup>, Anne Caclin<sup>Lyo</sup>, Isabelle Soares-Boucaud<sup>Lyo</sup>, Annie Moulin<sup>Lyo</sup>

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ID: 03979 - P039

**Audiovisual Training And Auditory-Only Training: Effects On Temporal Processing In Children With History Of Middle Ear Disease**

Caroline Donadon<sup>1</sup>, Milaine D Sanfins<sup>1</sup>, Leticia R Borges<sup>1</sup>, Maria Francisca Colella-Santos<sup>2</sup>

1) School of Medical Sciences, University of Campinas, Brazil

2) Department of Human Development and Rehabilitation, School of Medical Sciences, University of Campinas, Brazil

ID: 04004 - P025

**Residual hearing in cochlear implant patients with CI532 electrode**

Diana Arweiler-Harbeck<sup>Depar</sup>, Niklas Riemann<sup>Depar</sup>, Laura Holtmann<sup>Depar</sup>, Judith Arnolds<sup>Depar</sup>, Stefan Hans<sup>Depar</sup>, Heike Bagus<sup>Cochl</sup>, Sonja Ludwig<sup>Depar</sup>

1) Department of Otorhinolaryngology University Hospital Essen University Duisburg Essen

2) Cochlear Implant Center CIC Ruhr Essen

ID: 04080 - P027

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



L. Soares<sup>1</sup>, C. Nazaré<sup>1</sup>

1) Instituto Politécnico de Coimbra, ESTESC-Coimbra Health School, Audiologia, Portugal

ID: 04114 - P028

**Case Report: Musical Auditory Training: Elderly With Hearing Loss And Hydrocephalus**

Katya Freire<sup>Audic</sup>, Cristina Félix<sup>Audic</sup>, Millena Sousa<sup>Audic</sup>, Ana Paula Bruner<sup>Audic</sup>

1) Audicare

## Poster Discussion 06

**Meeting Room 1, Saturday 25<sup>th</sup> May, 11:00-12:30**

ID: 03838 - P067

**Bilateral implantation of bone anchored hearing aids in children**

M. Smiechura<sup>1</sup>, M. Struzycka<sup>1</sup>, W. Konopka<sup>1,2</sup>

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 Skarzynski<sup>1,2,3</sup>, Anna Ratuszniak<sup>1</sup>, Bartłomiej Krol<sup>1</sup>, Henryk Skarzynski<sup>1</sup>

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

2) Institute of Sensory Organs, Kajetany, Poland

3) Heart Failure and Cardiac Rehabilitation Department of the Medical University of Warsaw, Poland

ID: 03857 - P074

**Auditory rehabilitation in young children up to 2 years old after the usage of hearing aids**

Katarzyna Cywka<sup>1</sup>, Anna Sztabnicka<sup>1</sup>, Beata Dziendziel<sup>1</sup>, Piotr Henryk Skarzynski<sup>1,2,3</sup>

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ID: 03877 - P075

**The 15iSSQ, a 15 item SSQ short-form: Factor, Cluster, Reliability and Comparative Analyses**

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ID: 03901 - P079

**Pupillometry: new insights to effectively assess listening effort in hearing impaired people.**

Lou Seropian<sup>1,2</sup>, Mathieu Ferschneider<sup>1,2,4</sup>, Fanny Cholvy<sup>1,2</sup>, Stéphane Gallego<sup>2,3,4</sup>, Christophe Micheyl<sup>5,6,7</sup>, Annie Moulin<sup>1,2</sup>



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ID: 03981 - P082

**Rural worker's occupational exposure to agrochemicals, hearing screening and dosage of cholinesterase**

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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**

Stefan Hans<sup>1</sup>, Judith Arnolds<sup>1</sup>, Benjamin Kansy<sup>1</sup>, Florian Christov<sup>1</sup>, Heike Bagus<sup>2</sup>, Stephan Lang<sup>1</sup>, Diana Arweiler-Harbeck<sup>1</sup>

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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**

Lucas Wolski<sup>1</sup>, Wai Kent Yeung<sup>2</sup>, Iracema Leroi<sup>2</sup>, Chryssoula Thodi<sup>3</sup>, Anna Pavlina Charalambous<sup>3</sup>, Catherine Helmer<sup>4</sup>, Roxane Villeneuve<sup>4</sup>, Abebaw Mengistu Yohannes<sup>5</sup>, Ines Himmelsbach<sup>1</sup>, Piers Dawes<sup>2</sup>

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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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ID: 04072 - P072

**Auditory screening at school age: about the grounds**

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ID: 04073 - P073

**Carina changes in actuator impedance measurements, what does it mean for patients?**

Jane Humphries<sup>Oxfor</sup>

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ID: 04087 - P080

**Better Hearing Rehabilitation (BEAR) Study in Denmark: Introducing the Centralized Clinical Database**

Gérard Loguet<sup>1,2</sup>, Vijay Narne<sup>3</sup>, Tobias Piechowiak<sup>4</sup>, Anne Wolff<sup>5</sup>, Sabina Storbjerg Houmøller<sup>3,6</sup>, Dan Dupont Hougaard<sup>1,5</sup>, Jesper Hvass Schmidt<sup>3,6</sup>, Dorte Hammershøj<sup>2</sup>

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ID: 04096 - P081

**Bilateral Facial Paralysis As Initial Manifestation Of Wegener's Granulomatosis**

Mirosljub Todorovic<sup>1</sup>, Maja Jovanovic<sup>1</sup>, Vladimir R. Pavicevic<sup>1</sup>, Aleksandra Lakovic-Tatar<sup>1</sup>

- 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 Ferrazoli<sup>1,2</sup>, Daniela Capra<sup>3,4</sup>, Reinaldo Jordão Gusmão<sup>1</sup>, Renata Unger Lavor<sup>1</sup>, Adriano Rezende<sup>1</sup>, P.H Skarzynski<sup>5,6,7</sup>, Caroline Donadon<sup>1,2</sup>, Milaine Dominici Sanfins<sup>1,4</sup>

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**POSTERS**





ID: 03990 - P064

**Evaluation of different AGC settings in bimodal cochlear implant subjects**

Andreas Buechner<sup>Hanno</sup>, Eugen Kludt<sup>Hanno</sup>, Mark Schuessler<sup>Hanno</sup>, Thomas Lenarz<sup>Hanno</sup>

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ID: 03908 - P097

**Contralateral suppression or enhancement of otoacoustic emissions in elderly people**

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ID: 03923 - P098

**Validation of Lithuanian version of Hearing Handicap Inventory for the Elderly**

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ID: 03774 - P099

**Auditory profile of children with microcephaly and intrauterine infection presumed by Zika virus: analysis of 217 cases of the Brain Institute.**

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ID: 03827 - P100

**The cross-check principle - current and necessary: case report.**

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ID: 03849 -P101

**Phonological Memory in Patients with Head and Neck Tumors**

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ID: 03997 - P102

**Presentation of a questionnaire test made to assess the status of postlingually hearing impaired adult people**

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ID: 03835 - P103

**Elucidating pathological mechanisms of hearing loss induced by hypothyroidism using Duox2 mutant mice**

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ID: 03948 - P104

**The Effects of Auditory Deprivation on Visual Reaction Time and Language Abilities of Adolescents with and without Cochlear Implants**

Aleksandra Zebrowska<sup>1</sup>, Beata Manowska<sup>1</sup>, Agata Kruzynska<sup>2</sup>, Edyta Tominska<sup>3</sup>, Anna Zwierzchowska<sup>2</sup>

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ID: 04284 - P105

**A bio-inspired coding (BIC) strategy for cochlear implants**

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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**

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ID: 04038 - P109

**Usher Syndrome - Hearing And Balance Disorder Plus Visual Impairment**

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ID: 04063 - P110

**A systematic review of cognitive assessments for people with acquired hearing impairment**

Piers Dawes<sup>1</sup>, Annie Pye<sup>1</sup>, Anna Pavlina Charalambous<sup>2</sup>, Wai Kent Yeung<sup>1</sup>, Iracema Leroi<sup>1</sup>, Chryssoula Thodi<sup>2</sup>

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ID: 03772 - P111

**Irish School Entry Screening and Referral Trends and Cohort Comparison with preschool Specialist referrals**

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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 Dąbrowski<sup>1</sup>, Grażyna Greczka<sup>1</sup>, Anna Gasinska<sup>1</sup>, Małgorzata Wierzbicka<sup>1</sup>, Witold Szyfter<sup>1</sup>

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ID: 04127 - P113

**Thirteen year experience with BAHA**

Ana Campos<sup>Hospi</sup>, Diogo Ribeiro<sup>Hospi</sup>, Catarina Tinoco<sup>Hospi</sup>, Cristina Caroça<sup>Hospi</sup>, João Paço<sup>Hospi</sup>

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ID: 03895 -P114

**Impact of stroke on hearing ability**

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ID: 03898 - P115

**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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ID: 03915 - P117

**Audiological Evaluation Using Computational Methods**

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ID: 03961 - P118

**Auditory health of adolescents using personal stereo: an analytical study with questionnaire of inquiry**

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ID: 03984 - P119

**Congenital hypothyroidism and cochlear disorders**

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ID: 04065 - P120

**Glutathione - Involvement in the antioxidant defense of the auditory system**

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ID: 04093 - P121

**Sudden Sensorineural Hearing Loss related to Vertebrobasilar Arterial Insufficiency – a challenge in clinical practise**

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ID: 04138 - P122



**An unusual case of facial palsy caused by penetrating head trauma without temporal bone fracture- case report**

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ID: 03907 - P123

**Efficiency of Distortion Product Otoacoustic Emissions as Ototoxicity Monitoring Method**

Gayane Sargsyan<sup>1,2</sup>, Vigen Bakhshinyan<sup>3</sup>, Varduhi Harutyunyan<sup>1</sup>, Armen Nazanyan<sup>1</sup>, Naira Hovhannesian<sup>2</sup>, Levon Badalyan<sup>2</sup>, Arthur Shukuryan<sup>1</sup>

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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)**

Lou Seropian<sup>1,2</sup>, Mathieu Ferschneider<sup>1,2,4</sup>, Fanny Cholvy<sup>1,2</sup>, Stéphane Gallego<sup>2,3,4</sup>, Annie Moulin<sup>1,2</sup>

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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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