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How professionals assess outcome in clinical hearing rehabilitation

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FREE PAPER SESSIONS

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

ID: 03790

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

Martin Kompis¹, Tom Gawliczek², Marco Caversaccio^{1,2}, Wilhelm Wimmer²

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

2) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Switzerland

ID: 03791

Speech understanding and hearing and with a the non-implantable wearing option Baha SoundArc

Martin Kompis¹, Tom Gawliczek², Marco Caversaccio^{1,2}, Wilhelm Wimmer²

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2) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Switzerland

ID: 03792

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

Martin Kompis¹, Marco Caversaccio^{1,2}, Wilhelm Wimmer²

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

2) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Switzerland

ID: 03852

Bone conduction hearing aids in children younger than 2 years- audiological assessment

Katarzyna Cywka¹, Piotr Henryk Skarzynski^{1,2,3}

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

2) Institute of Sensory Organs, Warsaw / Kajetany, Poland

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

ID: 03854

Audiological benefits after Bonebridge implantation

Piotr Henryk Skarzynski^{1,2,3}, Katarzyna Cywka¹, Bartłomiej Krol¹, Beata Dziendziel¹, Henryk Skarzynski¹

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

ID: 03927

First experiences with the new ADHEAR bone conduction system in Serbia

Bojana Bukurov^{Schoo}, Nenad Arsovic^{Schoo}

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 Bere¹, Adam Perenyi¹, Janos Jarabin¹, Balaz Sztano¹, Ziad Bikhazi², Laszlo Tizslavicz³, Jozsef Geza Kiss¹, Laszlo Rovo¹



- 1) University of Szeged, Department of Otorhinolaryngology, Head and Neck Surgery, Szeged, Hungary
- 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 Borgers¹, Guy Fierens^{1,2,3}, Tristan Putzeys¹, Jan Wouters¹, Astrid van Wieringen¹, Nicolas Verhaert¹

- 1) KU Leuven - University of Leuven, Department of Neurosciences, ExpORL, B-3000 Leuven, Belgium
- 2) Cochlear Technology Centre, Mechelen, Belgium
- 3) KU Leuven – University of Leuven, Department of Physics and Astronomy, Laboratory for Soft Matter and Biophysics, B-3001 Heverlee, Belgium

ID: 04124

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

Katrin Neumann^{Ruhr}

- 1) Ruhr University Bochum, Germany

Free Paper 02 - Cochlear implants I
Small Auditorium, Thursday 23rd May, 09:00-10:30

ID: 03785

Experience with MRI scanning of Hearing Implant Users

Ilona Anderson^{MED-E}, Martin Zimmerling^{MED-E}, Richard Zniva^{MED-E}

- 1) MED-EL

ID: 03806

The variability of fitting parameters across CI centers

Justine Wathour¹, Paul Govaerts², Naïma Deggouj¹

- 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^{MHH}, Svenja Pape^{MHH}, Thomas Lenarz^{MHH}

- 1) Medical University of Hannover (MHH)

ID: 03818

Middle ear infectious complications in cochlear implant patients –our experience

Nina Bozanic Urbancic^{Unive}, Saba Battelino^{Unive}

- 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 Digeser¹, Max Engler¹, Ulrich Hoppe¹

- 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 Mosnier¹, Antoine Vanier², Damien Bonnard³, Eric Truy⁴, Philippe Bordure⁵, Benoit Godey⁶, Mathieu Marx⁷, Emmanuel Lescanne⁸, Frederic Venail⁹, Christine Poncet¹⁰, Olivier Sterkers¹¹



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- 3) Service ORL, Hôpital Pellegrin, Bordeaux, France
- 4) Service ORL, Hôpital Edouard Herriot. Lyon - Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team, CRNL, INSERM U1028, CNRS UMR5292, Lyon, F-69000,
- 5) Service ORL, Hôpital Hôtel Dieu, Nantes, France
- 6) Service ORL, Hôpital 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 Mosnier¹, Yoshie Russo Francesca², Michel Hoen³, Thomas Demarcy³, Marine Ardoint³, Daniele De Seta², Ghizlene Lahlou⁴, Olivier Sterkers¹

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ID: 03878

Cochlear Implant Outcomes in Children with Congenital Inner Ear Anomalies

Dan Yaniv¹, Eyal Raveh², Meirav Sokolov², David Ulanovsky², Hen Mormer², Joseph Attias^{3,4}

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

ID: 03928

Pediatric cochlear implant recipients as adults: A survey

Hillary Ganek^{Cochl}, Mary Lynn Feness^{Cochl}, Gina Goulding^{Cochl}, Gillian Liberman^{Cochl}, Morrison Steel^{Depar}, Leanne Ruderman^{Thana}, Blake Papsin^{Cochl}, Sharon Cushing^{Cochl}, Karen Gordon^{Cochl}

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

Free Paper 03 - Cochlear implants II
Small Auditorium, Thursday 23rd May, 11:00-12:30



ID: 03929

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

J.D. Biesheuvel¹, M.V.S. Goffi-Gomez², C.J. James³, J.J. Briaire¹, H. Mauch³, J.H.M. Frijns¹
1) Leiden University Medical Centre 2) HCFMUSP 3) Cochlear Europe

ID: 03933

Cochlear Microphonic Changes During Cochlear Implantation Are Consistent with Hair Cell Survival and Electrode Contact on the Basilar Membrane

Christofer Bester¹, Stefan Weder², Aaron Collins¹, Anthony Gummer³, Stephen O'Leary¹
1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia
2) Department of ENT, Head and Neck Surgery, University Hospital, Bern, Switzerland.
3) Section Physiological Acoustics and Communication, Dept. Otolaryngology, Eberhard-Karls-University Tübingen, Elfriede-Aulhorn-Straße 5, 72076 Tübingen, Germany

ID: 03934

Results of Intraoperative ECoChG During the Insertion of Two Types of Electrode Array: Slim Modiolar & Straight Electrode

Christofer Bester¹, Stefan Weder², Aaron Collins¹, Stephen O'Leary¹
1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia
2) Department of ENT, Head and Neck Surgery, University Hospital, Bern, Switzerland.

ID: 03935

Intra-Op Hearing Preservation Monitoring using Electrocochleography

Christofer Bester¹, Stefan Weder², Aaron Collins¹, Stephen O'Leary¹
1) Dept. Otolaryngology, University of Melbourne, East Melbourne, VIC, Australia 2) Department of ENT, Head and Neck Surgery, University Hospital, Bern, Switzerland.

ID: 03945

Noise reduction algorithm ForwardFocus– subjective Feedback

Britta Böhnke^{Unive}, Thomas Hocke^{Cochl}, Matthias Hey^{Unive}
1) Universitätsklinikum Schleswig Holstein HNO Klinik

ID: 04008

Impact of cochlear implantation on quality of life – longitudinal study

Marisa Alves^{Facul}, Joaquim Ferreira^{Facul}, Marcelino Pereira^{Facul}, Luis Silva^{ENT D}
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^{ENT D}, Marcelino Pereira^{Facul}, Joaquim Ferreira^{Facul}, Luis Silva^{ENT D}
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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^{ENT D}, Marcelino Pereira^{Facul}, Joaquim Ferreira^{Facul}, Luis Silva^{ENT D}
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2) ENT Department, Coimbra Hospital and University Centre, Portugal

ID: 04011

Translation and cultural adaptation of The Hearing Impairment Impact – Significant Other Profile into European Portuguese

Marisa Alves^{Facul}, Joaquim Ferreira^{Facul}, Marcelino Pereira^{Facul}, Luis Silva^{ENT D}
1) Faculty of Psychology and Educational Sciences, University of Coimbra, Portugal



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Free Paper 04 - Auditory processing Disorders I
Small Auditorium, Thursday 23rd May, 15:30-17:00

ID: 03942

Normalization and evaluation of the UCAST-FW - an adaptive low-pass filtered speech test of APD

Greg A. O'Beirne^{1,2}, Jasmine M. Gibbins¹, Justin Yau¹, Rebecca J. Kelly-Campbell¹

1) University of Canterbury, Christchurch, New Zealand

2) Eisdell Moore Centre, Auckland, New Zealand

ID: 03958

Auditory Skills Informal Protocol: Pilot Study

Inês Martins^{Unive}, Graça Simões Carvalho^{Unive}, Cristiane Lima Nunes^{Unive}, Simone Capellini^{UNESP}

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 Utoomprurkporn¹, Chrysa Spyridakou²

1) UCL ear institute, University College London

2) The Nuffield Hearing and Speech centre, Royal National Throat Nose Ear Hospital, University College London Hospital

ID: 04031

Comparison of Auditory Processing Skills between Children with Unilateral Hearing Loss and Children with Normal Hearing

Aysel Bengi Yerlikaya^{Istan}, Haydar Murat Yener^{Istan}, Zahra Polat^{Istan}, Eyüp Kara^{Istan}, Ahmet Atas^{Istan}

1) Istanbul University-Cerrahpasa, Department of Audiology, Cerrahpasa Medicine Faculty Hospital

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ID: 04076

The possible effects on Auditory processing skills due to conductive (Fluctuating), hearing loss.

Marina Callimachou^{Depar}, Kakia Petinou^{Depar}

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^{Audic}, Cristina Félix^{Audic}, Millena Souza^{Audic}, Ana Paula Bruner^{Audic}

1) Audicare Audiology Clinic (Brazil)

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

ID: 03780

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



Limor Lavie^{Unive}, Michal Biran^{Unive}, Daria Tal^{Unive}
1) University of Haifa

ID: 03801

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

Limor Lavie^{Unive}, Michal Biran^{Unive}, Daria Tal^{Unive}
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 Huber¹, Sebastian Roesch¹, Belinda Pletzer², Julia Lukaschyk³, Anke Lesinski-Schiedat³, Angelika Illg³

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- 3) Department of Otorhinolaryngology, Hannover Medical School, Germany

ID: 03936

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

Zbynek Bures^{1,2}, Oliver Profant^{2,3}, Veronika Svobodova^{2,4}, Diana Tothova^{2,4}, Vaclav Vencovsky², Josef Syka²

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- 4) Department of Otorhinolaryngology and Head and Neck Surgery, 1st Faculty of Medicine, Charles University in Prague, University Hospital Motol, Prague, Czech Republic

ID: 04105

Age-Related Treatment Effect On Sudden Hearing Loss

Merve MERAL^{Istan}, Ahsen KARTAL^{Istan}, Ümit Can ÇETİNKAYA^{Istan}, Büşra ULUDAĞ^{Istan}, İnci ADALI^{Istan}, Özlem KONUKSEVEN^{Istan}

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

ID: 04139

Identification of hearing loss through a single question

Neelke Oosterloc^{Erasm}, Nienke Homans^{Erasm}, Rob J. Baatenburg de Jong^{Erasm}, Arfan Ikram^{Erasm}, Paul Nagtegeaal^{Erasm}, André Goedegebure^{Erasm}

- 1) Erasmus MC

ID: 04150

Restoration of sensory input may improve cognitive and neural function

Hanin Karawani^{Unive}, Samira Anderson^{Unive}
1) University of Haifa
2) University of Maryland

Free Paper 06 - Audiologic diagnosis

Meeting Room 1, Thursday 23rd May, 09:00-10:30

ID: 03784

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

Ioannis Bardanis¹, Konstantinos Panagiotidis¹

- 1) General Hospital of ikaria, Greece



ID: 03847

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

Sheila Aguilera^{Clini}, Margarida Serrano^{Inst}

- 1) Instituto Politécnico de Coimbra, ESTeSC – Coimbra Health School, Audiologia
- 2) Clínica Templado – Audiología Avanzada (Murcia/España)

ID: 03870

Accuracy of Contralateral Occlusion Test in Conductive Hearing Loss

Luís Reis¹, Luís Castelhana¹, Filipe Correia¹, Pedro Escada¹

- 1) Egas Moniz University Hospital, Lisbon

ID: 03946

Feasibility of high frequency bone conduction thresholds for up to 16 kHz using the Westra KLH96 bone conduction transducer

Kimmy Snel^{UMC U}, Koen Rhebergen^{UMC U}

- 1) UMC Utrecht

ID: 04017

Interpretation of wide-band tympanometry using automated pattern recognition

Eliane Ebnoether¹, Anu James Madathilparambil², Volker Roth², Christof Stieger¹

- 1) Department of Otolaryngology, Head and Neck Surgery, University of Basel Hospital, Switzerland
- 2) Department of Mathematics and Computer Science, University of Basel, Switzerland

ID: 04068

Test-retest reliability and validity of ultra-high frequency audiometry without a sound-treated environment in healthy adults and multi-drug resistant tuberculosis patients.

Lebogang Ramma^{Unive}, Lucretia Petersen^{Unive}

- 1) University of Cape Town, South Africa

ID: 04107

Development and Validation of the Arabic CAPT

Hanin Rayes^{UCL}, Ghada Al-Malky^{UCL}, Deborah Vickers^{Cambr}

- 1) UCL
- 2) Department of Speech Hearing and Phonetic Sciences, Faculty of Brain Sciences, University College London, London, UK
- 3) Ear Institute, Faculty of Brain Sciences, University College London, London, UK
- 4) Department of Clinical Neurosciences, Clinical School, University of Cambridge, Cambridge, UK

ID: 04111

The Dynamic Range of Hearing in the High Frequencies (9-16 kHz) in a Population of Normal Hearing Individuals.

Alicja. N. Malicka¹, Andrea Simpson¹, Jevan Price Leggett¹, Julia C. Amezdroz¹, Georgia E. Gooding¹, Ajisha Kizhakumtala¹, Rita Hou², Courtney Burton², Wayne J. Wilson²

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- 2) The University of Queensland

ID: 04122

Multi-Frequency Technology for acoustic Reflexes

Russell Higgs¹, Andre Lodwig^{path}

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



ID: 03860

Normalization Of Galvanic Vestibular Evoked Myogenic Potentials In Healthy Individuals

Nizamettin Burak AVCI^{Trakya}, Zahra POLAT^{Istan}, Ahmet ATAŞ^{Istan}

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ID: 03941

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

Greg A. O'Beirne^{1,2}, Alison M. Cook^{1,2}, Ashleigh J. Allsop¹

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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^{Ankar}, Banu Müjdecı^{Ankar}

1) Ankara Yıldırım Beyazıt University

ID: 04119

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

Emel Uğur¹, Özlem Konukseven²

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 Adalı¹, Ümit Can Çetinkaya¹, Merve Meral¹, Ahsen Kartal¹, Büşra Uludağ¹, Barış Tansu Özal², Özge Melike Gün¹, Zeynep Önerci Altunay², Haluk Özkarakaş², Özlem Konukseven¹

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2) Acıbadem Kadıkoy Hospital, Audiology Department

Free Paper 08 - Devepment of hearing throughout life

Meeting Room 1, Thursday 23rd May, 17:30-19:00

ID: 03807

Towards Predictions of Individual Benefits with Real Hearing Aids

David Hülsmeier^{Mediz}, Anna Warzybok^{Mediz}, Birger Kollmeier^{Mediz}, Marc René Schädler^{Mediz}

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ID: 03846

Personal Stereos And Adolescence: Pleasure Or Risk

Carla Bahillo-Neves^{audio}

1) Audiotex

ID: 03930

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

NURIYE YILDIRIM^{Gazi}, BÜLENT GÜNDÜZ^{Gazi}, HAKAN TUTAR^{Gazi}, RECEP KARAMERT^{Gazi}, ŞADIYE BACIK TRANK^{Gazi}

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ID: 03957

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

Jeremie Ginzburg^{Lyon}, Lesly Fornoni^{Lyon}, Justine Popieul^{Lyon}, Caroline Pierre^{Lyon}, Anne Caclin^{Lyon}, Annie Moulin^{Lyon}

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

ID: 03983

DHH Students Perception of School Inclusion through different school environments.

Edyta Tominska¹, Anna Zwierzchowska², Agata Kruzynska², Aleksandra Zebrowska³

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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^{Erasm}, Pauline Croll^{Erasm}, Trudy Voortman^{Erasm}, Meike Vernooij^{Erasm}, Arfan Ikram^{Erasm}

1) Erasmus MC

Free Paper 09 - Audiological rehabilitation

Meeting Room 2, Thursday 23rd May, 09:00-10:30

ID: 03828

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

Tatiana Marques^{Insti}, Filipa D. Marques^{Insti}

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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^{1,2,3}, Virginie ATTINA^{1,2,3}, Evelyne VEUILLET^{1,2,3}, Hung THAI-VAN^{1,2,3}

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

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ID: 03906

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

Nikolaos Trimmis¹, Dimitra Chaldi², Stefanos Naxakis³

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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^{1,2}, Anna Warzybok^{1,2}, Marc René Schädler^{1,2}, Birger Kollmeier^{1,2,3}

1) Medizinische Physik, Universität Oldenburg, Oldenburg, Germany

2) Cluster of Excellence Hearing4all, Oldenburg, Germany

3) HörTech gGmbH, Oldenburg, Germany

4) Hearing, Speech and Audio Technology, Fraunhofer IDMT, Oldenburg, Germany



ID: 03994

Speech perception in noise by school-aged children with dyslexia: Is there a benefit of envelope enhancement?

Tilde Van Hirtum^{1, KU}, Pol Ghesquière^{2, KU}, Jan Wouters^{1, KU}

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^{1,2}

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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^{Unive}, Nuzhat Sultana^{Unive}, Suzanne Purdy^{Unive}

1) University of Hong Kong

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

ID: 03810

Topic: Recruiting the other ear in SSD and biomodal fitting

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

Anne Hast¹, Paul Lehmann¹, Patrick Munder², Matthias Hey², Hoppe Ulrich¹

1) CICERO - CI 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^{Erasm}, Gertjan Dingemans^{Erasm}, Marc van der Schroeff^{Erasm}, André Goedegebure^{Erasm}

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^{Depar}, Anna Möller^{Depar}, Heike Bagus^{Cochl}, Thomas Scholz^{Cochl}, Stephan Hans^{Depar}, Laura Holtmann^{Depar}

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2) Cochlear Implant Center Ruhr Essen Germany

ID: 04045

10 years of Cochlear Implantation in Single Sided Deaf patients- a critical review

Anja Kurz^{Depar}, Marius Grubenbecher^{Depar}, Maren Zanzinger^{Depar}, Rudolf Hagen^{Depar}, Kristen Rak^{Depar}, Kühn Heike^{Depar}

1) Department of Otolaryngology, University Hospital Würzburg, Comprehensive Hearing Center

Free Paper 11 - Pediatric Audiology



Meeting Room 2, Thursday 23rd May, 17:30-19:00

ID: 03776

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

Patrik Westerkull^{Otori}

1) Otorix Research / Chalmers University of Technology

ID: 03789

Vestibular Function in Children with Neurodevelopmental Disorders: A Systematic Review

R. Van Hecke¹, M. Danneels¹, I. Dhooge^{2,3}, H. Van Waelvelde¹, J.R. Wiersema⁴, F.J.A. Deconinck⁵, L. Maes^{1,2}

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2) Ghent University Hospital, Department of Otorhinolaryngology, Ghent, Belgium

3) Ghent University, Department of Head and Skin, Ghent, Belgium

4) Ghent University, Department of Experimental-Clinical and Health Psychology, Ghent, Belgium

5) Ghent University, Department of Movement and Sports Sciences, Ghent, Belgium

ID: 03872

Selection of Material for Speech Audiometry Testing in Young Greek-Speaking Children

Nikolaos Trimmis¹, Dimitra Chaldi²

1) Department of Speech & Language Therapy, TEI of Western Greece

2) Faculty of Social Sciences, Brock University, Canada

ID: 03943

Development of a paediatric version of the University of Canterbury Auditory-Visual Matrix Sentence Test.

Greg A. O'Beirne^{1,2}, Pace M. Jenkins-Foreman¹, Marie Lay¹, Rebecca J. Kelly-Campbell¹

1) University of Canterbury, Christchurch, New Zealand 2) Eisdell Moore Centre, Auckland, New Zealand

ID: 04042

Assessing Gross Motor Skills Of Children With Cochlear Implants And Children With Normal Hearing

Selma Yılar^{Istan}, Duygu Hayır^{Istan}, N.Burak Avcı^{Traky}, Sare Ocak^{Istan}, Z. Dilek Gülmez^{Istan}, Hatice Demir^{Istan}, Soner Güler^{Istan}, Duygu Özdemir^{Istan}, Zeynep İkizoğlu^{Istan}, Emin Karaman^{Istan}, Zahra Polat^{Istan}

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2) Department of Audiology, Faculty of Health Science, Istanbul University Cerrahpasa, Istanbul, Turkey

3) Department of Audiology, Faculty of Health Science, Trakya University, Edirne, Turkey

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

ID: 04046

Classical Play Audiometry Versus Animated Play Audiometry

İlayda Çelik^I, Kerim Yetkin Kurnaz^I, Yuşa Başoğlu^I, Oğuz Yılmaz^I, Mustafa Bülent Şerbetçioğlu^I

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^{Istan}, Merve Çınar^{Anado}, Figen Başar^{Ondok}, Zahra Polat^{Istan}

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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 Polainas¹, Filipa Ferreira¹, Vítor Proença¹, Luís Antunes¹

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

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

ID: 03951

Individualized models of the auditory nerve response to cochlear implant stimulation

Bernhard Seeber¹, Marko Takanen¹, Kauê Werner¹

1) Audio Information Processing, Technical University of Munich

ID: 03952

Objective Measures To Characterize The Electrical Properties Of The Cochlear Implant (Ci) Electrode Array And The Surrounding Tissue

Goetz Brademann¹, Angel Ramos de Miguel², Juan Carlos Falcon², Timo Stoever³, Manuel Manrique⁴, Robert Cowan⁵, Ulrich Hoppe⁶, Matthias Hey¹, Uwe Baumann⁷, Alicia Huarte⁸, Tim Liebscher⁶, Riaan Rottier⁹, Nicole Neben¹⁰, Angel Ramos¹¹

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3) Otorhinolaryngology - Head and Neck Surgery, Klinikum der J.W. Goethe-Universität, Frankfurt, Germany

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

5) HEARing CRC, University of Melbourne, Carlton, Australia

6) Audiology, Universitätsklinikum Erlangen, Erlangen, Germany

7) Audiology Klinikum der J.W. Goethe-Universität, Frankfurt, Germany

8) Audiology, Clínica Universidad de Navarra, Pamplona, Spain

9) Sound Processors and Clinical Care, Cochlear, Sydney, Australia

10) Clinical Studies, Cochlear, Hannover, Germany

11) Otorhinolaryngology - Head and Neck Surgery, Complejo Hospitalario Universitario Insular Materno-Infantil de Gran Canaria, Las Palmas, Spain

ID: 03954

Short-Term And Long-Term Hearing Performance In 150 Subjects Provided With A Ci532

Ulrich Hoppe¹, Timo Stoever², Uwe Bauman², Alexander Mewes³, Tim Liebscher¹, Marc Schuessler⁴, Antje Aschendorff⁵, Thomas Wesarg⁵, Andreas Buechner⁴, Nicole Neben⁶, Matthias Hey³

1) Audiology, Universitätsklinikum Erlangen, Erlangen, Germany, Hearing Center,

2) ENT clinic, Klinikum der J.W. Goethe-Universität, Frankfurt, Germany,

3) Audiology, Universitätsklinikum Schleswig-Holstein, Kiel, Germany,

4) German Hearing Center at Medizinische Hochschule Hannover, Hannover, Germany,

5) ENT clinic, University of Freiburg, Freiburg, Germany,

6) Clinical studies, Cochlear, Hannover, Germany,

ID: 03959

Investigation of Electrically Evoked Auditory Brainstem Responses Changes in Children with Sequential Bilateral Cochlear Implants

Burcu Deniz¹, EYYUP KARA¹, ZAHRA POLAT¹, RIŞVAN DENİZ², AHMET ATAŞ³

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- 2) Istanbul University- Cerrahpaşa, Cerrahpaşa Medical Faculty Hospital, Department of Audiology
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^{Hanno}, Eugen Kludt^{Hanno}, Mark Schuessler^{Hanno}, Thomas Lenarz^{Hanno}

1) Hannover Medical School

ID: 04000

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

M. Mashaly^{Otor}

1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04002

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

M. Mashaly^{Otor}

1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04003

Cochlear Implantation in Bilateral Profound Deafness after Head Trauma

M. Mashaly^{Otor}

1) Otorhinolaryngology, Audiology Department, Cairo University, Egypt

ID: 04022

Objective help for CI fitting – AutoART and applications

Balazs Dimak¹, Roland Nagy¹, Adam Perenyi¹, Janos Andras Jarabin¹, Rebeka Schulcz¹, Laszlo Rovo¹, Jozsef Geza Kiss¹

1) University of Szeged, Department of Otorhinolaryngology, Head and Neck Surgery

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

ID: 04030

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

Tânia Martins^{Hospil}, Diogo Ribeiro^{Hospil}, Jorge Oliveira^{Copel}, Mafalda Almeida^{Hospil}, Vera Lourenço^{Hospil}, João Paço^{Hospil}

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 Neves¹, Jorge Humberto Martins¹, Susana Andrade¹, Graça Oliveira¹, Joana Sanches Pires¹, Marisa Alves¹, Helena Alves¹, Daniela Ramos¹, Ricardo Caiado¹, João Elói Moura¹, Jorge Quadros¹, Felisberto Maricato¹, Luis Filipe Silva¹

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

ID: 04089

Swiss National Cochlea Implant Register: Preliminary Analysis of Speech Development

Katrin Siegwolf¹, Anette Voswinckel¹, Maïke Lipp², Claudia Ohnsorg³, Luzia Bayard⁴, Christof Steiger^{1,5}

1) Department of ENT, University of Basel Hospital, Switzerland



- 2) Department of ENT, Head and Neck Surgery, University Hospital of Zurich, Switzerland
- 3) Department of ENT, Head and Neck Surgery, Cantonal Hospital Lucerne, Lucerne, Switzerland
- 4) Department of ENT, Head and Neck Surgery, University of Bern, Inselspital, Berne, Switzerland
- 5) CICH, Working Group for Cochlear Implants of the Swiss ENT Society, Switzerland

ID: 04103

Objective and subjective results with two types of electrodes and the same cochlear implant electronics in pediatric subjects

Adam Perenyi^{Unive}, Ferenc Toth^{Unive}, Balazs Dimak^{Unive}, Roland Nagy^{Unive}, Zsofia Bere^{Unive}, Jozsef Geza Kiss^{Unive}, Laszlo Rovo^{Unive}

ID: 04108

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

Julie Hare², Tracey Sear², Debi Vickers¹

- 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 Tinoco¹, Diogo Ribiero¹, Ana Campos¹, Pedro Henriques¹, Hugo Estibeiro^{1,2}, João Paço¹

- 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 Luís¹, Tânia Delgado¹, João Januário², Carla Gonçalves², M^a Luisa Monteiro¹

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

ID: 04125

Cochlear implantation in patients with Ménière's disease

Diogo Ribeiro^{Hospi}, Cristina Carocha^{Hospi}, João Paço^{Hospi}

- 1) University Clinical Center of Otorhinolaryngology of Hospital CUF Infante Santo 2) NOVA Medical School, Universidade Nova de Lisboa

ID: 04137

Personalized electrode array insertion for cochlear implantation

O. Sterkers¹, Y. Nguyen¹, R. Torres¹, D. De Seta¹, M. Drouillard¹, D. Bernardeschi¹, I. Mosnier¹

- 1) Sorbonne Universities and Inserm/UMR-S1159, APHP Groupe Hospitalier Pitié Salpêtrière, Paris, France

ID: 04140

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

Tim Fischer^{1,2}, Christoph Schmid², Martin Kompis², Georgios Mantokoudis², Marco Caversaccio^{1,2}, Wilhelm Wimmer^{1,2}

- 1) Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern, Bern, Switzerland
- 2) Department of ENT, Head and Neck Surgery, Inselspital, Bern University Hospital, University of Bern, Bern, Switzerland

Free Paper 14 - Electrophysiology and audiology
Small Auditorium, Friday 24th May, 11:00-12:30



ID: 03882

How to identify auditory neural energetic vulnerability

Fabrice GIRAUDET¹, Paul DELTENRE², Paul AVAN¹

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

2) CHU Brugmann, Université Libre de Bruxelles, Belgium

ID: 03889

Artificial intelligence is effective in auditory brainstem response analysis

Richard McKearney¹, Robert MacKinnon²

1) Department of Audiology, Guy's and St. Thomas' NHS Foundation Trust, London, UK

2) Department of Vision and Hearing Sciences, Anglia Ruskin University, Cambridge, UK

ID: 03931

The Investigation of the Relationship Between Frequency-Specific Hearing Loss and ALLR in Normal Hearing and Hearing Loss Individuals: Preliminary Research

Özlem Beşik^{Gazi}, Nuriye Yıldırım^{Gazi}, Emre Orhan^{Gazi}, Bülent Gündüz^{Gazi}, Hakan Tutar^{Gazi}, Recep Karamert^{Gazi}

1) Gazi University

ID: 03940

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

David Jackson Morris^{Unive}, John Tøndering^{Unive}, Magnus Lindgren^{Lund}

1) University of Copenhagen, Department of Nordic Studies and Linguistics, Speech Pathology and Audiology 2) Lund University, Department of Psychology

ID: 03944

Estimation of the degree and configuration of hearing loss using ASSR evoked by amplitude modulated noise

Thamara Santos¹, Jeferson Jhone Silva², Danilo Barbosa Melges², Otávio Gomes Lins³, Carlos Julio Tierra-Criollo⁴

1) Graduate Program in Neuroscience, Federal University of Minas Gerais, Belo Horizonte, Brazil 2) Graduate Program in Electrical Engineering, Federal University of Minas Gerais, Belo Horizonte, Brazil 3) Graduate Program in Neuropsychiatry, Federal University of Pernambuco, Recife, Brazil 4) Biomedical Engineering Program, Alberto Luiz Coimbra Institute of Graduate Education and Research in Engineering, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

ID: 04029

Assessment Of Auditory Functions In Patients With Diabetes

Ebru Kara¹, Eyyup Kara¹, Emine Deniz Gözen², Ahmet Ataş²

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

ID: 04043

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

Ebru Zeren^{Depar}, Nurhan Erbil^{Depar}, Meral Didem Türkyılmaz^{Depar}

1) Department of Audiology, Hacettepe University

ID: 04056

ABR in preschool children with speech disorders

Ivana Aras¹, Sanja Vlahović¹, Siniša Stevanović², Tereza Cvjetko¹

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2) Clinical Hospital "Sisters of Mercy"



ID: 04082

Objective measures of the auditory discrimination abilities in young children with CI
Paulina Paluch¹, Bartosz Kochański¹, Małgorzata Ganc¹, Jakub Wojciechowski^{1,2}, Rafał Milner¹, Henryk Skarżyński¹

- 1) Institute of Physiology and Pathology of Hearing, Warsaw, Poland
- 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^{Depar}, Eyyup KARA^{Depar}, Ahmet ATAS^{Depar}, E.Deniz GOZEN^{Depar}

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

ID: 04121

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

Ahsen Kartal¹, Büşra Uludağ¹, Merve Meral¹, Ümit Can Çetinkaya¹, Eyup Hakan Şafakoğlu¹, Betül Tekinay¹, Mustafa Mola¹, İnci Adalı¹, Özlem Konukseven¹

- 1) Audiology Department, Faculty of Health Sciences, Istanbul Aydın University

Free Paper 15 - Auditory Processing Disorders II
Small Auditorium, Friday 24th May, 15:30-17:00

ID: 03778

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

Tone Stokkerei Mattsson^{Depar}, Ola Lind^{Depar}, Turid Follestad^{Depar}, Kjell Grøndahl^{Depar}, Wayne Wilson^{Schoo}, Ståle Nordgård^{Depar}, Stein Andersson^{Depar}

- 1) Ålesund Hospital

ID: 03820

A functional model for understanding the "process" of processing

Jeanane Ferre^{Jeana}

- 1) Jeanane M Ferre, PhD

ID: 03821

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

Jeanane Ferre^{Jeana}

- 1) Jeanane M Ferre, PhD

ID: 03822

The M3 model for treating central auditory processing disorders

Jeanane Ferre^{Jeana}

- 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^{Gazi}, BÜLENT GÜNDÜZ^{Gazi}

- 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^{1, 2}, C. C. Y Mak¹, F. K. H. Fung¹, H. Y. Mou³, C. M. K. Cheung¹, X. Y. Qiu^{1, 2}, S. K. L. Sam¹

1) Department of Special Education & Counselling, The Education University of Hong Kong

2) Integrated Centre for Well-Being, The Education University of Hong Kong

3) Bionic Ear and Sound Technology Laboratory, Shanghai Acoustics Laboratory, Chinese Academy of Sciences, Shanghai, China

ID: 03892

Auditory Processing Disorder in children: interest of a multidisciplinary assessment

Isabelle Rouillon¹, Aude De Lamaze¹, Marlène Ribot¹, Gregory Collet², Marine Parodi¹, Françoise Denoyelle¹, Natalie Loundon¹

1) 1 Service d'ORL pédiatrique et de Chirurgie Cervico-faciale. Necker Enfant-Malades, AP-HP, Paris, France

2) 2 Faculté des Sciences Psychologiques et de l'Éducation, Université libre de Bruxelles, Belgique

Free Paper 16 - Hearing and Cognition

Small Auditorium, Friday 24th May, 17:30-19:00

ID: 03802

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

Limor Lavie^{Unive}, Hussam Abu Jaber^{Unive}, Ismael Abu Freh^{Unive}, Maayan Agmon^{Unive}

1) University of Haifa

ID: 03823

The link between hearing loss, vestibular loss and cognition

Bieke Dobbels^{Unive}, Griet Mertens^{Unive}, Annick Gilles^{Unive}, Julie Moyaert^{Unive}, Raymond Van de Berg^{Maast}, Olivier Vanderveken^{Unive}, Paul Van de Heyning^{Unive}, Vincent Van Rompaey^{Unive}

1) University Hospital of Antwerp

ID: 03938

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

Andreea Micula^{Otico}, Elaine Ng^{Otico}, Fares El-Azm^{Otico}, Jerker Rönnerberg^{Linna}

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^{1,2}, Sergi Costafreda Gonzalez³, Joshua Stott⁴, Doris Eva Bamiou¹

1) UCL ear institute, University College London

2) Faculty of Medicine, Chulalongkorn university

3) Division of psychiatry, Faculty of brain science, University College London

4) Division of psychology and language science, Faculty of brain science, University College London

ID: 03995

Can you feel the effort? Listening in ecologically relevant environments

Annelies Devesse^{KUL}, Astrid van Wieringen^{KUL}, Jan Wouters^{KUL}

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 Leroi^{Unive}, Zoe Simkin^{Unive}, Emma Hooper^{Unive}, Anna Pavlina Charalambous^{Europ},
Chryssoula Thodi^{Europ}

1) University of Manchester 2) European University Cyprus

Free Paper 17 - Hearing Aids

Meeting Room 1, Friday 24th May, 09:00-10:30

ID: 03875

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

Mengfan Wu¹, Raul Sanchez-Lopez², Mouhamad El-Haj-Ali¹, Silje Grini Nielsen², Michal Fereczkowski², Federica Bianchi², Torsten Dau², Sébastien Santurette^{2,3}, Tobias Neher¹

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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 Kramer¹, Dirk Oetting², Ania Warzybok¹, Marc René Schädler¹, Volker Hohmann¹

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

2) HörTech gGmbH, Oldenburg, Germany

ID: 03964

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

Mathieu Ferschneider^{1,2}, Alexane Hochart^{3,4}, Brieux Cazals^{3,4}, Nicolas Henriot^{3,4}, Annie Moulin¹

1) Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team (DYCOG), Perception, Attention and Memory group (PAM), Inserm U1028, CNRS UMR 5292, University of Lyon, F-69000 Lyon, France,

2) Audition Conseil, Lyon, France,

3) Université C. Bernard Lyon 1, Lyon, France

4) . Institut des Sciences et Technologies de Réadaptation (ISTR), University of Lyon, Lyon, France.

ID: 04079

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

Dorte Hammershøj^{Aalbo}

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^{Uskud}, Zahra Polat^{Istan}, Ahmet Atas^{Istan}

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) Clinica Barajas, Santa Cruz de Tenerife, Spain

ID: 04116

Audiology with two ears: Does binaural hearing influence the loudness mismatch between free-field and headphone presentation?

Florian Denk¹, Michael Kohnen², Josep Llorca Bofir², Michael Vorländer², Birger Kollmeier¹

1) Medizinische Physik and Cluster of Excellence Hearing4all, University of Oldenburg, Germany

2) Institute of Technical Acoustics, RWTH Aachen University, Germany

ID: 04118

Loudness matching to measure spectral and binaural loudness summation in bilateral hearing aid fittings.

Monique Boymans^{Acade}, Maarten van Beurden^{Acade}, Dirk Oetting^{3. Hö}, Birger Kollmeier^{4. Me}, Wouter Dreschler^{1. Ac}

1) Academic Medical Center, Department of Clinical & Experimental Audiology, Amsterdam, The Netherlands

2) Libra Rehabilitation & Audiology, Eindhoven, The Netherlands

3) HörTech gGmbH and Cluster of Excellence Hearing4all, Oldenburg, Germany

4) Medizinische Physik, Universität Oldenburg, Oldenburg, Germany

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

ID: 03859

Measuring aided thresholds with active middle ear implants

Bernd Waldmann^{Cochl}

1) Cochlear

ID: 03972

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

U. A. Gamm^{1,2}, H. Maier¹

1) Dept Otolaryngology, Hannover Medical School, Hannover, Germany

2) Cochlear Ltd., Sydney, Australia

ID: 03973

Actuator performance for different coupling configurations of the Cochlear™ Carina® active middle ear implant

U. A. Gamm^{1,2}, H. Maier¹

1) Dept Otolaryngology, Hannover Medical School, Hannover, Germany

2) Cochlear Ltd., Sydney, Australia

ID: 03988

Intraoperative determination of the coupling efficiency of the middle ear implant Carina(R) by means of auditory evoked potentials

Mario Cebulla¹, Rudolf Hagen¹, Kristen Rak¹, Ute Geiger¹

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ID: 04007

Sound source localization in patients with cochlear implant and hearing aid with harmonized temporal processing of sound signals

Josef Seenacher¹, Patrick Zorowka¹, Kurt Stephan¹

1) Department for Hearing, Speech and Voice Disorders, Medical University of Innsbruck

ID: 04067



Marker for Microstructure destruction of Cochlea with Slim Perimodiolar Cochlear Implant Electrode Array

Roland Nagy¹, János András Jarabin¹, Balázs Dimák¹, Ádám Perényi¹, Csanády Miklós¹, József Jóri¹, József Géza Kiss¹, László Rovó¹

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

ID: 04074

Case Report of the Change in In-situ Microphone Sensitivity of a Patient implanted with a Fully-Implantable Middle Ear Implant

D'hondt Christiane^{1,3}, Wouters Jan¹, Verhaert Nicolas^{1,2}

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 24th May, 17:30-19:00

ID: 03762

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

Solara Sinno^{Unive}, Kim Abouchacra^{Ameri}, Philippe Perrin^{Unive}, Georges Dumas^{CHU d}

1) Université de Lorraine

ID: 03786

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

Leen Maes^{Ghent}, Ingeborg Dhooge^{Ghent}, Cleo Dhondt^{Ghent}

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^{Ghent}, Ruth Van Hecke^{Ghent}, Hannah Keppler^{Ghent}, Sofie Degeest^{Ghent}, Dirk Cambier^{Ghent}, Raymond van de Berg^{Maast}, Vincent Van Rompaey^{Antwe}, Leen Maes^{Ghent}

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^{Ankar}, Banu BAS^{Ankar}, Banu MUJDECI^{Ankar}

1) Ankara Yildirim Beyazıt University

ID: 03829

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

Paulo Carmo^{1,2}, Adjane César², Rubim Santos¹, Joana Carvalho²

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ID: 03830



Combined program of aerobic and strength exercise training Effects on modified Clinical Test Sensory Interaction on Balance in Elderly

Paulo Carmo^{1,2}, Adjane César², Rubim Santos¹, Joana Carvalho¹

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- 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^{Ghent}, Leen Maes^{Ghent}, Sarie Martens^{Ghent}, Lotte Rombaut^{Ghent}, Saartje Vanaudenaerde^{Ghent}, Helen Van Hoecke^{Ghent}, Els De Leenheer^{Ghent}, Ingeborg Dhooge^{Ghent}

- 1) Ghent University
- 2) Ghent University Hospital

ID: 03893

The Effect Of The Changes In The Visual System On Balance In Strabismus Patients

Serpil Hülya Ahmet^{Bahce}, Emin Karaman^{Istan}, Zahra Polat^{Istan}, Birsen Gökyigit^{Prof}, Eyyup Kara^{Istan}, Sibel Ahmet^{Agr&#}, Ahmet Ataş^{Istan}

- 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^{1-Dep}, Ewa Szczerbik^{2-Dep}, Małgorzata Kalinowska^{2-Dep}, Małgorzata Syczewska^{2-Dep}

- 1) 1-Department of Audiology and Phoniatics, The Children's Memorial Health Institute, Al Dzieci Polskich 20; 04-730 Warsaw, Poland
- 2) 2-Department of Rehabilitation, The Children's Memorial Health Institute, Al Dzieci Polskich 20; 04-730 Warsaw, Poland

Free Paper 20 - Genetics

Meeting Room 2, Friday 24th May, 09:00-10:30

ID: 03960

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

Ana Sousa Menezes^{Depar}, Daniela Ribeiro^{Depar}, Ana Fernandes^{Depar}, Vanessa Machado^{Depar}, António Lima^{Depar}, Luís Dias^{Depar}

- 1) Hospital de Braga

ID: 04044

Hearing Loss And Connective Tissue Disorders In Stickler Syndrome

Célia Alcobia Gomes¹

- 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 Kiss¹, Attila Nagy⁴, Dóra Török², Katalin Farkas², Nikoletta Nagy², Roland Nagy¹, Balázs Dimák¹, János András Jarabin¹, Márta Széll^{2,3}, László Rovó¹

- 1) Department of Oto-Rhino- Laryngology and Head- Neck Surgery, University of Szeged, Szeged, Hungary
- 2) Department of Medical Genetics, University of Szeged, Szeged, Hungary
- 3) MTA-SZTE Dermatological Research Group, University of Szeged, Szeged, Hungary
- 4) Department of Medical Physics and Medical Informatics, University of Szeged, Szeged, Hungary

ID: 04066

Nonsyndromic High Frequency Progressive Hearing Loss: A Family Case Report

Burak Kabiş¹, Songül Aksoy¹



1) Department of Audiology in Hacettepe University

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

ID: 03887

Otoprotective function of statins

Pattarawadee Prayuenyong^{1,2,3}, Anand V Kasbekar^{1,2}, David M Baguley^{1,2}

1) Hearing Sciences, Division of Clinical Neuroscience, School of Medicine, University of Nottingham, Nottingham UK

2) NIHR Nottingham Biomedical Research Centre, Nottingham UK 3) Department of Otorhinolaryngology Head and Neck Surgery, Faculty of Medicine, Prince of Songkla University, Songkhla, Thailand

ID: 03939

Examination of Wideband Tympanometry (WBT) Parameters in Individuals with Healthy Middle Ear.

Murat Şahin¹, Songül AKSOY¹

1) Hacettepe University

ID: 03965

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

Sandra Eisner^{Hda}, Dorchi Nuppa Bhote^{NELHO}

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^{INF}, Michael C.F. Smith^{EAN}, Eka Dev Devkota^{INF}

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^{1,2}, Inge Van Dyck², Romy Hidding², Kaat Vandervelden², Eveline Coppens²

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^{Depar}, Dorte Hammershøi^{Depar}

1) Department of Electronic Systems, Aalborg University

ID: 04289

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

Weiju Han¹, Na Sai¹, Weiwei Guo¹, Chaoying Tang¹, Tong Zhang¹, Linjun Chen¹

1) Chinese PLA general hospital

Free Paper 22 - Hearing Screening

Meeting Room 2, Friday 24th May, 15:30-17:00

ID: 03759

Hearing loss in infants with evidence of congenital Zika Virus infection

Janett M.F.¹, Paulo Cardoso Do Carmo, P.²

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^{Audio}, Pauline Roche^{Publi}

1) *Wexford Community Audiology and Nursing Services*

ID: 03794

Risk Factors for Hearing Loss in Children

Janett M.F.¹, Paulo Cardoso Do Carmo, P.²

1) Hospital Dr. Agostinho Neto, Praia, Cabo Verde

2) Centro Hospitalar Do Tâmega E Sousa, E. P. E., Portugal

ID: 03876

**Universal Neonatal Hearing Screening: are we following the right path? How to improve
it.**

António Lima^{Hosp}, Filipa Moreira^{Hosp}, Acácia Silva^{Escol}, Ana Menezes^{Hosp}, Isabel Costa^{Hosp},
Luís Dias^{Hosp}

1) Hospital de Braga

ID: 03976

Metrics Reported From Neonatal Hearing Screening Programmes Across Europe

Allison Mackey¹, Andrea Bussé², Inger Uhlén¹, Hans Hoeve², André Goedegebure², Herbert
Simonsz³, EUS€REEN Foundation⁴

1) CLINTEC, Division of ENT Diseases, Karolinska Institutet, Stockholm, Sweden

2) Dep. of ORL and Head and Neck Surgery, Erasmus Medical Centre, Rotterdam, the
Netherlands

3) Dep. of Ophthalmology, Erasmus Medical Centre, Rotterdam, the Netherlands 4) The

EUS€REEN foundation consists of the Country Representatives of the 41 countries In Europe

ID: 03977

Inventory of hearing screening programmes across Europe

Andrea Bussé¹, Allison Mackey², Hans Hoeve¹, André Goedegebure¹, Herbert Simonsz³,
EUS€REEN Foundation⁴

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3) Dep. of Ophthalmology, Erasmus Medical Centre, Rotterdam, the Netherlands

4) The EUS€REEN foundation consists of the Country Representatives of the 41 countries in
Europe

ID: 04054

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

Melina Willems^{1,2}, Leen Maes^{3,4}, Laura Leyskens³, Gerlant van Berlaer⁵, Bjoern Koehler⁶,
Luc Marks⁷

1) Artevelde University of Applied Sciences, Audiology Department, Ghent, Belgium

2) Global Clinical Advisor Special Olympics Healthy Hearing Programme

3) Ghent University, Department of Rehabilitation Sciences, Ghent, Belgium

4) Ghent University Hospital, Ear Nose Throat Department, Ghent, Belgium

5) University Hospital Brussels, Department of Emergency Medicine, Brussels, Belgium

6) Special Olympics Europe/Eurasia, Brussels, Belgium

7) Oral Health in Special Needs, Ghent University Hospital, Ghent, Belgium

ID: 04112

**Risk Indicators For Pediatric Hearing Loss: What We Found In 10 Years Of Universal
Hearing Screening Program**

Ana Catarina Santos¹, Ana Silva¹, Tânia Delgado¹, Joana Luís¹, Pedro Brazão¹, Maria Luísa



Monteiro¹
1) Hospital Lusíadas Lisboa

ID: 04123

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

Peter Böttcher¹, Orieta Palacios², Peter Matulat³

- 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^{CUF D}, Diogo Ribeiro^{Unive}, Luísa Monteiro^{Lusia}, José Saraiva^{CUF D}

- 1) CUF Descobertas Otorhinolaryngology Department
- 2) University Clinical Center of Otorhinolaryngology of Hospital CUF Infante Santo
- 3) NOVA Medical School, Universidade Nova de Lisboa
- 4) Lusiadas Hospital Otorhinolaryngology Department

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

ID: 03842

Development of new screening taste test

Henryk Skarzynski¹, Marcin Wojciechowski¹, Bartłomiej Krol¹, Piotr Henryk Skarzynski^{1,2,3}

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ID: 03843

Development of new screening smell test

Henryk Skarzynski¹, Marcin Wojciechowski¹, Bartłomiej Krol¹, Piotr Henryk Skarzynski^{1,2,3}

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- 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 GIRAUDET¹, Paul AVAN¹

- 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 Moulin¹, Marina Cappai¹, Marta Partyka¹, Nicolas André¹, Patrick Bouchet¹, Aurélie Bidet-Caulet¹

- 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 Rodrigues¹, Raul Pacheco²

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

Free Paper 24 - Screening



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

ID: 03769

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

Sarie Martens¹, Ingeborg Dhooge^{2,3}, Cleo Dhondt³, Marieke Sucaet¹, Saartje Vanaudenaerde², Lotte Rombaut², Leen Maes^{1,2}

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

2) Department of Oto-rhino-laryngology, Ghent University Hospital, Ghent, Belgium

3) Faculty of Medicine and Health Sciences, Department of Head and Skin, Ghent University, Ghent, Belgium

ID: 03770

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

Leen Maes^{Ghent}, Sarie Martens^{Ghent}, Cleo Dhondt^{Ghent}, Marieke Sucaet^{Ghent}, Saar Vanaudenaerde^{Ghent}, Lotte Rombaut^{Ghent}, Ingeborg Dhooge^{Ghent}

1) *Ghent University*

2) *Ghent University Hospital*

ID: 03844

First Polish screening questionnaire of vestibular symptoms

Piotr Henryk Skarzynski^{1,2,3}, Grazyna Tacikowska¹, Magdalena Sosna¹, Katarzyna Pietrasik¹, Marcin Wojciechowski¹, Anna Ratuszniak¹

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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 Skarzynski¹, Marcin Wojciechowski¹, Piotr Henryk Skarzynski^{1,2,3}

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ID: 03858

The essence of implementing screening programs - 20 years of experience

Piotr Henryk Skarzynski^{1,2,3}, Krzysztof Kochanek¹, Weronika Swierniak¹, Justyna Kutyba¹, Katarzyna Cywka¹, Henryk Skarzynski¹

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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: 03865

16 years of the Polish Universal Neonatal Hearing Screening Program

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

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

ID: 03866

Automated auditory brainstem response - pilot screening program in selected NICU units in Poland

Grażyna Greczka¹, Katarzyna Wróblewska-Seniuk², Beata Tomczyk³, Ilona Korczak⁴, Piotr



Dąbrowski¹, Monika Zych¹, Witold Szyfter¹

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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^{Unive}, Danielle Schöornborn^{Unive}, David Moore^{Cinci}, De Wet Swanepoel^{Unive}

1) University of Pretoria

ID: 03978

Intelligent games in audiological rehabilitation: the Pirates game

Astrid van Wieringen^{KU le}, Sara Magits^{KU le}, Sam Denys^{KU le}, Tom Francart^{KU le}, Jan Wouters^{KU le}

1) KU leuven

Free Paper 25 - Speech understanding

Small Auditorium, Saturday 25th 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^{Insti}, Jędrzej Kociński^{Insti}, Anna Warzybok^{Mediz}

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^{Amste}, Cas Smits^{Amste}, Theo Goverts^{Amste}

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 Moulin¹, Nicolas Fourcaud-Trocmé²

1) Lyon Neuroscience Research Center, DYCOG/PAM team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France

2) Lyon Neuroscience Research Center, CMO team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France

ID: 03888

Comparison of three calibration procedures for free field reference speech audiometry

Mieke Janssens-bij de Vaate^{UMC U}, Koenraad S. Rhebergen^{UMC U}

1) UMC Utrecht

ID: 03897

Determination of the spectral resolution in patients after cochlear implantation

Marina Goykhuburg¹, Vigen Bakhshinyan¹, Dmitry Nechaev², Alexander Supin², George Tavartkiladze¹

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-Lopez¹, Silje Grini Nielsen¹, Mouhamad El-Haj-Ali², Oscar Cañete¹, Mengfan Wu², Michał Fereczkowski¹, Federica Bianchi¹, Tobias Neher², Torsten Dau¹, Sébastien Santurette^{1,3}

- 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 Hey¹, Thomas Hocke², Britta Böhnke¹

- 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^{Hacet}, Büyümin Çıldır^{Hacet}, Mehmet Yaralı^{Hacet}, Gonca Sennaroğlu^{Hacet}, Kamil Adiloğlu^{HörTe}, Anna Warzybok^{Medic}, Birger Kollmeier^{HörTe}

- 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 Schulcz¹, Ádám Enreiter², Roland Nagy¹, Balázs Dimák¹, László Rovó¹, József Géza Kiss¹

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- 2) Mediszintech Audiológia Kft.

ID: 04102

Speech Discrimination in Noise: Auditory Implants Evaluation Protocol

Mafalda Bento^{CUF P}, Cristina Miranda^{CUF P}, Susana Oliveira^{CUF P}, Maria Conceição Peixoto^{CUF P}, Victor Correia da Silva^{CUF P}

- 1) CUF Porto Hospital

Free Paper 26 - Vestibular disorders, diagnosis and therapy III

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

ID: 03932

The Infra-Red Utilization In Therapy Of Meniere Disease

Elio Pagliarulo^{S. Fr}

- 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^{depar}, Ilknur Yasak^{depar}, Cem Yeral^{depar}, Ahmet Öztürk^{depar}, M. Bülent Şerbetçioğlu^{depar}

- 1) Istanbul Medipol University

ID: 04037

Dynamic Posturography Rehabilitation Results of A Patient with Bilateral Vestibular



Loss: A Case Report

Emre Gürses^{Hacet}, Öznur Yiğit^{Hacet}, Songül Aksoy^{Hacet}

1) Hacettepe University

ID: 04084

Vestibular rehabilitation in patients after vestibular schwannoma treatment

Tânia Delgado¹, Joana Luís¹, Ana Catarina Santos¹, M^a Conceição Monteiro¹

1) Hospital Lusíadas Lisboa, Portugal

ID: 04090

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

Meliha Basoz^{Istan}, Ozlem Konukseven^{Istan}

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^{Hacet}, Esmâ Akış^{Hacet}, Songül Aksoy^{Hacet}

1) Hacettepe University Department of Audiology

ID: 04095

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

Ümit Can Çetinkaya¹, Hüsni Kayıkcı¹, Merve Meral¹, Ahsen Kartal¹, Büşra Uludağ¹, İnci Adalı¹, Özlem Konukseven¹

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ID: 04100

Assessment of VHIT and VNG Findings in Whirling Dervishes

Oznur Şaman^{karat}, Ozlem Konukseven¹

1) Istanbul Aydın University

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

ID: 03758

Hearing loss in subjects after meningitis

Janett M.F.¹, Paulo Cardoso Do Carmo, P.²

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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^{Depar}, Robert Tropic^{Depar}, Mihael Ries^{Depar}, Andro Kosec^{Depar}, Iva Kelava^{Depar}

1) Department of ENT and Head and Neck Surgery, Sestre Milosrdnice University Hospital Centre, Zagreb, Croatia

ID: 03783

A Case Report Of Deterioration Of Hearing After Hyperbaric Oxygen Therapy For Sudden Deafness

Ioannis Bardanis¹, Konstantinos Panagiotidis¹

1) General Hospital of ikaria, Greece

ID: 03787

The ototoxic potential of cobalt from metal-on-metal (MoM) hip implants: Objective auditory and vestibular outcome.

Laura Leyssens^{Unive}, Bart Vinck^{Unive}, Catherine Van Der Straeten^{Unive}, Koen De Smet^{ANCA},

Ingeborg Dhooze^{Unive}, Floris L Wuyts^{Unive}, Hannah Keppler^{Unive}, Sofie Degeest^{Unive}, Rebecca



Lim^{Unive}, Maes Leen^{Unive}

- 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^{1,2,3}, Bartłomiej Krol¹, Marek Porowski¹, Henryk Skarzynski¹

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

ID: 03855

Audiometric results after stapedotomy with titanium prosthesis

Henryk Skarzynski¹, Bartłomiej Krol¹, Piotr Henryk Skarzynski^{1,2,3}

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- 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^{Audio}, Per Muhr^{Audio}, Bjorn Skoog^{Armed}

- 1) University of Gothenburg

ID: 03885

Treatment options in otosclerosis

Thomas Rasse¹, Thomas Keintzel¹, Niederwanger Lisa¹, Müller Sophie¹

- 1) ENT departement Klinikum Wels-Grieskirchen, Austria

Free Paper 28 - Tinnitus

Meeting Room 2, Saturday 25th 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. Ubbink¹, R Hofman¹, P van Dijk^{1,2}, J.M.C. van Dijk³

- 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^{i.U.}, Zahra Polat^{i.U.}, Ahmet Atas^{i.U.}

- ¹ Department of Audiology, Faculty of Health Sciences, Istanbul University-Cerrahpaşa, Istanbul, Turkey
- ² Department of Otolaryngology, Cerrahpaşa Medical Faculty, Istanbul University-Cerrahpaşa, Istanbul, Turkey

ID: 04052

Investigation of Mismatch Negativity Results Using Multi Feature Paradigm of Individuals with Subjective Tinnitus

Eser Sendesen^{hacet}, didem türkyılmaz^{hacet}, nurhan erbil^{hacet}



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ID: 04075

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

Maria Hoff^{1,2}, Tomas Tengstrand², André Sadeghi^{1,2}, Ingmar Skoog³, Ulf Rosenhall^{1,2}

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2) Audiology Department, Habilitation and Health, Region Västra Götaland, Sweden

3) EPINEP Research Group, AgeCap Centre, Department of Psychiatry and Neurochemistry, Institute of Neuroscience and Physiology, University of Gothenburg, Sweden

ID: 04290

Hidden hearing loss (HHL) is a neglected cause of Tinnitus

Weidong Shen¹

1) Chinese PLA General Hospital

Free Paper 29 - The smartphone revolution in audiology

Meeting Room 2, Saturday 25th May, 11:00-12:30

ID: 03812

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

Elizabeth Convery¹, Margot McLelland¹, Gitte Keidser¹, Jennifer Groth²

1) Department of Audiology, National Acoustic Laboratories, Australia 2) GN ReSound, United States:

ID: 03955

A Pilot Study Evaluating Recipient Experience and Clinical Impact with Cochlear’s™ Remote Check technology

Unai Martinez de Estibariz¹, Kerri Millward¹, Deborah Mawman¹, Martin O’Driscoll¹

1) Manchester University NHS Foundation Trust

ID: 04060

Investigation of Changes in Static Balance Parameters During Using of Smartphone

Emre Orhan^{Gazi}, Büşra Altın^{Hacet}, Songül Aksoy^{Hacet}

1) Gazi University

2) Hacettepe University



POSTER DISCUSSION

Poster Discussion 01

Meeting Room 1, Thursday 23rd May, 11:00-12:30

ID: 03760 -P001

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

Pusara Z.¹, Pejic, Z., Cvijic, M.

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

ID: 03819 - P002

Relationships between postural stability in young people following late cochlear implantation (CI) and selected clinical and environmental factors

Anna Zwierzchowska^{The J}, Aleksandra Żebrowska^{The J}, Grzegorz Juras^{The J}, Agata Kruzyńska^{Schoo}

1) The Jerzy Kukuczka Academy Physical Education

ID: 03832 - P003

Life quality in patients with vertigo

Darija Birtic^{Unive}, Lana Kovac Bilic^{Unive}, Robert Tropic^{Unive}

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^{Insti}, Margarida Serrano^{Insti}

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 Nobre¹, Carla Silva², Júlia Guiomar², Tânia Martins²

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 Chatzakis¹, Dionisios Klonaris¹, Maria Doulaptsi¹, Stylios Velegrakis¹, Ioannis Vlastos², Emmanuel Prokopakis¹

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 Klonaris¹, Kalliopi Gkatzoudi², Ioanna Tsiligianni², Nikolaos Chatzakis¹, Stylios Velegarakis¹, Athanasia Milioni¹, Emmanuel Prokopakis¹

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

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

ID: 03970 - P008

Vestibular rehabilitation after cochlear implantation

Maria Araújo^{1,2}, Luis Rama^{2,3}, António Paiva⁴

1) Department of Audiology, Coimbra Health School - Polytechnic Institute of Coimbra

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

3) Research Center for Sport & Physical Activity

4) Hospital and University Center of Coimbra

ID: 03982 - P009

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

Mariana Gomes^{Insti}, Maria Inês Araújo^{Insti}, Cristina Nazaré^{Insti}

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^{1,2}, Paola Giunti^{3,4}, Gilbert Thomas-Black^{3,4}, Doris-Eva Bamiou^{1,2}

1) The Ear institute, University College London

2) Neuro-otology Department, University College London Hospitals

3) Department of Clinical and Movement Neurosciences, Institute of Neurology, University College London

4) Ataxia Centre, National Hospital for Neurology and Neurosurgery

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 Yılmaz¹, Yuşa Başıoğlu¹, İlayda Çelik¹, Mustafa Bülent Şerbetçioğlu¹

1) İstanbul Medipol University

ID: 04049 - P012

Validation of the Polish version of the Dizziness Handicap Inventory

Ewa Zamysłowska-Szmytke^{Depar}, Sylwia Szostak-Rogula^{Górno}, Mariola Sliwinska-Kowalska^{Depar}

1) Nofer Institute of Occupational Medicine, Lodz, Poland

ID: 04050 - P013

Clinical use of the Dizziness Handicap Inventory

Mariola Sliwinska-Kowalska^{Depar}

1) Nofer Institute of Occupational Medicine, Lodz, Poland

ID: 04053 - P085

Evaluation Of Hearing Screening Results In Individuals Exposed To Occupational Noise

Sude Kaymakçı¹, İrem Cavide Erol¹, Melek Kekül¹, Kübra Akdemir¹, Mustafa Bülent Şerbetçioğlu¹

1) İstanbul Medipol University



ID: 04071 - P086

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

Laura Smith^{John}, Jane Humphries^{Oxford}

1) John Radcliffe Hospital Audiology Department

ID: 04094 - P014

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

Maja Jovanovic¹, Mirosljub Todorovic¹, Vladimir R. Pavicevic¹, Aleksandra Lakovic-Tatar¹

1) RH "Danilo I"

ID: 04130 - P016

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

Nehzat Koohi^{1,2}, Sandra Hogg¹, Claudia Goncalves¹, Chung Chan¹

1) Neuro-otology Department, University College London Hospitals

2) The Ear Institute, University College London

Poster Discussion 02

Meeting Room 2, Thursday 23rd 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^{the S}, Alexey Ivoylov^{the S}, Alexander Gurov^{the S}, Natalia Kunelskaia^{the S}

1) The Sverzhveskiy Otorhinolaryngology Healthcare Research Institute

ID: 03797 - P041

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

ANDREI Kriukov^{the S}, NATALIA Kunelskaya^{the S}, ALEXEY Ivoylov^{the S}, ALEXANDER Gurov^{the S}, GALINA Izotova^{the S}

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^{the S}, Natalia Kunelskaya^{the S}, Alexey Ivoylov^{the S}, Galina Izotova^{the S}, A.G. Kisina^{the S}, Z.N. Morozova^{the S}

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 Vanaudenaerde¹, Celine Bernaerd^{Unive}, Emily Delure^{Unive}, Mary van der Heijden^{Libra}

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^{1,3}, Anette Lohmander², Christina Hederstierna^{1,3}

1) Department of Audiology and Neurotology, Karolinska University Hospital, 171 76 Stockholm Sweden

2) Division of Speech and Language Pathology, Department of Clinical Science, Intervention and Technology Karolinska Institute, Stockholm, Sweden

3) Division of ENT, Department of Clinical Science, Intervention and Technology Karolinska Institute, Stockholm, Sweden

ID: 03841 - P090

Lithuanian speech audiometry test: the development of bisyllabic phonemically balanced word lists

Vija Vainutiene¹, Eugenijus Lesinskas¹, Vytautas Kardelis²

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^{Insti}, Rui Marques^{Insti}, Margarida Serrano^{Insti}

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

ID: 03851 - P091

A comparison of ASSR and pure tone thresholds in infants with unilateral hearing loss

Ann Johansson^{Karol}, Christina Hederstierna^{Karol}, Birgitta Tengroth^{Karol}

1) Karolinska University Hospital

ID: 03873 - P092

Clinical Ent And Audiologic Findings In Neuroborreliosis

Alen Sekelj^{ENT D}, Antoneta Gudelj^{ENT D}, Ivana Pajic-Matic^{ENT D}, Karolina Veselski^{ENT D}

1) ENT Department, General Hospital „Dr. Josip Bencevic“, Slavonski Brod, Faculty of Medicine in Osijek, Croatia

ID: 03880 - P093

A Unilateral Speech Perception Deficit Specific to Cocktail Party Noise after a Right Temporal Venous Infarct. A Case Study

Annie Moulin^{1,2}, Julie Bourgeois-Vionnet³, Marc Hermier⁴, Agathe Pralus^{1,2,5}, Barbara Tillmann⁵, Norbert Nighoghossian^{2,3}, Anne Caclin^{1,2}

1) Lyon Neuroscience Research Center, DYCOG/PAM team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France

2) Lyon 1 University, Lyon, France

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

4) Neuroradiology Department, Neurological Hospital, Hospices Civils de Lyon, Bron, France

5) Lyon Neuroscience Research Center, CAP team, CNRS UMR5292, INSERM U1028, Lyon, F-69000, France

ID: 03891 - P094

Prevalence of Sensorineural Hearing Loss on Screening in Preschool Children - A 10 year Experience

Sofia Fonseca^{Insti}, Cláudia Reis^{Insti}, Conceição Monteiro^{Hospi}, Luísa Monteiro^{Hospi}, Margarida Serrano^{Insti}

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

ID: 03909 - P095

Contextual effects of auditory information on the localization of visual moving stimuli

Cristina Nazaré^{1,2}, Armando Oliveira²

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^{Depar}, Bülent Gündüz^{Depar}

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^{Audit}, Stephane Gallego^{Ins}, Annie Moulin^{Lyon}

1) Audition Conseil, Lyon, France, 2) 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, 3) Université C. Bernard Lyon 1, Lyon, France, 4) Institut des Sciences et Technologies de Réadaptation (ISTR), University of Lyon, Lyon, France.

ID: 03949 - P047

Quality of life of schoolchildren who use hearing aids

Angela Leusin Mattiazzi^{Feder}, Renata Machado^{Feder}, Laíza Chagas^{Feder}, Eduarda Pazini^{Feder}, Themis Kessler^{Feder}, Eliara Pinto Vieira Biaggio^{Feder}

1) Postgraduate Program in Human Communication Disorders, Federal University of Santa Maria, Brazil.

ID: 04026 - P048

DANPE - Progressive sensorineural hearing loss in children: results from a project of international cooperation

Sirley CARVALHO¹, Fabrice GIRAUDET², Luciana M RESENDE¹, Denise U GONÇALVES¹, Ana C C GAMA¹, Amélia A L FRICHE¹, Stela M A LEMOS¹, Erika PARLATO-OLIVEIRA^{3,4}, Lorena G BICALHO³, Ana L F REZENDE³, Ludmila LABANCA¹, Paul AVAN²

1) Posgraduation Program of Phonoaudiology, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, MG, Brazil

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

3) Postgraduation Program of Pediatric, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, MG, Brazil

4) Université Paris Diderot, Paris, France

ID: 04062 - P096

Aging, Cognitive Decline and Hearing Loss

Tatiana Marques^{1 Ins}, Ana Carvalho^{1 Ins}, Carolina Fernandes^{2 Ouv}

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2) 2 OuviaSonus

Poster Discussion 03

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

ID: 03808 - P017

Electrode Impedance Values And Postoperative Performances In Children With Cochlear Implants

Faris BRKIC^{Depar}, Sekib UMIHANIC^{Depar}, Lejla PIRIC^{Depar}, Alen HARCINOVIC^{Depar}, Fuad BRKIC^{Depar}

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. Smiechura¹, M. Struzycka¹, W. Konopka^{1,2}

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

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

ID: 03871 - P019

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

Luís Castelhana¹, Rita Sousa¹, Carla Gonçalves², Ricardo Santos¹, Luís Reis¹, Assunção O'neill¹, Pedro Escada¹

1) Reference Center for Cochlear Implants - Department of Otolaryngology, Egas Moniz University Hospital, Lisbon, Portugal & NOVA Medical School, Lisbon, Portugal

2) Auditory Implants Audiologist, Widex

ID: 03904 - P020

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

Eugenijus Lesinskas^{1,2}, Donata Vaitkūnaitė¹, Vija Vainutienė¹, Jekaterina Byčkova^{2,3}

1) Vilnius University Hospital Santaros Clinics, Department of ENT

2) Faculty of Medicine, Vilnius University 3) Children's Hospital, Affiliate of Vilnius University Hospital Santaros Clinics

ID: 03914 - P021

Electrode impedance changes in cochlear implant users

M. Zadrozniak¹, M. Szymanski¹

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. Klatka¹, M. Zadrozniak¹, M. Szymanski¹

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^{Depar}, Lucyna Klimczak - Gołąb^{Depar}, Jarosław Markowski^{Depar}

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^{1,2}, Luis Rama^{2,3}, Antonio Paiva⁴

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3) Research Center for Sport & Physical Activity

4) Hospital and University Center of Coimbra

ID: 04014 - P026

Coffee Effects on the Auditory System

C. Almeida¹, C. Nazaré¹

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 Rosiak¹, Krzysztof Krajewski¹, Anna Gawrońska¹, Marcin Szczepanik², Jarosław Walak², Marek Woszczak², Magdalena Jozefowicz-Korczynska¹

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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^{I Dep}, Katarzyna Kolary^{II De}, Michał Skóra^{Depar}

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Poster Discussion 04

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

ID: 03761 - P049

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

Milaine Sanfins¹, Caroline Donadon¹, Leticia Borges¹, Thalita Ubiali¹, Maria Francisca Colella-Santos¹

1) Faculty of Medical Science, State University of Campinas, Campinas, Brazil

ID: 03763 - P088

Clinical implication of cochlear dead region in tinnitus-prospective study

Seog-Kyun Mun¹

1) Department of Otolaryngology-Head and Neck Surgery, Chung-Ang University, College of Medicine, Seoul, Korea

ID: 03775 - P060

Study of absolute ABR latencies in microcephalic children and intrauterine infection presumed by zika virus: review of 178 cases.

Daniela Capra^{IECPN}, Caroline Donadon^{UNICA}, Fernanda Fialho^{IECPN}

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^{Depar}, Andrzej Kowalski^{Depar}, Wiesław Sułkowski^{Depar}, Marzena Mielczarek^{Depar}

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 Prata¹, Carla Matos Silva¹

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

ID: 03803 - P061

Audiological Evaluation In The Traumatic Brain Injury – Case Study

Caroline Donadon^{1,2}, Natalia Ferazolli^{1,2}, Reinaldo J Gusmão¹, Adriano Rezende¹, Piotr H



Skarzynski^{3,4,5}, Daniela Capra^{6,7}, Milaine D Sanfins^{1,7}

- 1) Clínica Respirare, Brazil
- 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^{2,3}, Caroline Donadon², Leticia Borges², Thalita Ubiali², Piotr Skarzynski^{4,5,6}

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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^{Centr}, Caroline Donadon^{Clíni}, Natália Ferrazoli^{Clíni}, Milaine Sanfins^{Centr}

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4. Universidade Estadual de Campinas, UNICAMP, Brasil.

ID: 03900 - P053

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

Beaud Ludivine¹, Avan Paul¹, Giraudet Fabrice¹

- 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^{Depar}, Jesko Verhey^{Depar}

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

ID: 03947 - P054

Mismatch Negativity in children with speech sound disorder

Eliara Pinto Vieira Biaggio^{UFMS}, Amália El Hatal de Souza^{UFMS}, Julia Dalcin Pinto^{UFMS}, Carolina Lisboa Mezzomo^{UFMS}

- 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^{Unive}, Lais Ferreira^{Unive}, Marileda Barichello Gubiani^{Unive}, Milaine Dominic Sanfins^{Centr}, Marcia Keske-Soares^{Unive}

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ID: 04024 - P056

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

Catarina Santos¹, Cláudia Reis¹



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

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2) Université Paris Diderot, Paris, France

3) School of Medecine, University Clermont Auvergne, Clermont-Ferrand, France

ID: 04055 - P058

Learning preferences and soundscapes through intelligent interfaces

R. Rossing¹, M. Korzepa², J.H. Christensen¹, B. Johansen², M.K. Petersen¹, J.E. Larsen², N.H. Pontoppidan¹

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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^{Oxfor}

1) Oxford Auditory Implant Programme

ID: 04081 - P059

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

Malgorzata Ganc¹, Wieslaw Wiktor Jedrzejczak¹, Bartosz Kochanski¹, Joanna Kobosko¹, Paulina Paluch¹, Monika Lewandowska², Henryk Skarzyski¹

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2) Faculty of Humanities, Nicolaus Copernicus University, Torun, Poland

Poster Discussion 05

Main Auditorium, Friday 24th May, 14:30-15:30

ID: 03799 - P031

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

Loriane Grato de Mesquita^{1,2}, Liliane Desgualdo Pereira^{1,3}, Gustavo Polacow Korn^{1,2}, Noemi Grigoletto de Biase^{1,2}

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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^{AUTH}, Vasiliki Vivian Iliadou^{AUTH}, Ioannis Nimatoudis^{AUTH}, Manon Grube^{Newca}, Timothy Griffiths^{Newca}, Doris-Eva Bamiou^{UCL E}

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^{Depar}, Vivian Iliadou^{Depar}, Ioannis Nimatoudis^{Depar}, Doris-Eva Bamiou^{Ear I}

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 Seropian¹, Justine Popieul¹, Isabelle Soares-Boucaud^{1,2}, Annie Moulin¹

1) Lyon Neuroscience Research Centre, Brain Dynamics and Cognition Team (DYCOG), Perception Attention and Memory group (PAM), CNRS UMR5292, INSERM U1028, Claude Bernard Lyon 1 university, Lyon University, F-69000, Lyon, France 2) Centre de référence des troubles du langage, Le Vinatier Hospital, 95 Bd Pinel, 69675 BRON, France

ID: 03831 - P035

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

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ID: 03883 - P036

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

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ID: 03890 - P037

Effect of Noise Exposure on Hearing of Pavilion Athletes

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ID: 03956 - P038

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

Jeremie Ginzburg^{Lyo}, Lauren Argouarc'h^{Lyo}, Claire Wade^{Lyo}, Anne Caclin^{Lyo}, Isabelle Soares-Boucaud^{Lyo}, Annie Moulin^{Lyo}

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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

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ID: 04004 - P025

Residual hearing in cochlear implant patients with CI532 electrode

Diana Arweiler-Harbeck^{Depar}, Niklas Riemann^{Depar}, Laura Holtmann^{Depar}, Judith Arnolds^{Depar}, Stefan Hans^{Depar}, Heike Bagus^{Cochl}, Sonja Ludwig^{Depar}

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ID: 04080 - P027

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



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ID: 04114 - P028

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

Katya Freire^{Audic}, Cristina Félix^{Audic}, Millena Sousa^{Audic}, Ana Paula Bruner^{Audic}

1) Audicare

Poster Discussion 06

Meeting Room 1, Saturday 25th May, 11:00-12:30

ID: 03838 - P067

Bilateral implantation of bone anchored hearing aids in children

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ID: 03856 - P067

Audiological Evaluation Of The Novel Bone Conduction Hearing Device Adhear In Patients With Conductive Hearing Loss

Piotr Henryk Skarzynski^{1,2,3}, Anna Ratuszniak¹, Bartłomiej Krol¹, Henryk Skarzynski¹

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ID: 03857 - P074

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

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ID: 03877 - P075

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

Annie Moulin^{1,2}, Mathieu Ferschneider^{1,2,4}, Judith Vergne^{1,2}, Stéphane Gallego^{2,3,4}, Christophe Micheyl^{5,6}

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ID: 03901 - P079

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

Lou Seropian^{1,2}, Mathieu Ferschneider^{1,2,4}, Fanny Cholvy^{1,2}, Stéphane Gallego^{2,3,4}, Christophe Micheyl^{5,6,7}, Annie Moulin^{1,2}



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- 7) Perceptual Systems Laboratory, Ecole Normale Supérieure, Paris, France

ID: 03981 - P082

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

Angela Leusin Mattiazzi^{Feder}, Jaïne Gabriela Frank^{Feder}, Jaqueline Luana Caye^{Feder}, Iara Denise Endroweit Battisti^{Feder}

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ID: 04015 - P077

The cost-effectiveness of cochlear implantation in adults

Henry Cutler^{Macqu}, Mutsa Gumbie^{Macqu}, Emma Olin^{Macqu}, Ross Bowman^{Macqu}, Bonny Parkinson^{Macqu}, Hafsa Quadri^{Cochl}, Fernando Gonzalo^{Cochl}

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ID: 04018 - P069

Case Study - A Prescriptive Sound Amplification Method for Tinnitus Relief Using Hearing Aids

Anca Modan^{1,2}, Madalina Georgescu^{2,3}

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ID: 04020 - P083

Early hearing detection – 10 years experience of a newborn hearing screening program in Hospital Lusíadas Lisboa

Ana Patrícia Silva¹, Ana Catarina Santos¹, Joana Luis¹, Tânia Delgado¹, Pedro Brazão Santos¹, Luísa Monteiro¹

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ID: 04032 - P084

Tip fold-over detection in Cochlear Implantation: Case Series

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- 2) Cochlear Implant Centrum Ruhr, Essen, Germany

ID: 04061 - P076

How can we support hearing impairment in people with dementia? Perspectives from professionals, service users and care partners

Lucas Wolski¹, Wai Kent Yeung², Iracema Leroi², Chryssoula Thodi³, Anna Pavlina Charalambous³, Catherine Helmer⁴, Roxane Villeneuve⁴, Abebaw Mengistu Yohannes⁵, Ines Himmelsbach¹, Piers Dawes²

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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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- 1) University of Manchester 2) Public Programmes Team 3) European University Cyprus

ID: 04072 - P072

Auditory screening at school age: about the grounds

Paula Lopes^{Escol}, Helena Moreira^{Escol}

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ID: 04073 - P073

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

Jane Humphries^{Oxfor}

- 1) Oxford Auditory Implant Programme

ID: 04087 - P080

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

Gérard Loguet^{1,2}, Vijay Narne³, Tobias Piechowiak⁴, Anne Wolff⁵, Sabina Storbjerg Houmøller^{3,6}, Dan Dupont Hougaard^{1,5}, Jesper Hvass Schmidt^{3,6}, Dorte Hammershøj²

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- 7) OPEN, Odense Patient data Explorative Network, Odense University Hospital, Odense, Denmark

ID: 04096 - P081

Bilateral Facial Paralysis As Initial Manifestation Of Wegener's Granulomatosis

Mirosljub Todorovic¹, Maja Jovanovic¹, Vladimir R. Pavicevic¹, Aleksandra Lakovic-Tatar¹

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ID: 04113 - P078

Electrophysiological Evaluation Of Hearing In Individuals With Vascular Loop Of Bilateral Antero Inferior Cerebellar Artery (Aica): Case Study

Natalia Ferrazoli^{1,2}, Daniela Capra^{3,4}, Reinaldo Jordão Gusmão¹, Renata Unger Lavor¹, Adriano Rezende¹, P.H Skarzynski^{5,6,7}, Caroline Donadon^{1,2}, Milaine Dominici Sanfins^{1,4}

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POSTERS



ID: 03990 - P064

Evaluation of different AGC settings in bimodal cochlear implant subjects

Andreas Buechner^{Hanno}, Eugen Kludt^{Hanno}, Mark Schuessler^{Hanno}, Thomas Lenarz^{Hanno}

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ID: 03908 - P097

Contralateral suppression or enhancement of otoacoustic emissions in elderly people

Maria Boboshko^{Labor}, Ekaterina Garbaruk^{Labor}, Maria Timofeeva^{Saint}

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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.

Daniela Capra^{IECPN}, Caroline Donadon^{UNICA}, Fernanda Fialho^{IECPN}

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3) PhD. Pediatrician. Coordinator of the Zika Project of the State Brain Institute (IEC-RJ) - Rio de Janeiro – Brazil.

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

Natália Trigueiro^{Insti}, Flávia Pina^{Insti}, Ana Rita Nobre^{Insti}, Margarida Serrano^{Insti}

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ID: 03997 - P102

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

Alice Szamosközi¹, Roland Nagy¹, Balázs Dimák¹, László Rovó¹

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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

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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

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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 Dąbrowski¹, Grażyna Greczka¹, Anna Gasinska¹, Małgorzata Wierzbicka¹, Witold Szyfter¹

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ID: 04127 - P113

Thirteen year experience with BAHA

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3) Nova Medical School, Lisboa, Portugal

ID: 03895 -P114

Impact of stroke on hearing ability

Raquel Assis¹, Vasco Oliveira^{1,2}

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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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ID: 03899 - P116

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^{1,2}, Vigen Bakhshinyan³, Varduhi Harutyunyan¹, Armen Nazanyan¹, Naira Hovhannesian², Levon Badalyan², Arthur Shukuryan¹

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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^{1,2}, Mathieu Ferschneider^{1,2,4}, Fanny Cholvy^{1,2}, Stéphane Gallego^{2,3,4}, Annie Moulin^{1,2}

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ID: 04092 - P128

Speech recognition and pupillometry – exploring new tools to be used in clinical practice

Anita Nagy-Pál¹, Roland Nagy¹, Ádám Enreiter², Rebeka Anna Schulcz¹, Balázs Dimák¹, János András Jarabin¹, László Rovó¹, József Géza Kiss¹

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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

Ümit Can Çetinkaya¹, Merve Meral¹, Ahsen Kartal¹, Büşra Uludağ¹, Yusuf Fakırlıhoğlu¹,
Gülfem Kaplan¹, Berfin Özdamar¹, İnci Adalı¹, Özlem Konukseven¹

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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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