

XXXV World Congress of Audiology

19-22 April 2020, Warsaw, Poland

21 April 2020, Tuesday

Warsaw Marriott Hotel, Warsaw

Room: **BALLROOM AB**

7:45 – 8:55 Oral Presentations OP-07

Hyperacusis & Tinnitus

7:45-7:53 Hashir Aazh - Internal Consistency and Convergent Validity of the Inventory of Hyperacusis Symptoms

7:55-8:03 Magdalena Sereda - Hyperacusis services in the United Kingdom: a survey of patient experiences

8:05-8:13 Sofie Fredriksson - Sound sensitivity - association between self-reported frequency of occurrence and degree of disturbance and reported audiological help-seeking

8:15-8:23 Hashir Aazh - Risk factors for suicidal and self-harm ideations in adults seeking help for tinnitus and/or hyperacusis

8:25-8:33 Danuta Raj-Koziak - Auditory perception disorders in normally hearing tinnitus patients

8:35-8:43 Maria Hoff - Prevalence and Severity of Tinnitus in a Representative Sample of 70 Year Olds

8:45-8:53 Annick Gilles - The need for multidisciplinary personalized medicine in tinnitus management

11:00 – 11:30 Keynote Lecture KL-10

Neural Hearing Loss and the Mismatch Between the Audiogram and Supra-threshold

Function: Implications for Assessment and Management

Linda J. Hood

11:40 – 13:10 Panel Discussion PD-11

Cortical Plasticity Following Sensory Loss and Restoration CME

Chairmen: Amir Amedi & Stephen G. Lomber

Panelists: Amir Amedi, Stephen G. Lomber, Pascal Barone, Yael Henkin, Katarzyna Cieśła

13:10 – 14:00 Lunch

14:00 – 14:30 Keynote Lecture KL-14

Robot-Based Ear Surgery: Does it Improve Audiological Outcomes?

Olivier Sterkers

14:40 – 16:00 Oral Presentations OP-12

Hearing Screening

14:40-14:48 Dalia Tsimpida - Early Intervention Requires Early Detection of Hearing Loss: the Need for an Effective and Sustainable Hearing Loss Screening Strategy in Primary Care

15:10-15:18 Elżbieta Gos - The accuracy of parental suspicion of hearing loss in children

15:00-15:08 Eun Jin Son - Importance of hearing screening in cytomegalovirus infection

14:50-14:58 Hamzah Sulaiman - UNHS in Malaysia; Past, Current and future direction

15:20-15:28 Hannalice Gottschalck Cavalcanti - Performance of a Brazilian version of the digit in noise test using two different headphones

15:30-15:38 Jacek Smurzyński - Hearing assessment in young children using interactive behavioral audiometry and extrapolated DPOAE Input/Output functions

15:40-15:48 Maria Gocel - Organization of the Hearing Screening Examinations in Polish Schools in Mazovia Region among first grade students

15:50-15:58 Susan Eksteen - Optimal protocol considerations for mHealth supported community-based pre-school hearing screening

Room: **BALLROOM CD**

7:45 – 8:45 Special Session SPC-05 **IERASG**

The Brain Listening Through the Evoked-Response-Audiometry Looking Glass II

Chairman: Martin Walger

Panelists: IERASG Council members

9:00 – 10:30 Round Table RT-02

International Best Practices in Audiology

Chairman: James W. Hall III

13:10 – 14:00 Lunch

16:10 – 16:20 SPC-08

Aram Glorig Award Introduction

Lena Wong (ISA)

16:20 – 17:00 SPC-09 **Aram Glorig Oration**

Ross Roeser

17:10 – 18:30 SPC-10

ISA General Assembly

Room: **BALLROOM C**

11:00 – 11:30 Keynote Lecture KL-10

Presbycusis

Josef Syka

11:40 – 13:10 Panel Discussion PD-12

Treatment Options for Congenital Unilateral Hearing Loss/Deafness; Sufficient Clinical Evidence?

Chairman: Ad Snik

Panelists: Astrid van Wieringen, Martijn Agterberg, Jolien Desmet, Ad Snik

13:10 – 14:00 Lunch

14:00 – 15:40 Special Session SPC-07 **ISA**

Sounds From Around the World: Bringing Audiology Together

Chairman: Thais C. Morata

Panelists:

Vinaya Manchaiah & Ross Roeser - An effort to develop a Global Resource for Audiology Information Networking (GRAIN)

Teresa Momensohn - Health and auditory rehabilitation in Brazil – paths traveled

Hung Thai-Van - Audiology in France: What is at stake for hearing aid prescription in 2020?

Zahra Polat - Audiology in Turkey

Jackie L. Clark - Following BioEthical Principles in Humanitarian Deployments (both

Telemedicine and On-site) Edilene Boechat: BIAP - the International Bureau of Audiophonology

Room: **BALLROOM D**

11:00 – 11:30 Keynote Lecture KL-11

Factors Affecting the Results of Cochlear Implantation. Evidence-Based Data

Milan Stankovic

11:40 – 12:40 Special Session SPC-06 **Ida Institute**

Active and Engaged Patients Through Telecare

Chairman: Cherilee Rutherford & Husmita Ratanjee-Vanmali

12:50 – 13:40 Oral Presentations OP-10

Education of Audiology Personnel

12:50-12:58 Charles Aussedat - Development of a virtual reality system to train and evaluate clinical audiology procedures

13:00-13:08 James W. Hall III - Education and Training of Audiology Support Personnel: A Multi-Tiered Model

13:10-13:18 Diego Santana-Hernandez - CBM's contribution towards accessible Primary Ear and Hearing Care: Results from Training of Trainers for Community Health Workers in India

13:20-13:28 David BAKHOS - Evaluation of a novel audiology training approach using virtual reality

13:30-13:38 Thais Morata - The International Journal of Audiology in the new landscape of science publishing

13:40 – 14:00 Lunch

14:00 – 15:40 Panel Discussion PD-14

What's New in Hearing Implants?

Chairman: Piotr H. Skarżyński

Room: **BALLROOM EF**

7:45 – 8:45 Panel Discussion PD-10

Models in Audiology Education

Chairman: Artur Lorens

Panelists: Frans Coninx, Ranjith Rajeswaran, Sophia Kramer, Frank Musiek, Krzysztof Kochanek

11:00 – 11:30 Keynote Lecture KL-12

Use of Device and Outcomes in the Largest State Government-funded CI Program in India – Lessons for Sustainable CI Model for Emerging Countries

Ranjith Rajeswaran

11:40 – 13:10 Panel Discussion PD-13

The plasticity of the auditory system in the early developmental period

Chairman: Josef Syka

Panelists: Andrej Kral, Martin Meyer, Oliver Profant

14:00 – 14:30 Keynote Lecture KL-15

Hyperacusis: Pathophysiology and Clinical Management

Martin Pienkowski & James W. Hall III

14:40 – 16:00 Oral Presentations OP-13

Technical Hearing Solutions

14:40-14:48 Ranjith Rajeswaran - Children with Auditory Brainstem Implant – Long Term Outcomes, Use of device and Channel Status.

14:50-14:58 Gijs Hoskam - VSB as a viable treatment for complex hearing loss: a first comparison.

15:00-15:08 Katarzyna Cywka - Treatment methods to improve hearing for patients with microtia and atresia- hearing devices options.

15:10-15:18 Ann-Charlotte Persson - Three year follow-up with the Bone Conduction Implant

15:20-15:28 Carolina Der - Active transcutaneous bone conduction implant: audiological results in paediatric patients with bilateral external auditory canal atresia

15:30-15:38 Maciej Mrowka - BAHA in various acquired and congenital ear malformations in children.

15:40-15:48 Patrik Westerkull - The Adhesive Bone Conduction system, ADHEAR – performance, physics and clinical evaluations

15:50-15:58 Iris H.-Y. Ng - Subjective satisfaction and audiological benefits with an adhesive bone-conduction device in a humid subtropical climate

Room: **KOMETA**

7:45 – 8:55 Oral Presentations OP-08

Hearing Aids

7:45-7:53 Anna Pastusiak - Polish Sentence Matrix Test: speech perception and hearing aid benefit measurement

7:55-8:03 Martijn Agterberg - Lateralization and localization of sounds when listening with

either one or two hearing aids

8:05-8:13 Tayfun Eyüpler - Hearing Aid Use and Efficiency in the Turkish Geriatric Population

8:15-8:23 Vinaya Manchaiah - One Dollar Hearing Aid: Addressing age related hearing loss through engineering accessible and affordable hearing technology

8:25-8:33 Merve Torun Topçu - Evaluation Of Hearing Aid Use In Conductive Hearing Loss With Turkish Matrix Test

8:35-8:43 Margaret Pichora-Fuller - Stigma does not affect the decision to hearing aids by new clients

8:45-8:53 Åsa Skagerstrand - Listening effort for persons with profound hearing loss

10:40 – 11:10 Keynote Lecture KL-13

Molecular biomarkers of neuroplasticity in prelingual deafness treatment with CI

Monika Matusiak

11:20 – 13:20 Oral Presentations OP-09

CI Outcomes

11:20-11:28 Robert Cowan - Unilateral versus Bilateral cochlear implants: Speech Perception, Language and Speech Production outcomes for matched groups.

11:30-11:38 Anita Obrycka - Long term results of bilateral sequential cochlear implantation in prelingually deaf children

11:40-11:48 Anna Balakina - Audiological outcomes and quality of life assessment in cochlear reimplant users

11:50-11:58 Artur Lorens - Cochlear Implant Outcomes Reporting based on International Classification of Functioning Disability & Health for the Evaluation

12:00-12:08 Robert Cowan - Language trajectories for children using cochlear implants: Examination of mutable and non-mutable child, device and family risk factors.

12:10-12:18 Zhang Si - The long-term hearing speech rehabilitation outcome for the patient with Cochlear Neural Canal Stenosis width of bony cochlear nerve canal

12:20-12:28 Yehree Kim - The Influence of Cochlear Nerve Deficit Region on the Outcome of Adult Cochlear Implantation

12:30-12:38 Ulrich Hoppe - Cochlear Implantation Outcome in Candidates with hearing thresholds below 80 dB

12:40-12:48 Robert Cowan - Factors affecting Speech Perception and Language Outcomes for Children using Cochlear Implants with an Autism Spectrum Disorder

12:50-12:58 Piotr H. Skarżyński - Hearing preservation of adult cochlear implant users with Partial Deafness – one year follow up after using different regimes of steroids therapy

13:00-13:08 Anja Kurz - The new SONNET 2 sound processor- outcomes with the new front-end processing technology ASM 3.0

13:10-13:18 Min Young Kwak - Prediction of Cochlear Implant Outcomes in the elderly

13:20 – 14:00 Lunch

14:00 – 16:00 Oral Presentations OP-11

Auditory Electrophysiology

14:00-14:08 Kurt Stephan - Auditory evoked brain stem responses for bone conduction using the ADHEAR bone conduction system

14:10-14:18 Wiktor Jedrzejczak - Contralateral suppression of otoacoustic emissions in pre-school children

14:20-14:28 Oleg Belov - An Interpretation of Fine Structure of Transient Evoked Otoacoustic Emissions

14:30-14:38 Amineh Koravand - Temporal processing measured by oddball and optimal paradigm MMN in adults and in school-age children

14:40-14:48 Désirée Ehrmann-Müller - The ASSR - Misleading in the diagnosis of Auditory Neuropathy Spectrum Disorder?

14:50-14:58 Enzo Pastore - Novel CAEP recording method using single-electrode stimulation: feasibility assessment and results

15:00-15:08 Joseph Kei - Test-retest repeatability of wideband absorbance measurements in quiet and in noise conditions

15:10-15:18 Kei J. - Predictive accuracy of wideband absorbance in identifying children with surgically confirmed otitis media with effusion

15:20-15:28 Lan LAN - Analysis of the Difference of Amplitude and Area Ratio of Cochlear Electrocochleography of Meniere's Disease and Auditory Neuropathy

15:30-15:38 Pedro Menezes - Cortical auditory evoked potentials in children with microcephaly related to zika virus

15:40-15:48 Xin Li - Medical and Clinical Characteristics of Brainstem Auditory Evoked Potential in Children with Brain Injury Syndrome

15:50-15:58 Ana Frizzo - Study of the central auditory function of children with microcephalia by Zika virus

Room: **WAWEL**

11:40 – 12:50 Snapshot ePoster Presentations S-03

Rehabilitation

11:40-11:42 Anna Pajor - The utility of clinical tests and mobile posturography in the rehabilitation assessment in patients with balance disorders.

11:44-11:46 Dhanashree Pillay - Shifting and Transforming the Practice of Audiology: The Inclusion of Spirituality, Religion and Alternative Practices.

11:48-11:50 Hashir Aazh - Patient Satisfaction from Outpatient Appointment (PSOA) questionnaire: Assessment of psychometric properties in an audiology clinic

11:52-11:54 Iris H.-Y. Ng - The ageing population: Clinical implications on the use of hearing devices

11:56-11:58 Jean Anne Schnittker - Swiss International Hearing Academy

12:00-12:02 Jong Woo Chung - Hyperbaric oxygen (HBO) therapy as an Effective Therapeutic option for Patients with Severe Idiopathic sudden sensorineural hearing loss

12:04-12:06 Kaja Kallisch - Phoneme training at home can improve speech recognition in noise in hearing impaired listeners

12:08-12:10 Luciana Macedo de Resende - Musical training in teenagers with Type 1 Neurofibromatosis: preliminary results and electrophysiological correlates

12:12-12:14 Martijn Agterberg - The dynamic 'ears' of bees; towards directional hearing with fully implantable microphones

12:16-12:18 Merve Torun Topçu - Effect of hearing aid use on temporal processing in conductive hearing loss

12:20-12:22 Milijana Malmberg - Clinically implementing online hearing support

12:24-12:26 Nomfundo Moroe - Communication experiences of staff with a hearing loss at an institution of higher learning in Johannesburg

12:28-12:30 Nomfundo Moroe - Levels of traffic noise exposure on public transport drivers in South Africa: where are the audiologists?

12:32-12:34 Ntsako Maluleke - Family-Centered Early Intervention for children who are deaf or hard of hearing: An integrative review

12:36-12:38 SeongJun Choi - Effectiveness of combination therapy on Profound sudden idiopathic sensorineural hearing loss

12:40-12:42 Sidika Cesur - Effects of vestibular migraine on psychosocial distress and relation to quality of life: a preliminary study

12:44-12:46 You-Ree Shin - Effects of music training on music enjoyment in CI recipients

14:40 – 15:40 Snapshot ePoster Presentations S-04

Etiologies of HL

14:40-14:42 Anna Olszewska-Staroń - A case of 11-year old patient with unilateral conductive hearing loss

14:44-14:46 Anna Pajor - Hearing thresholds in conventional and extended high frequencies audiometry in medical students and their self-reported music-listening habits

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- 14:48-14:50 Dominika Oziębło - Auditory neuropathy and optic atrophy due to very rare FDXR pathogenic variants
- 14:52-14:54 Dominika Oziębło - First confirmation of RMND1 gene as a cause of Perrault-like syndrome
- 14:56-14:58 Loisa Sandström - Developing acoustic criteria that reduces discomfort and hearing problems among pre-school children
- 15:00-15:02 Natalia Bałdyga - Three known hearing loss syndromes in one patient
- 15:04-15:06 Shno Koiak - Characterizing the speech-in-noise abilities of school-age children with a history of middle-ear diseases
- 15:08-15:10 Sidika Cesur - Audiological Profile and Follow up in Children with Slight-Mild Sensorineural Hearing Loss
- 15:12-15:14 Sukyoung Park - Analysis of newborn hearing screening's referral rates according to the test days after birth
- 15:16-15:18 Sung Il Cho - Mitophagy decreases in the cochlea of C57BL/6J mice with age-related hearing loss
- 15:20-15:22 Teresa Maria Momensohn-Santos - Dual sensory loss in a population of active elderly and the risk of falling.
- 15:24-15:26 Teresa Maria Momensohn-Santos - Prevalence of visual disorders and the number of falls in a population of elderly with hearing loss.
- 15:28-15:30 Viktoryia Lisotskaya - The Role of Auditory Synaptopathy in the Hearing Impairment in Patients with Primary Arterial Hypertension
- 15:32-15:34 Sandrine Marlin - Genotype-phenotype correlation of a cohort of 37 cases carrying bi-allelic OTOF pathogenic variants; a prerequisite for gene therapy
- 15:36-15:38 Sandrine Marlin - Genotype-phenotype correlation of GJB2 dominant mutations in a French cohort of syndromic and non-syndromic hearing loss.
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