

# XXXV World Congress of Audiology

19-22 April 2020, Warsaw, Poland

**22 April 2020, Wednesday**

**Warsaw Marriott Hotel, Warsaw**

Room: **BALLROOM AB**

---

7:45 – 8:55 Oral Presentations OP-14

## **Brain Plasticity**

7:45-7:53 Kerem Ersin - Normalization of Navigation Test in Visual Data Exclusion

7:55-8:03 Sonja Rossi - Electrophysiological and vascular processing of spoken and sung sentences in cochlear-implant patients compared to normal-hearing subjects

8:05-8:13 Maria Huber - The cognitive performance of older adults with late hearing loss improved after cochlear implantation, but to different extents.

8:15-8:23 Hong Ju Park - What Is the Sensitive Period to Initiate Auditory Stimulation for the Second Ear in Sequential Cochlear Implantation?

8:25-8:33 Hong Ju Park - Cortical reorganization by auditory deprivation predicts cochlear implant performance in deaf adults

8:35-8:43 Hong Ju Park - Cochlear Implantation in Postlingually Deaf Adults is Time-sensitive Towards Positive Outcome: Prediction using Advanced Machine Learning Techniques

8:45-8:53 Catherine McMahon - Cross-modal activity and relationship to functional speech outcomes in post-lingual cochlear implant users

---

11:00 – 11:30 Keynote Lecture KL-16

## **Electrocochleography in CI Subjects**

Sabine Haumann

---

11:40 – 13:10 Panel Discussion PD-15

## **Electrophysiological Diagnostic Evaluation in Infants and Children - How to Configure the Type, Degree and Configuration of the Hearing Loss**

Chairman: Monica Chapchap

Panelists: Sebastian Cozma, Flavia Ribeiro, Edilene Boechat, Martin Walger

---

13:20 – 13:50 Keynote Lecture KL-21

## **The Ototoxicity of Environmental Chemicals: Recent Developments Towards Clinical Diagnosis and Preventive Interventions**

Thais C. Morata

---

---

14:00 – 15:00 Oral Presentations OP-20

**Occupational Risks**

14:00-14:08 Bei Li - The Characteristic of Speech Recognition and Temporal Resolution in a Noise Exposure Cohort

14:10-14:18 Liepollo Ntlhakana - Proactive data management system to identify miners at risks for occupational noise induced hearing loss (ONIHL)

14:20-14:28 Nomfundo Moroe - Levels of traffic noise exposure on public transport drivers in South Africa

14:30-14:38 Katya Freire - Innovations towards preserving the hearing of musicians

14:40-14:48 Antonia Dolan - Preferred Music-Listening Level in Musicians and Non-Musicians

14:50-14:58 Dhanashree Pillay - Not everything is Music to your Ears: Hearing, balance and ear care hygiene practices of individuals involved in music.

---

Room: **BALLROOM CD**

---

7:45 – 8:45 Oral Presentations OP-15

**Electrophysiology**

7:45-7:53 Paulina Hawryluk - Evaluation of ECoG for the monitoring of cochlear implant electrode insertion

7:55-8:03 Lech Śliwa - Assessment of wideband middle ear absorbance in implanted partial-deafness (PDT) patients

8:05-8:13 Hulya Gocmenler - Relation between speech perception in noise and P300 in young cochlear implant recipients

8:15-8:23 Bartosz Kochański - Influence of spectral characteristics of auditory stimuli on amplitudes of cortical auditory evoked potentials – a pilot study

8:25-8:33 Anna Błaszczak - Effect of rise time of 500 Hz tone pip on auditory brainstem responses thresholds

8:35-8:43 Andrzej Kukwa - Auditory brainstem responses (ABRs) and suprathreshold tests in people with Sleep Apnea Syndrome.

---

9:00 – 10:30 Round Table **RT-03**

**The Listening Brain**

Chairman: Robert Cowan

---

---

15:10 – 15:40

**Congress Closing Ceremony**

---

Room: **BALLROOM C**

---

11:00 – 11:30 Keynote Lecture KL-17

**Value of auditory (acoustic) implants**

Ad Snik

---

11:40 – 13:10 Panel Discussion PD-16

**Objective Measures in CI**

Chairman: George Tavartkiladze

Panelists:

Angel Ramos - Assessing the placement of perimodiolar arrays by Trans Impedance Matrix

Analysis

Manuel Manrique - PET in asymmetric hearing loss

George Tavartkiladze - Cortical responses in patients wearing cochlear implants

Robert Cowan

Vigen Bakhshinyan - Innovative technologies of rehabilitation based on objective measures

---

13:20 – 13:50 Keynote Lecture KL-22

**How Technology, Life Experiences, and Imagination Shape Brain Specialization and Can be Used for Visual and Auditory Impairments**

Amir Amedi

---

14:00 – 14:50 Oral Presentations OP-21

**Auditory Processing**

14:00-14:08 Anna Kam - The use of assistive listening device in enhancing auditory processing abilities in Chinese children with dyslexia

14:10-14:18 Dani Tomlin - Comparison of two remediation approaches for Auditory Processing Disorder

14:20-14:28 Josee Lagace - Speech Recognition Abilities in Normal-Hearing Children and Adults in Stationary and Multitalker Babble Noise

14:30-14:38 Kelley Graydon - Does remediation improve a child's ability to understand speech

---

---

in noise?

14:40-14:48 Olga Dlouha - Dichotic listening in children with developmental dysphasia

---

Room: **BALLROOM D**

---

11:00 – 11:30 Keynote Lecture KL-18

**The Impact of Tinnitus on Sleep and How This Can be Managed with Audiologist-Delivered Cognitive Behavioral Therapy?**

Hashir Aazh

---

11:40 – 13:10 Panel Discussion PD-17

**Hyperacusis & Tinnitus Management: Research Evidence Informing Best Practice**

Chairman: Hashir Aazh

Panelists: Maria Boboshko, Michael Landgrebe, Magdalena Sereda, Hannah Keppler

---

13:20 – 13:50 Keynote Lecture KL-23

**Audiological Battery Test in Tinnitus Patients**

Madalina Georgescu

---

14:00 – 14:50 Oral Presentations OP-22

**Implant Candidacy**

14:00-14:08 Hao WU - Current Indications of Cochlear Implantation in China

14:10-14:18 Leo De Raeve - Candidacy for CI in case of asymmetric hearing loss in new-borns: what number can we expect?

14:20-14:28 Catherine Sucher - Cochlear implant uptake rates; the influence of hearing loss configuration.

14:30-14:38 Maaïke Bouwes Bavinck - Perceived Self-Acceptance Measure Predicts CI-outcome in Adult CI Users

14:40-14:48 Anna Ratuszniak - The Bonebridge implant in adults with conductive and mixed hearing loss: audiological and quality of life outcomes

---

Room: **BALLROOM EF**

---

7:45 – 8:55 Oral Presentations OP-16

**Medical Audiology**

7:45-7:53 Ekaterina Garbaruk - Hearing loss in children with congenital cytomegalovirus infection

7:55-8:03 Merve Torun Topçu - Investigation of the effects of vitamin A derived acidretin treatment on hearing in patients with proriasis vulgaris

8:05-8:13 Min Young Lee - Anatomical position of AICA loop as a prognostic factor for idiopathic unilateral SSNHL

8:15-8:23 Sidika Cesur - Evaluation of the effects of peripheral vestibular pathologies on quality of life

8:25-8:33 Tugce Sila Baytok - Audiological and histopathological effects of propolis on noise-induced hearing loss

8:35-8:43 Aleksandra Dąbkowska - Total and partial ossiculoplasty in middle ear malformations: audiological results

8:45-8:53 Bernard Fraysse - How to select rehabilitation strategy in otosclerosis ?

---

11:00 – 11:30 Keynote Lecture KL-19

**Longitudinal Linguistic and Auditory Outcomes in Children with SSD and CI**

Astrid van Wieringen

---

11:40 – 13:10 Panel Discussion PD-18

**e-Health Solutions in Audiology: Presence and Future**

Chairman: Agnes Szczepek

Panelists: De Wet Swanepoel, Vinaya Manchaiah

---

13:20 – 13:50 Keynote Lecture KL-24

**What Limits Do We Find in Audiology and Balance Pathology?**

Angel Ramos-Macias

---

14:00 – 15:00 Panel Discussion PD-19

**Experimental Audiology**

Chairman: Stavros Hatzopoulos

Panelists: Krzysztof Kochanek, W. Wiktor Jędrzejczak, Stavros Hatzopoulos

---

Room: **KOMETA**

---

- 7:45-7:53 Cerys Downing - Normative Wideband Tympanometry measurements in Australian school children.
- 7:55-8:03 Hannah Keppler - Auditory late effects in survivors of childhood brain tumors
- 8:05-8:13 Lan Lan - The Feature of Extended High-frequency and Distortion Product Input-Output of Auditory Neuropathy Patients
- 8:15-8:23 Lucretia Petersen - DPOAEs and hfPTA in the detection of ototoxic cochlear damage
- 8:25-8:33 Murat Selçuk Çakır - The Change in Compliance Values in the Geriatric Population
- 8:35-8:43 Viktoriya Lisotskaya - The Role of Auditory Synaptopathy in the Hearing Impairment in Patients with Primary Arterial Hypertension
- 8:45-8:53 Xin Li - Clinical analysis of inner ear function in OSAHS patients
- 

10:40 – 11:10 Keynote Lecture KL-20

### **Audiological Results of Middle Ear Surgery**

Milan Stankovic

---

11:20 – 13:10 Oral Presentations OP-18

### **Age-related Hearing Loss**

- 11:20-11:28 James W. Hall III - Practicing Preventive Audiology: Promoting Healthy Hearing Across the Lifespan
- 11:30-11:38 Kyoung Min Kim - A Nationwide Population-based Study of Association between Age-related Hearing Loss and Cognitive Disorder in Korea.
- 11:40-11:48 Mark Laureyns - The relation between self-reported hearing functionality, pure-tone audiometry, speech audiometry in noise and burn-out
- 11:50-11:58 Huili Zheng - From “seeking help from doctors” to “becoming hearing aid users” — A qualitative study on older adults with hearing loss in mainland China
- 12:00-12:08 Catherine McMahon - Reframing hearing through cultural, social, and psychological lenses
- 12:10-12:18 Ahsen Kartal - Evaluation of central auditory system in young and elderly individuals
- 12:20-12:28 Ewa Tomanek - Hearing and cognitive outcomes of cochlear implantation in the elderly patients.
- 12:30-12:38 Grace Nixon - The Effect of Higher Order Listening Function and Hearing Loss on Cognition in Older Adults
- 12:40-12:48 Oliver Profant - Effect of presbycusis and tinnitus on the auditory pathway and auditory – limbic connections.
- 12:50-12:58 Parisa Rasouli Fard - Effect of rehabilitation training based on temporal fine structure on perception speech in noise on elderly with mild to moderate hearing loss
- 13:00-13:08 Sylwia Kolasa - Hearing loss, balance and mobility in older adults. Associations and
-

---

interventions. Study protocol.

---

13:20 – 15:00 Oral Presentations OP-19

**CI Fitting**

13:30-13:38 Tobias Rader - Automated psychoacoustical adjustments of electrical hearing thresholds in cochlear implant patients

13:40-13:48 Adam Walkowiak - Relationship between electrically evoked stapedius reflex threshold (ESRT) and stimulus burst duration in a group of children using cochlear implants

13:50-13:58 Andreas Björsne - Do experienced cochlear implant users benefit from automatic preprocessing and would they like of-the-ear processor placement?

14:00-14:08 N Wendell Todd - What is optimal habilitation for the adults after routine cochlear implantation to achieve listening-speaking communication?

14:10-14:18 Ariane Laplante-Lévesque - Oticon Medical Neuro cochlear implant system outcomes with focus on benefit improved speech perception and reduced listening effort

14:20-14:28 Jane Brew - A review of cochlear implant users with autism spectrum disorder

14:30-14:38 Josef Seebacher - Sound localization in bimodal listeners with optimized stimulation timing of cochlear implant and hearing aid

14:40-14:48 Katarzyna Krzystanek - Beyond hearing is BrainHearing™: Cochlear implant systems that maximise the cognitive development of children

14:50-14:58 Marika Kruszyńska - Sound localization after cochlear implantation in patients with unilateral hearing loss

---

Room: **WAWEL**

---

11:40 – 12:40 Snapshot ePoster Presentations S-05

**Diagnostics**

11:40-11:42 Amineh Koravand - The frequency-following response (FFR) to speech /da/ recorded with and without babble noise in adults and healthy newborns

11:44-11:46 Catherine McMahon - How well do current measures of listening assess everyday communication?

11:48-11:50 Gabriela Cintra Januário - Cortical activation in children with congenital toxoplasmosis during auditory stimuli

11:52-11:54 Gaziz Tufatulin - The spectral shape of stimuli, using for aided free field ASSR: real ear measurements' results

11:56-11:58 Jee Yeon Lee - Changes in Cortical Auditory Evoked Potentials by Ipsilateral, Contralateral and Binaural Speech Stimulation in Normal Hearing Adults

12:00-12:02 Julie Purdy - Comparison of the Auditory Processing Domains (APDQ) and Evaluation of Children's Listening and Processing Skills (ECLiPS) Questionnaires

12:04-12:06 Klaudia Pyrzyk - Repeatability of otoacoustic emissions' suppression in young

---

---

adults – preliminary results

12:08-12:10 Olivia Cyran - Results of pilot hearing screening in schoolchildren from selected Asian countries

12:12-12:14 R. Nur Aktan - Coherence and spectral analysis of the sentences that will be used in school age children speech comprehension test

12:16-12:18 SeongJun Choi - Early intervention after Newborn Hearing Screening test (local community-centered approach)

12:20-12:22 Weronika Świerniak - Hearing screening in school-age children from Kyrgyzstan: results of screening and follow-up

12:24-12:26 Weronika Świerniak - Pilot hearing screening in school-age children from different countries in Africa

---

14:00 – 15:00 Snapshot ePoster Presentations S-06

### **Tinnitus & Hyperacusis**

14:00-14:02 Hirokazu Sakamoto - Usefulness and problems of autonomic nerve measurement in chronic tinnitus

14:04-14:06 Hong Ju Park - A novel water occlusion test for disorders causing pulsatile tinnitus: Our experience in 32 patients

14:08-14:10 Joong Ho Ahn - Influence of Tinnitus on Sound Localization test

14:12-14:14 Laure Jacquemin - Sensitivity to change and convergent validity of the Tinnitus Functional Index (TFI) and Tinnitus Questionnaire (TQ)

14:16-14:18 Magdalena Sereda - Sound therapy (using amplification devices and/or sound generators) for tinnitus: a Cochrane review

14:20-14:22 Magdalena Sereda - A United Kingdom clinician consensus definition and description of hyperacusis: A Delphi survey

14:24-14:26 Magdalena Sereda - Effectiveness of blinding and occurrence of adverse effects in sham-controlled transcranial direct current stimulation (tDCS) study

14:28-14:30 Małgorzata Buksińska - Hearing loss and tinnitus after ultrasonic scaling: a case report

14:32-14:34 Mari Ito - Case report of experience of using contralateral routing of signals for tinnitus retraining therapy

14:36-14:38 Rafal Milner - Altered electrophysiological activity during concentration on high-distressed chronic tinnitus

14:40-14:42 Shoko Kato - Tinnitus Pitch Fluctuations during Sound Therapy

14:44-14:46 Viktoriya Lisotskaya - Personalized Approach in the Diagnostic and Treatment of Tinnitus

14:48-14:50 Ewa Domarecka - Strain-specific changes occurring in animal auditory system after stress

---