Program

November 27 (Wed)

Room 1 (Eminence)

10:30-12:00  **HEARRING Symposium**

*HEARRING: Setting the standards*

Moderator: Wolf-Dieter Baumgartner, *Austria*

12:40-14:10  **Pre-symposium 1: Cochlear**  
*Sponsor: Nihon Cochlear Co., Ltd.*

*Access To Hearing Health*

Moderator: Tatsuya Yamasoba, *Japan*

Welcome & introduction: Anthony Bishop, President, Cochlear APAC

Cochlear implantation: pioneering & progress  
Presenter: James Patrick, *Australia*

“Standard of Care” in adult hearing loss hosted by Gerard O’Donoghue, UK

Aligning an industry around standard of Care: introduction  
Presenter: Gerard O’Donoghue, *UK*

Panel discussion  
Chair: Gerard O’Donoghue, *UK*  
Panelists:  
Milind Kirtane, *India*  
Tatsuya Yamasoba, *Japan*  
Wu Hao, *China*  
Robert Briggs, *Australia*

Recent Developments in Access to Cochlear Implantation in Japan  
Presenter: Akira Ishiyama, *USA*

A changing industry: How we treat Seniors with hearing loss  
Presenter: Catherine Birman, *Australia*

14:30-16:00  **Pre-symposium: MED-EL**  
*Sponsor: MED-EL Medical Electronics*

*The Future of CI is Now*

Moderator: Ilona Anderson, *Austria*
Pre-symposium 2: Cochlear

Hearing Loss Management: Making A Difference Through Technological Innovation
Moderator: James Patrick, Australia

Future innovation in hearing care driven through big data
Presenter: Craig Sharp, Australia

Evolving care pathways & greater access to hearing
Presenter: Denice Bos, New Zealand

Cochlear implantation: The importance of electrode placement in clinical outcomes
Presenter: Robert Briggs, Australia

Panel discussion: Future technology & clinical innovations hosted by Jan Janssen
Panelists: Angel Ramos Macias, Spain
Robert Briggs, Australia
Blake Papsin, Canada
Thomas Lenarz, Germany
November 28 (Thur)

Room 1 (Eminence)

8:30-8:50 Opening Ceremony

| OC-1 | Tatsuya Yamasoba  
President, APSCI2019 |
| OC-2 | Iwao Honjo  
Honorary Committee, APSCI2019 |
| OC-3 | Hiroshi Moriyama  
President, the Oto-Rhino-Laryngological Society of Japan, Inc. |

8:50-9:50 Opening Lectures

Moderator: Tatsuya Yamasoba, Japan

| OP-1 | Ear and Hearing in History of Japan  
Kimitaka Kaga  
National Institute of Sensory Organs, National Hospital Organization Tokyo Medical Center, Tokyo, Japan |
| OP-2 | What we learned from initial multi-channel CI in Japan  
Kozo Kumakawa  
Department of Oto-laryngology, Akasaka Toranomon Clinic, Tokyo, Japan |
| OP-3 | Database of cochlear implantation in Japan  
Haruo Takahashi  
The Oto-Rhino-Laryngological Society of Japan, Inc., Tokyo, Japan |

10:10-11:25 Sponsored Symposium 1  
Sponsor: Nihon Cochlear Co., Ltd.

Patient-Centred Care: Treatment Paradigms & Outcomes

Moderator: Tetsuya Tono, Japan

| SS1-1 | Video Introduction  
Graeme Clarke, Australia |
| SS1-2 | Improving Outcomes in Cochlear Implants: Findings From the LOCHI Study  
Teresa YC Ching  
National Acoustic Laboratories, Sydney, Australia |
| SS1-3 | Impact of Surgery and Electrode Placement on Cochlea Health  
Akira Ishiyama  
David Geffen School of Medicine, Ronald Reagan UCLA Medical Center, Los Angeles, USA |
| SS1-4 | Innovation Improving Hearing Performance: Single Sided Deafness & Mixed or Conductive Hearing Loss  
Blake Papisin  
The Hospital for Sick Children, The University of Toronto, Toronto, Canada |
Clinical Evidence and Experience: Confidence in early decisions for parents and professionals
Aleisha Davis
The Shepherd Centre, Macquarie University, Newtown, Australia

11:40-12:30 Luncheon Seminar 1

Leading in Technology for Better Outcomes
Moderator: Vdkmar Hamacher, Germany

LS1-1 Volkmar Hamacher, Germany
LS1-2 Patric Axon, UK
LS1-3 Volkmar Hamacher, Germany
LS1-4 Meredith Holcomb, USA
LS1-5 Volkmar Hamacher, Germany

12:40-14:10 Symposium 1

Hearing Preservation 1
Moderators: Hiromi Kojima, Japan
Pu Dai, China

SY01-1 Keynote: Hearing preservation: keeping cochlear function during CI is more important than drug therapy
Stephen O’Leary
University of Melbourne, Melbourne East, Australia

SY01-2 Long Term Preservation of residual hearing after atraumatic cochlear implantation
Pu Dai
Department of Otolaryngology and Head and Neck Surgery, Chinese PLA General Hospital, Beijing, China

SY01-3 Does the flawlessness of the operation matter for hearing preservation?
Joshua KC Chen
Far Eastern Memorial Hospital, New Taipei, Taiwan

SY01-4 EAS using longer electrodes
Shin-ichi Usami
Department of Otorhinolaryngology, Shinshu University School of Medicine, Matsumoto, Japan / Department of Hearing Implant Sciences, Shinshu University School of Medicine, Matsumoto, Japan

SY01-5 Hearing preservation
Fan Zhao-Min
Shandong Provincial ENT Hospital, Shandong, China
### Symposium 2

**Novel/Future Device and Therapy 1**

**Moderators:** Levent Olgun, *Turkey*  
Haruo Takahashi, *Japan*

| SY02-1 Keynote: Advanced Auditory Implants for Future Hearing Rehabilitation  
Thomas Lenarz  
*Department of Otolaryngology, Hannover Medical School, Hannover, Germany*
| SY02-2 Two novel therapies delivered with cochlear implant devices: steroid eluting array and gene therapy  
Catherine Birman  
*Sydney Cochlear Implant Centre, Sydney, Australia*
| SY02-3 Hearing preservation by insulin-like growth factor 1 in a guinea pig model of cochlear implantation  
Norio Yamamoto  
*Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University, Kyoto, Japan*
| SY02-4 Drug delivery devices to treat post-operative trauma after cochlear implantation  
Claude Jolly  
*MED-EL Elektromedizinische Geraete Gesellschaft m.b.H, Innsbruck, Austria*
| SY02-5 Gene therapy and cochlear implantation: lessons from the first inner ear gene therapy trial  
Hinrich Staecker  
*University of Kansas School of Medicine, Kansas City, USA*
| SY02-6 Endoscopic Assisted/Transcanal Cochlear Implantation  
Wai Tsz Chang  
*The Chinese University of Hong Kong, Shatin, Hong Kong*

### Symposium 3

**Novel/Future Device and Therapy 2**

**Moderators:** Norio Yamamoto, *Japan*  
Michael Chi Fai Tong, *Hong Kong*

| SY03-1 Can robots improve implantation? Comparisons between assisted and traditional cochlear implantation  
William Crohan  
*University of Western Australia, Perth, Australia*
| SY03-2 ECochG measurements to predict outcome after cochlear implantation in subjects with residual hearing  
Andreas Buechner  
*ENT Department, Medical School Hannover/Germany, Hannover, Germany*
| SY03-3 Personalized Cochlear Implantation: size matters  
Paul van de Heyning  
*Department Otorhinolaryngology and Head and Neck Surgery, Antwerp University Hospital, University of Antwerp, Antwerp, Belgium*
**SY03-4**  
**Prediction of CI Outcomes in Postlingually Deaf Adults using Advanced Machine Learning Techniques**  
Hong Ju Park  
*Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea*

**SY03-5**  
**Robotic Cochlear Implantation: First in Man Trial**  
Marco Caversaccio  
*Department of ORL, Head and Neck Surgery, Inselspital, University Hospital Bern, Bern, Switzerland*

**SY03-6**  
**A Parental Tool to Drive Outcomes in Cochlear Implant Children**  
Neevita Narayan  
*SpHear Speech & Hearing Clinic, New Delhi, India*

**SY03-7**  
**Intra-operative evaluation of CI electrodes using mobile cone-beam CT**  
Norio Yamamoto  
*Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University, Kyoto, Japan*

**SY03-8**  
**Suitability of the Ultra3D implant for 1.5 and 3 Tesla MRI scanning**  
Patrick Axon  
*University of Cambridge Hospitals NHS Foundation Trust, Cambridge, UK*
Room 2 (Nishiki)

10:10-11:25  **Sponsored Symposium 1**  
Sponsor: Nihon Cochlear Co., Ltd.

Patient-Centred Care: Treatment Paradigms & Outcomes  
プログラム詳細：P31-32 参照  
※日本語への同時通訳音声を聴講できます。

11:40-12:30  **Luncheon Seminar 2**  
Sponsor: Audmet K.K., Japan

Moderator: Katsumi Doi, Japan

- LS2-1  Image-guided Insertion of the Neuro2 EVO ZTI Electrode Array  
  Sebastien Schmerber  
  Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Grenoble, Saint-Martin-d’Heres, France

- LS2-2  Ear Science Institute, Oticon and the CI System  
  Marcus Atlas  
  Ear Science Institute Australia, Perth, Australia

12:40-13:40  **Education Program for Japanese 1**  
司会：伊藤 健  
帝京大学医学部附属病院耳鼻咽喉科

- EP1-1 成人人工内耳の適応と検査  
  武田 英彦  
  虎の門病院耳鼻咽喉科

- EP1-2 人工内耳の適応と検査：小児編  
  内藤 泰  
  神戸市立医療センター中央市民病院耳鼻咽喉科

13:40-14:40  **Education Program for Japanese 2**  
司会：曾根 三千彦  
名古屋大学大学院医学系研究科頭頸部・感覚器外科学耳鼻咽喉科

- EP2-1 人工内耳適応前の補聴器調整  
  杉内 智子  
  杉内医院

- EP2-2 HA下の聴取能評価  
  赤松 裕介  
  東京大学大学院医学系研究科耳鼻咽喉科・頭頸部外科学分野

15:00-16:00  **Education Program for Japanese 3**  
司会：廣田 栄子  
筑波大学人間系

- EP3-1 前言語期における人工内耳を装用した難聴乳幼児の聴覚活用に関する評価のコツ  
  北野 康子  
  NPO 法人信州きこえとことばのセンターやまびこ

- EP3-2 人工内耳の成績に関する因子（小児）  
  尾形 エリカ  
  東京大学大学院医学系研究科耳鼻咽喉科・頭頸部外科学分野
16:00-17:00  
**Education Program for Japanese 4**

**司会:** 大島 猛史  
日本大学医学部耳鼻咽喉・頭頸部外科

- **EP4-1**  
人工内耳の成績に関する因子（成人）  
伊藤 壽一  
滋賀県立総合病院研究所

- **EP4-2**  
マッピングと術後聴覚管理 MEDEL編 1  
久保田 江里  
国際医療福祉大学三田病院耳鼻咽喉科

- **EP4-3**  
最初の1年間の（リ）ハビリテーション  
Rebecca Claridge  
メドエル（リハビリテーション）, Innsbruck, Austria

17:10-18:10  
**Paper 1**

**Music Perception and QOL**

**Moderators:**  
Nozomu Matsumoto, Japan  
Jane Brew, Australia

- **O1-1**  
Choral Participation For Children Who Use Cochlear Implants  
Jame Brew  
SCIC Cochlear Implant Program - An RIDBC Service, Sydney, Australia

- **O1-2**  
Assessment of music perception abilities for pediatric cochlear implant users  
Eugenijus Lesinskas  
Vilnius University Medical Faculty Department of Clinical Medicine, Vilnius, Lithuania

- **O1-3**  
A Longitudinal Research on Development of Music Perception in Adult Cochlear Implant Recipients  
Bo Liu  
Beijing Institute of Otolaryngology, Beijing Tongren Hospital, Capital Medical University, Beijing, China

- **O1-4**  
Subjective Music Appreciation of Cochlear Implant Users in Chinese Songs  
Ssu-Ying Lai  
Auditory Implant Center, Far Eastern Memorial Hospital, New Taipei, Taiwan

- **O1-5**  
Assessment of quality of music perception through implant and effects of music therapy in children  
Barbara Kaczynska  
Institute of Physiology and Pathology of Hearing, Warsaw, Poland

- **O1-6**  
Music training for children with hearing loss: music, speech, and psychosocial benefit  
Chi Yhun Lo  
Department of Linguistics, Macquarie University, Sydney, Australia
**Room 3 (Hana C)**

**12:40-14:10  Symposium 4**

**Single Side Deafness and Asymetric HL**

**Moderators:** Gunesh P Rajan, *Switzerland, Australia*
Phillip Chang, *Australia*

| **SY04-1** Keynote: Asymetrical hearing loss (from SSD to symmetrical) and CI outcomes  
Marcus D Atlas  
Ear Science Institute Australia, Perth, Australia |

| **SY04-2** Single sided hearing loss: Sydney Cochlear Implant Centre experience  
Catherine Birman  
Sydney Cochlear Implant Centre, Sydney, Australia |

| **SY04-3** Solutions for SSD: CROS, BCID, CI or all of the above  
Colleen Psarros  
Hearing Implants Australia, Sydney, Australia |

| **SY04-4** Experience with bone conductive implant and middle ear implant for SSD  
Satoshi Iwasaki  
Department of Otolaryngology, International University of Health and Welfare Mita Hospital, Tokyo, Japan |

| **SY04-5** Influences of Worse-ear Deafness Duration on the CI Outcome in Post-Lingual Asymmetric Hearing Loss  
Byung-Yoon Choi  
Seoul National University Bundang Hospital, Seoul, Korea |

| **SY04-6** Experience with CI and BAHA in Single Sided Deafness  
Robert JS Briggs  
The University of Melbourne, Melbourne, Australia |

**14:30-16:00  Symposium 5**

**Vestibular Preservation and Electric Stimulation**

**Moderators:** Shinichi Iwasaki, *Japan*
Jay T Rubinstein, *USA*

| **SY05-1** Keynote: Chronic electrical stimulation of the otolith organ. Preliminary results in humans  
Angel Ramos Macias  
Las Palmas University, Las Palmas, Spain |

| **SY05-2** Keynote: Recent results in vestibular implantation  
Jay T Rubinstein  
Virginia Merrill Bloedel Hearing Research Center, University of Washington, Seattle, USA |

| **SY05-3** Effects of noisy galvanic vestibular stimulation on postural stability in bilateral vestibulopathy  
Shinichi Iwasaki  
Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan |

| **SY05-4** Influence of cochlear implant on vestibular function  
Ja-Won Koo  
Department of Otorhinolaryngology, Seoul National University Bundang Hospital, Seongnam, Korea |
Vestibular Preservation after Cochlear Implantation using a Round Window Approach
Keita Tsukada
Department of Otorhinolaryngology, Shinshu University School of Medicine, Matsumoto, Japan

16:20-18:05 Symposium 6
Genetics

Moderators: Shin-ichi Usami, Japan
Frederick Kozak, Canada

Keynote: Progressing from the Lab to the Clinic: Massively Parallel DNA Sequencing for Deafness
Shin-ichi Usami
Department of Otorhinolaryngology, Shinshu University School of Medicine, Matsumoto, Japan / Department of Hearing Implant Sciences, Shinshu University School of Medicine, Matsumoto, Japan

Analysis of cochlear implantation effect in patients with SLC26A4 gene mutation
Pu Dai
Department of Otolaryngology and Head and Neck Surgery, Chinese PLA General Hospital, Beijing, China

Rehabilitative team management for pediatric CI recipients with special auditory considerations
Ying-Chuan Julie Ma
Children's Hearing Foundation, Taipei, Taiwan

The molecular etiology and auditory performance in the postlingually deafened cochlear implantees
Byung Yoon Choi
Department of Otolaryngology and Head and Neck Surgery, Seoul National University Bundang Hospital, Seongnam, Korea

Newborn genetic and CMV screenings in Taiwan
Chen-Chi Wu
Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan

Precision Medicine in Cochlear Implantation: The NTUH Experience
Chen-Chi Wu
Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan
Room 4 (Hana D)

12:40-14:10  Symposium 7
Awareness of CI

Moderators: Joachim Muller, Germany
Tetsuya Tono, Japan

SY07-1 Remarks on the Development and the Current Situation in Germany
Joachim Muller
Department of Otorhinolaryngology, Section Cochlear Implants and Otology, Munich University, Munich, Germany

SY07-2 Benefits of EAS: from a Medical Student Point of View
Kawakita Masayuki
Shinsui University School of Medicine, Matsumoto, Japan

SY07-3 Cochlear Implants for Children in Japan
Lin Ito
NPO Yamabiko, Nagano, Japan

SY07-4 Approach to hearing loss in Japan
Kayo Ito
Policy Planning Division, Department of Health and Welfare for Persons with Disabilities, MHLW, Tokyo, Japan

SY07-5 The Suitability Of Information About Cochlear Implants For Potential Adult Recipients
Valerie Looi
Advanced Bionics (Asia Pacific), Sydney, Australia

SY07-6 Recent Developments In Access To Cochlear Implantation In the United States
Akira Ishiyama
Department of Otolaryngology and Head and Neck Surgery, UCLA School of Medicine, Los Angeles, USA

14:30-16:00  Symposium 8
Music Perception and QOL

Moderators: Yang Sun Cho, Korea
Hiromi Ueda, Japan

SY08-1 The role of quality of life measures in hearing implantation: shifting the mind set
Colleen Psarros
Hearing Implants Australia, Sydney, Australia

SY08-2 Measuring longitudinal changes in Quality of Life in hearing implant users
Luis Lassaletta
La Paz University Hospital, Madrid, Spain

SY08-3 Music therapy and music training for pediatric CI patients
Takayuki Nakata
Department of Intelligent and Complex Systems, Faculty of Systems Information Science, Future University Hakodate, Hakodate, Japan

SY08-4 Music Activity for Cochlear Implant
Yuji Matsumoto
Music Institute for Hearing Impaired, Tokorozawa, Japan

SY08-5 Self-esteem in the recipients of cochlear implantation
Jong Woo Chung
Department of ORL-HNS, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea
A cross country comparison of music in families with and without hearing impaired children
Valerie Looi
Advanced Bionics Asia Pacific, Sydney, Australia

16:20-18:05 Symposium 9
Elderly

Moderators: Yasue Uchida, Japan
Catherine Birman, Australia

| SY09-1 Keynote: Hearing loss, cognitive decline and global health
Gerard O’Donoghue
Departments of Otolaryngology, Nottingham University Hospitals, Nottingham, UK / Duke University, North Carolina, USA |
| SY09-2 Feasibility study with the MOCA-H and HADS for elderly cochlear implant recipients
Catherine Birman
Sydney Cochlear Implant Centre, Sydney, Australia |
| SY09-3 Adult CI Candidacy - expanded criteria and new experiences
Heng Wai Yuen
Department of Otolaryngology-Head & Neck Surgery, Changi General Hospital, SingHealth Academic Medical Center, Singapore, Singapore |
| SY09-4 Dispelling the myths of cochlear implantation in the elderly
Colleen Psarros
Hearing Implants Australia, Sydney, Australia |
| SY09-5 The use of hearing device among older adults - Clinical implications on an aging population
Iris H.-Y. Ng
Department of Otorhinolaryngology, Head and Neck Surgery, Institute of Human Communicative Research, The Chinese University of Hong Kong, Hong Kong, Hong Kong |
| SY09-6 Cochlear implantation and cognition in elderly patients
Olivier Sterkers
Sorbonne Universite, Inserm, Unite Rehabilitation Chirurgicale Mini-invasive et Robotisee de l’Audition, Paris, France |
12:40-13:40 **Paper 2**

**Coding Strategy**

Moderators: Andreas Buechner, Germany  
Akira Inagaki, Japan

| O2-1 | Speech Intelligibility Test of ‘eVoice’, a new noise-reduction algorithm in Nurotron Enduro Systems  
Huali Zhou  
*Acoustics Lab, School of Physics and Optoelectronics, South China University of Technology, Guangzhou, China*

| O2-2 | Simulation of three auditory physiology based CI sound coding strategies with Mandarin speech  
Enoch Hsin-Ho Huang  
*Department of Electrical Engineering, National Central University, Taoyuan, Taiwan*

| O2-3 | The impact of low rate stimulation on speech and sound perception using the ACE strategy  
Andreas Buechner  
*Medical University of Hannover, Hannover, Germany*

| O2-4 | Early Experience with Slim Modiolar Cochlear Implant Electrode Array (CI532)  
Yoonjoong Kim  
*Seoul National University Hospital, Seoul, Korea*

| O2-5 | ElectrodeNet-artificial intelligence based sound coding strategy for cochlear implants  
Enoch Hsin-Ho Huang  
*Department of Electrical Engineering, National Central University, Taoyuan, Taiwan*

| O2-6 | A binaural cochlear-implant sound coding strategy inspired by the medial olivocochlear reflex  
Enrique A. Lopez-Poveda  
*University of Salamanca, Salamanca, Spain*

13:40-14:40 **Paper 3**

**Intraoperative Monitoring**

Moderators: Takeshi Matsunobu, Japan  
Tetsuaki Kawase, Japan

| O3-1 | Auditory Nerve Integrity Monitoring during SCIRAN surgery  
Pui Yin Chu  
*Sydney Cochlear Implant Centre, Royal Institute for Deaf and Blind Children, Sydney, Australia*

| O3-2 | CI in vestibular schwannoma surgery, assessment of acoustic nerve with an intracochlear electrode  
Emilio Amilibia  
*Department of Otolaryngology, Hospital Universitari Germans Trias i Pujol, Badalona, Spain*

| O3-3 | Electrophysiologic changes after ‘pullback’ of the slim modiolar electrode - clinical impressions  
Philipp Mittmann  
*Unfallkrankenhaus, Berlin, Germany*
**O3-4**  **Intra-operative electrophysiological monitoring: Factors affecting ECAP and EABR measurements**
Wai Kong Lai  
*Sydney Cochlear Implant Centre, Royal Institute for Deaf and Blind Children, Sydney, Australia*

**O3-5**  **Experience with the Advanced Bionics ECochG system**
Raphael Koning  
*Advanced Bionics GmbH, Hanover, Germany*

**O3-6**  **Correlation of real time intraoperative electrocochleography with postoperative hearing preservation**
Shaza Saleh  
*King Abdullah Ear Specialist Center, Riyadh, Saudi Arabia*

**14:40-15:40  Paper 4**  
**CI Outcome: Bilateral Hearing**

**Moderators:**  
Hiroshi Ogawa,  
*Japan*  
Shujiro Minami,  
*Japan*

**O4-1**  **Bimodal hearing and bilateral cochlear implants; which is better for binaural hearing?**
Sung Wook Jeong  
*Department of Otolaryngology, College of Medicine, Dong-A University, Busan, Korea*

**O4-2**  **A prediction model for sequential cochlear implantation outcome**
Marcus Atlas  
*Ear Science Institute Australia, Subiaco, Australia*

**O4-3**  **Sensitive Period to Initiate Auditory Stimulation for the Second Ear in Sequential Bilateral CI**
Hong Ju Park  
*Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea*

**O4-4**  **Parent rated listening performance for children with bilateral implants versus normal hearing**
Karyn L Galvin  
*Department of Audiology & Speech Pathology, University of Melbourne, Melbourne, Australia*

**O4-5**  **Early auditory ability development in toddlers after bilateral simultaneous cochlear implantation**
Cuncun Ren  
*Department of Otolaryngology, Xijing Hospital, Xi’an, China*

**O4-6**  **First CI-induced maturation of rostral brainstem impairs 2nd CI outcomes in sequential bilateral CI**
Hiroshi Yamazaki  
*Department of Otolaryngology, Head and Neck Surgery, Osaka Red Cross Hospital, Osaka, Japan*

**15:40-16:40  Paper 5**  
**Diagnosis: Genetics**

**Moderators:**  
Tatsuo Matsunaga,  
*Japan*  
Yoshiyuki Kawashima,  
*Japan*

**O5-1**  **Genetic predisposition of mild to moderate hearing loss in Korean children**
Dongchul Cha  
*Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea*
November 27 (Wed)

**O5-2** Genetic Contribution to Pediatric mild Hearing Loss and Its Comprehensive Diagnostic Approach
Bong Jik Kim  
Department of Otolaryngology, College of Medicine, Chungnam National University, Daejeon, Korea

**O5-3** Analysis of mutations in the FOXI1 and KCNJ10 genes in infants with a single-allele SLC26A4 mutation
Lihui Huang  
Department of Otolaryngology and Head and Neck Surgery, Beijing Tongren Hospital, Beijing, China

**O5-4** Genotyping and audiological characteristics of infants with a single-allele SLC26A4 mutation
Xuelei Zhao  
Department of Otolaryngology and Head and Neck Surgery, Beijing Tongren Hospital, Beijing, China

**O5-5** A genetic and functional analysis of two Chinese families with Waardenburg syndrome
Wei Liu  
Department of Otolaryngology Head and Neck Surgery, Beijing Children's Hospital, Beijing, China

**O5-6** A chemically rescuable founder mutation in KCNQ4 in Korean families with progressive hearing loss
Jinsei Jung  
Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea

16:40-17:40 **Paper 6**  
**Surgery: Hearing Preservation**

Moderators: Hiroshi Hidaka, Japan  
Takeshi Fujita, Japan

**O6-1** The Concept of Individualized Cochlear Implantation
Thomas Lenarz  
Department of Otolaryngology, Hannover Medical School, Hannover, Germany

**O6-2** Evaluation of a midscalar electrode in terms of placement and cochlear structure preservation
Laure Arnold  
Advanced Bionics, Bron, France

**O6-3** Cochlear Implant Surgery With Deep Insertion Electrodes: Hearing Preservation Is Also Possible
Cristina Sierra  
Department of Otolaryngology, La Princesa Hospital, Madrid, Spain

**O6-4** Round window vs cochleostomy approach for Cochlear Implant. The ongoing debate: a literature review.
Tasfia Saief  
The Royal Victorian Eye and Ear Hospital, Melbourne, Australia

**O6-5** The Impact of intracochlear pressure changes on hearing preservation in cochlear implantation
Gunesh P Rajan  
Department of Otorhinolaryngology, Head & Neck Surgery, LUKS, Luzern, Switzerland

**O6-6** The effect of an underwater implant insertion on intracochlear forces during cochlear implantation
William Crohan  
University of Western Australia, Perth, Australia
17:40-18:40 **Paper 7**

**Basic Research**

**Moderators:** Masato Fujioka, Japan  
Katsuhisa Ikeda, Japan

**07-1** The Effect of Oleuropein against Cisplatin-Induced Ototoxicity by Inducing DNA-Damage Related Genes  
Yuksel Olgun  
*Dokuz Eylul University School of Medicine, Department of Otorhinolaryngology, Izmir, Turkey*

**07-2** Electrode coating DXM/PCL interferes with the polarization of macrophages and fibrosis after CI  
Hongzheng Zhang  
*Department of Otolaryngology Head & Neck Surgery, Zhujiang Hospital, Southern Medical University, Guangzhou, China*

**07-3** Therapeutic potential of the mitochondria-targeted antioxidant MitoQ in Idh2 deficiency  
Kyu-Yup Lee  
*Department of Otorhinolaryngology-Head and Neck Surgery, School of Medicine, Kyungpook National University, Daegu, Korea*

**07-4** Audiologic Change of Mesenchymal Stem Cell Transplantation in Acute Ototoxic Hearing Loss  
Jae Sang Han  
*Department of Otolaryngology Head & Neck Surgery, Seoul St. Mary’s Hospital, The Catholic University, Seoul, Korea*

**07-5** Bilirubin-induced central auditory neurotoxicity  
Haibo Shi  
*Department of ORL HNS, The Sixth People's Hospital Affiliated to Shanghai Jiaotong University, Shanghai, China*

**07-6** Autologous Cell Transplantation in Cochlear Implantation  
Athanasia Warnecke  
*Department of Otolaryngology, Head and Neck Surgery, Hannover Medical School, Hanover, Germany*
Poster 1

16:00-18:00

**CI Outcome 1**

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*Department of Otolaryngology-Head and Neck Surgery, Shanghai Ninth People Hospital, Shanghai, China* |
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Department of Otolaryngology Head and Neck Surgery, Shandong Provincial ENT Hospital, Jinan, China

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Department of Implantation otology, Madras ENT Research Foundation, Chennai, India

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Ng Teng Fong General Hospital, Singapore, Singapore

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Department of Otolaryngology, Head and Neck Surgery, Beijing TongRen Hospital, Capital Medical University, Ministry of Education of China, Beijing, China

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Research Centre for Psychiatry and Behavior Science, Shiraz University of Medical Sciences, Shiraz, Iran

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Department of Otolaryngology-Head & Neck Surgery, University of Toronto, Toronto, Canada

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MED-EL GmbH, Innsbruck, Austria

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The University of Melbourne, Melbourne, Australia

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Department of Otolaryngology, National Taiwan University Hospital Yunlin Branch, Yunlin, Taiwan

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Big Ears, KEM Hospital, Pune, India
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<td>Deena Wechsler-Kashi</td>
<td>Department of Communication Sciences and Disorders, Ono Academic College, Kiryat Ono, Israel</td>
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<td>Takeshi Nakamura</td>
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<td>Department of Otolaryngology, Head and Neck Surgery, Faculty of Medicine, University of Miyazaki, Miyazaki, Japan</td>
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<td>Jing Xie</td>
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<td>Seokhwan Lee</td>
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<td>ENT Department Bachir Mentouri Hospital, Algiers, Algeria</td>
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<td>Zirong Huo</td>
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<td>Mohamed Magued Mashaly</td>
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<td>Cochlear Implant Center, Faculty of Medicine, Cairo University, Cairo, Egypt</td>
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<td>Dr. Rajender parshad Govt. Medical College Kangra At Tanda HP India, Kangra, India</td>
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Ear Diseases Department of Federal Scientific and Clinical Center of Otorhinolaryngology (FSCCO) FMBA, Moscow, Russia

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Scientific and Clinical Center of Otorhinolaryngology, Moscow, Russia

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Bayya Ent & Cochlear Implant Centre, Guntur, India

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Department of Otolaryngology-Head & Neck Surgery, School of Medicine, Catholic University of Daegu, Daegu, Korea

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Pusan National University Hospital, Busan, Korea

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Proklamasi ENT HNS Institute, Jakarta, Indonesia

P2-43 How can we improve cochlear implantation accessibility for different patient groups?
Vladislaw Kuzovkov
Saint Petersburg Research Institute of Ear, Nose, Throat and Speech, Saint Petersburg, Russia

P2-44 Neural response telemetry (NRT) indicated intraoperative migration of cochlear implant electrode
Akihito Nakanishi
Department of Otolaryngology, Head & Neck Surgery University of Toyama, Toyama, Japan

P2-45 Intraoperative monitoring of residual hearing using MAESTRO EAEP tool
Pui Yin Chu
Sydney Cochlear Implant Centre, Royal Institute for Deaf and Blind Children, Sydney, Australia

P2-46 The effect on impedance in round window vs cochleostomy approach in cochlear implantation
Noor Dina Hashim
Department of Otorhinolaryngology Head Neck Surgery, University Kebangsaan Malaysia Medical Centre, Kuala Lumpur, Malaysia

P2-47 No tip Fold-over in cochlear implantation with FLEXSOFT electrode arrays
Florian Simon
Department of Otorhinolaryngology, Head and Neck Surgery, Ludwig Maximilians University, Munich, Germany

P2-48 Complications in Cochlear implantation - Indian experience
Shankar Medikeri
Medikeri Super Speciality ENT Center, Bangalore, India

P2-49 Intractable Cochlear Implantation in Children
Yongqing Zhou
Department of Otolaryngology and Head and Neck Surgery, Bethune International Peace Hospital, Shijiazhuang, China

P2-50 Perioperative management of cochlear implantation for children with severe hemophilia A
Songhua Tan
First Affiliated Hospital of Guangxi Medical University, Nanning, China
P2-51 Management and Follow up of Delayed Hematoma after CI: May be the Main Reason for Implant Rejection
Xia Gao
Affiliated Drum Tower Hospital of Nanjing University Medical School, Nanjing, China

P2-52 Experiences of one-stage or two-stage cochlear implantation in patients with chronic otitis media
Ping Ya Xu
Department of Otolaryngology-Head and Neck Surgery, the First Affiliated Hospital, Medical College, Zhejiang University, Hangzhou, China

P2-53 Management and Follow-up of Delayed Hematoma after Cochlear Implantation - may Cause Rejection
Xia Gao
Affiliated Drum Tower Hospital of Nanjing University Medical School, Nanjing, China

P2-54 A Retrospective Study of Cochlear Implantation in Patients with Secretory Otitis Media
Xiaoyun Qian
Department of Otolaryngology Head and Neck Surgery, Affiliated Drum Tower Hospital of Nanjing University, Nanjing, China

P2-55 Characteristics and pathogenesis of facial nerve stimulation after CI surgeries
Hong Ju Park
Department of Otolaryngology-Head and Neck Surgery, Asan Medical Center, University of Ulsan, Seoul, Korea

P2-56 Management of exposed cochlear implant using vacuum-assisted closure (VAC) therapy and flap closure
Christina Hui Lee Ng
Department of Otolaryngology and Head and Neck Surgery, Changi General Hospital, Singapore, Singapore

P2-57 Surgical Misplacement of Cochlear Implant Electrodes: Lessons Learned From 6250 Implantations
Jonathan H K Kong
Sydney Cochlear Implant Centre, Sydney, Australia

P2-58 Our experiences of cochlear implant complications in 259 cases
Masato Teraoka
Department of Otolaryngology, Head and Neck Surgery, Ehime University, Graduate School of Medicine, Toon, Japan

P2-59 2 cases of cochlear implant magnet dislocation caused by 1.5T MRI
Kento Koda
Department of Otolaryngology and Head and Neck Surgery, the University of Tokyo, Tokyo, Japan

P2-60 Cochlear Implantation in children with ventriculoperitoneal shunt
Yumi Ohta
Department of Otorhinolaryngology-Head and Neck Surgery, Osaka University Graduate School of Medicine, Suita, Japan

P2-61 Bilateral simultaneous cochlear implantation in a patient with both inner ear deteriorations
Akinobu Kakigi
Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, Kobe University, Kobe, Japan

P2-62 Simultaneous cochlear implantation and labyrinthectomy for advanced Meniere’s disease
Rebecca L Heywood
Department of Otolaryngology, Ng Teng Fong General Hospital, Singapore, Singapore
Simultaneous labyrinthectomy and cochlear implantation in patients with Meniere’s disease
Marta Perez Grau
Department of Otolaryngology, Hospital Universitari Germans Trias i Pujol, Badalona, Spain

Dysplasie of the hearing nerve and Cochlear Implant in children
Anke Lesinski-Schiedat
ENT Clinic & DHZ Medical University Hannover, Hannover, Germany

Bilateral cochlear implantation in infants at a very young age
Zhihua Zhang
Department of Otolaryngology, Head and Neck Surgery, Shanghai Ninth People Hospital, Affiliated to Shanghai Jiao tong University School of Medicine, Shanghai, China

Surgical Outcomes of Cochlear Implantation with Concurrent Subtotal Petrosectomy
Jong Bin Lee
Department of Otorhinolaryngology, Head and Neck Surgery, College of Medicine, Konyang University, Daejeon, Korea
P3-01 HDAC inhibitors protect cell death induced by loss of tricellular tight junction proteins  
Takuya Kakuki  
Department of Otolaryngology, Sapporo Medical University School of Medicine, Sapporo, Japan

P3-02 Macrophages and Lymphocytes in Human Cochleae and Endolymphatic Sac-an IHC and SIM Study  
Wei Liu  
Uppsala University, Uppsala, Sweden

P3-03 The effect of hyperexcitability-induced cell death modulated by miRNA let-7b in the auditory-brain  
Ken Hayashi  
Department of Otorhinolaryngology, Kamio Memorial Hospital, Tokyo, Japan

P3-04 Inhibitory activity of N-acetylcysteine on implant biofilms from MRSA and QRPA  
Sung Il Cho  
Department of Otolaryngology - Head and Neck Surgery, College of Medicine, Chosun University, Gwangju, Korea

P3-05 Mammalian cochlear hair cell imaging using optical coherence tomography: Feasibility study  
Soo-Keun Kong  
Department of Otolaryngology and Head and Neck Surgery, Pusan National University School of Medicine, Busan, Korea

P3-06 A 3D micro-scaffold cochlear electrode array for steroid elution  
Jeong Hun Jang  
Department of Otorhinolaryngology, School of Medicine, Ajou University, Suwon, Korea

P3-07 Intracochlear pressure changes during cochlear implant electrode insertion - a temporal bone study  
Gina Lauer  
Unfallkrankenhaus, Berlin, Germany

P3-08 Coupling efficiency and stability of a middle ear implant actuator  
Hannes Maier  
Cluster of Excellence Hearing4all, Hannover, Germany

P3-09 Predicting clinical performance of an Active Middle Ear Implant actuator  
Hannes Maier  
Cluster of Excellence Hearing4all, Hannover, Germany

P3-10 Feasibility of retrofacial approach to the sinus tympani in patients with aural atresia: a CT study  
Takashi Goto  
Department of Otorhinolaryngology-Head and Neck Surgery, Faculty of Medicine, University of Miyazaki, Miyazaki, Japan

P3-11 Classification of Temporal Bone Pneumatization on High-Resolution Computed Tomography  
Jia Hui Ng  
Department of Otolaryngology and Head and Neck Surgery, Singapore General Hospital, Singapore, Singapore
P3-12 | Inner ear malformation types captured in three dimensional
Anandhan Dhanasingh
MED-EL GmbH, Innsbruck, Austria

P3-13 | Diagnostic Value of 3D Segmentation in Understanding the Anatomy of Inner-ear Malformation Types
Saad H Alenzi
Department of Otolaryngology and Head and Neck Surgery, King Saud University, Riyadh, Saudi Arabia

P3-14 | Tinnitus in Adolescents
Anna Kam
Department of Special Education and Counselling, The Education University of Hong Kong, Hong Kong, China

P3-15 | Case Study - A Prescriptive Sound Amplification Method for Tinnitus Relief Using Hearing Aids
Anca Modan
Audiologos Hearing Care Center, Bucharest, Romania

P3-16 | The etiologies of and diagnostic approaches for pulsatile tinnitus in a large case series
Ye Ji Shim
Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University Hospital, Seoul, Korea

P3-17 | Influence of Tinnitus on Sound Localization Test
Joong Ho Ahn
Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

P3-18 | Assessment of audio-visual stimuli for a longitudinal CI-outcome study using fNIRS
Tamas David Fehervari
Shizuoka General Hospital, Shizuoka, Japan

P3-19 | Changes in CAEPs by Ipsilateral, Contralateral and Binaural Speech Stimulation in Normal Subjects
Jee Yeon Lee
Department of Otorhinolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

P3-20 | Effect of reverberation on working memory in auditory signal processing
Dong-Han Lee
Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University Hospital, Seoul, Korea

P3-21 | Perceptual organization of sequential stimuli in cochlear implant listeners
Arash Bayat
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

16:00-18:00 | Poster 4

Other Topics

P4-01 | Prognostic Factors for Hearing Outcomes in Children with Cleft Lip and Palate
Chao-Hui Yang
Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan

P4-02 | Cochlear Damage Caused by the Striking Noise of Titanium Head Golf Driver
Juyong Chung
Department of Otorhinolaryngology Head and Neck Surgery, College of Medicine, Wonkwang University, Iksan, Korea

P4-03 | Age-related Hearing Loss in the Korea National Health and Nutrition Examination Survey
Subin Kim
Department of Otorhinolaryngology, College of Medicine, The Catholic University of Korea, Seoul, Korea
**P4-04** Comparison between first steroid and retreatment group with sudden sensorineural hearing loss  
Jae Hwan Kwon  
Department of Otolaryngology and Head and Neck Surgery, Kosin University Hospital, Busan, Korea

**P4-05** Systemic review of tympanic membrane perforation after intratympanic steroid injection  
Young Ho Kim  
Department of Otorhinolaryngology, Seoul National University, Boramae Medical Center, Seoul, Korea

**P4-06** Developing international consensus on the use of cochlear implants for adults with hearing loss  
Gerard O'Donoghue  
Delphi Consensus Group on Cochlear Implantation in Adults, Nottingham, UK

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**Poster 5**

**Technology**

**P5-01** A drill-tunnel approach for cochlear implantation: On site manufacturing of individual drilling jigs  
Jan Stieghorst  
OtoJig GmbH, Hannover, Germany

**P5-02** A Data Driven Concept to Choose the Optimal CI Electrode Array  
Samuel John  
HoerSys GmbH, Hannover, Germany

**P5-03** Age as a Factor of Growth in Mastoid Thickness and Skull Width in CI using OTOPLAN  
Fida Almuhawas  
King Abdullah Ear Specialist Center, Riyadh, Saudi Arabia

**P5-05** The Age of Sophistication: Newer CI Technologies  
Kshitij Malik  
Dr Malik's Prime Clinic, Centre for Hearing, Tinnitus & Vertigo, Delhi, India

**P5-06** Evaluation of CT imaging quality of cochlear implants by SEMAR combined reconstruction technique  
Guanxia Xiong  
Otolaryngology Hospital of the First Affiliated Hospital of Sun Yat-sen University, GuangZhou, China

**P5-07** Our Experience of outcomes in recipients using direct streaming with Cochlear N 7 Speech Processor  
Meenakshi Wadhera  
Meenakshi Speech and Hearing Clinics Pvt Ltd, Delhi, India
November 29 (Fri)

Room 1 (Eminence)

8:00-9:15  **Symposium 10**

**Central Processing**

**Moderators:**
- Yasushi Naito,  *Japan*
- Sueng-Ha Oh,  *Korea*

**SY10-1**  **Keynote: Central Processing in Children with Cochlear Implants**

Blake Papsin  
*Department of Otolaryngology, University of Toronto, Toronto, Canada*

**SY10-2**  **Keynote: Different adaptation of central auditory pathway in prelingual and postlingual SSD**

Seung Ha Oh  
*Department of Otolaryngology and Head and Neck Surgery, Seoul National University, School of Medicine, Seoul, Korea*

**SY10-3**  **Cortical reorganization by auditory deprivation predicts CI performance in deaf adults**

Hong Ju Park  
*Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea*

9:15-10:15  **Keynote Lecture**

**Moderators:**
- Juichi Ito,  *Japan*
- Lee-Suk Kim,  *Korea*

**KL-1**  **Genetic etiology of sensorineural hearing loss in Slovakia**

Milan Profant  
*Department of Otorhinolaryngology - Head and Neck Surgery, Faculty of Medicine, Bratislava, Slovakia*

**KL-2**  **Novel and Future Auditory Device for Hearing Rehabilitation**

Thomas Lenarz  
*Department of Otolaryngology, Hannover Medical School, Hannover, Germany*

10:35-11:50  **Sponsored Symposium 2**  

**Sponsor:** MED-EL Medical Electronics

**Always a Step Ahead**

**Moderator:** Alexander Hofer,  *Austria*

12:00-12:50  **Luncheon Seminar 3**  

**Sponsor:** Nihon Cochlear Co., Ltd.

**Hearing Loss in Seniors: Early Intervention**

**Moderator:** Haruo Takahashi,  *Japan*

**LS3-1**  **Catherine Birman, Australia**

**LS3-2**  **Angel Ramos-Macias, Spain**
### Bilateral CI 1

**Moderators:**  Blake Papsin, *Canada*  
Yasushi Naito, *Japan*

| SY11-1 | **Keynote:** Bilateral cochlear implants in children and the developing auditory system  
Blake Papsin  
*Department of Otolaryngology, University of Toronto, Toronto, Canada*

| SY11-2 | **Sequential and simultaneous bilateral CI in children**  
Yasushi Naito  
*Department of Otolaryngology, Kobe City Medical Center General Hospital, Kobe, Japan*

| SY11-3 | **Subjective benefits of bilateral CI in Mandarin-speaking adolescent and adult**  
William Kuan Hua Chen  
*Auditory Implantation Center, Far Eastern Memorial Hospital, Taipei, Taiwan*

| SY11-4 | **Bilateral Cochlear Implantation in Chang-Gung Memorial Hospital, Taiwan- Report of 131 cases**  
Che-Ming Wu  
*Department of Otolaryngology, Chang-Gung Memorial Hospital, Chang-Gung Hospital, Taipei, Taiwan*

| SY11-5 | **Bimodal Fitting Versus Bilateral Cochlear Implants in Pediatric CI Recipients**  
Il Joon Moon  
*Department of Otorhinolaryngology Head and Neck Surgery, Samsung Medical Center, School of Medicine, Sungkyunkwan University, Seoul, Korea*
8:00-9:00  **Paper 8**

**Single Side Deafness**

**Moderators:**  Angel Ramos-Macias, Spain  
Masahiro Takahashi, Japan

| O8-1 | Single-Sided Deafness and Asymmetrical Hearing Loss: Cochlear Implant or Bone Conduction Implant?  
Sin Wai Lee  
*Department of Otorhinolaryngology and Head and Neck Surgery, Changi General Hospital, Singapore, Singapore*

| O8-2 | Long-term outcomes of CI in SSD  
Dayse Tavora-Vieira  
*Fiona Stanley Hospital, Perth, Australia*

| O8-3 | Speech perception and localization benefits for adults with a unilateral loss and a cochlear implant  
Rod Hollow  
*Royal Victorian Eye and Ear Hospital, Melbourne, Australia*

| O8-4 | Does hearing loss configuration affect cochlear implant recipient outcomes?  
Catherine M Sucher  
*Ear Science Institute Australia, Subiaco, Australia*

| O8-5 | Analysis of Bimodal Effect After Cochlear Implantation in Children with Asymmetric Hearing Loss  
Wenwen Guo  
*Department of Otolaryngology, Shandong ENT Hospital Affiliated to Shandong University, Jinan, China*

| O8-6 | Single-Sided Deafness and cochlear implantation in congenital and acquired hearing loss in children  
Angel Ramos-Macias  
*Las Palmas University, Las Palmas, Spain*

9:00-10:15  **Symposium 12**

**Intraoperative Monitoring in CI**

**Moderators:**  George Tavartkiladze, Russia  
Paul R Kileny, USA

| SY12-1 | Facial Nerve Monitor In Ear Surgery for Cholesteatoma and Cochlear Implant  
Chung Feng Hwang  
*Department of Otolaryngology and Head and Neck Surgery, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan*

| SY12-2 | The change of ESRT in CI operation  
Joshua KC Chen  
*Auditory Implant Center, Far Eastern Memorial Hospital, New Taipei, Taiwan*

| SY12-3 | How to improve residual hearing preservation rate. Analysis of risk factors  
Angel Ramos Macias  
*Las Palmas University, Las Palmas, Spain*
**Sponsored Symposium 2**

**Always a Step Ahead**

プログラム詳細：P59 参照
※日本語への同時通訳音声を聴講できます。

**Luncheon Seminar 4**

**Moderator:** Michihiko Sone, Japan

**Good-bye, Bone Conduction! The Time of Cartilage Conduction Has Come!**

Hiroshi Hosoi

Nara Medical University, Nara, Japan

**Paper 9**

**CI Outcome: Elderly**

**Moderators:** Sin Wai Lee, Singapore

Hajime Sano, Japan

**O9-1** Further Validation of a Hearing-Impaired Cognitive Screening Test for the Severely Hearing Impaired

Matthew G Crowson

Department of Otolaryngology, Sunnybrook Health Sciences Center/University of Toronto, Toronto, Canada

**O9-2** Pre-Implantation Cognitive Function is a Predictor of Post-Implantation Cochlear Implant Outcomes

Vincent Y.W. Lin

Sunnybrook Health Sciences Centre, Toronto, Canada

**O9-3** The speech perception and quality of life of the elderly patients with cochlear implantation

Ji-Hye Kim

Sorion ENT Clinic, Busan, Korea

**O9-4** Cochlear Implantation in the Elderly

Helena Maria Franco

Department of Otolaryngology, Mater Adult Hospital, Brisbane, Australia
13:50-14:50  **Education Program for Japanese 5**

司会：細井 裕司 公立大学法人奈良県立医科大学

EP5-1  人工内耳のマッピングと術後リハビリテーション ～コクレア編～
調訪 圭子
大阪大学大学院医学系研究科 耳鼻咽喉科・頭頸部外科学

EP5-2  マッピングと術後聴覚管理 AB編
熊谷 文愛
虎の門病院 耳鼻咽喉科・聴覚センター

14:50-15:50  **Education Program for Japanese 6**

司会：清水 猛史 滋賀医科大学耳鼻咽喉科学教室

EP6-1  人工内耳装用者の経験 小児での経験
山際 晶
島根大学医学部

EP6-2  人工内耳装用者の経験 機種変更と両耳装用による聞こえの変化
安岡 公美子
日野記念病院耳鼻咽喉科

16:10-17:10  **Education Program for Japanese 7**

司会：佐藤 宏昭 岩手医科大学耳鼻咽喉科・頭頸部外科

EP7-1  BilateralとBimodal
白井 杏湖
東京医科歯科大学耳鼻咽喉科・頭頸部外科学分野

EP7-2  2nd Implantの適応と成績
吉田 晴郎
国立病院機構長崎医療センター

17:10-18:10  **Education Program for Japanese 8**

司会：小林 一女 昭和大学医学部耳鼻咽喉科学講座

EP8-1  人工中VSBの適応と調整
土井 雄美
近畿大学医学部耳鼻咽喉科

EP8-2  重複障害児の対応
中川 尚志
九州大学大学院医学研究院耳鼻咽喉科学分野
8:00-9:00  **Paper 10**

Winter: Radiology

**Moderators:** Harukazu Hiraumi, Japan  
Tadao Yoshida, Japan

| O10-1 | Is CT necessary for imaging pediatric congenital sensorineural hearing loss?  
Jafri Kuthubutheen  
*Department of Otolaryngology Head and Neck Surgery, Perth, Australia* |

| O10-2 | MRI after Cochlearimplantation: First results and reduction of artifacts in a 3 T MRI  
Gina Lauer  
*Unfallkrankenhaus Berlin, Berlin, Germany* |

| O10-3 | Different Tools for Accurate Estimation of the Cochlear Duct Length  
Tawfiq Abdu Khurayzi  
*King Abdullah Ear Specialist Center, King Saud University, Riyadh, Saudi Arabia* |

| O10-4 | The Presence of Cochlear Nerve Deficit Region: The Influence on the CI Performance  
Yehree Kim  
*Department of Otorhinolaryngology-Head and Neck Surgery, Asan Medical Center, University of Ulsan College, Seoul, Korea* |

| O10-5 | Using Otoplan to determine cochlear duct length: influencing factors and clinic value  
Huan Jia  
*Department of ENT, 9th People’s Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China* |

| O10-6 | Cerebral Magnetic Resonance Imaging Abnormalities in Pediatric Cochlear Implant Recipients  
Mohamed Magued Mashaly  
*Cochlear Implant Center, Faculty of Medicine, Cairo University, Cairo, Egypt* |

9:00-10:15  **Symposium 13**

**Bilateral CI 2**

**Moderators:** Robert Briggs, Australia  
Tetsuo Ikezono, Japan

| SY13-1 | Keynote: Bilateral implants under one year of age: Speech Perception and Language outcomes  
Robert Briggs  
*The Cochlear Implant Clinic, Royal Victorian Eye and Ear Hospital, East Melbourne, Australia* |

| SY13-2 | Simultaneous vs. Sequential Bilateral Cochlear Implantation in Children  
Hidekane Yoshimura  
*Department of Otorhinolaryngology, Shinshu University School of Medicine, Matsumoto, Japan* |

| SY13-3 | Outcomes of children with cochlear implants: findings from the LOCHI study  
Teresa Y.C. Ching  
*National Acoustic Laboratories, Sydney, Australia* |

| SY13-4 | Paediatric Cochlear Implantation in the UK  
Patrick Axon  
*University of Cambridge Hospitals NHS Foundation Trust, Cambridge, UK* |
**Symposium 14**

**Hearing Preservation 2**

**Moderators:**
- Gunesh P Rajan, *Switzerland, Australia*
- Shingo Murakami, *Japan*

**SY14-1** Keynote: Rationale for Hearing Preservation in Cochlear Implant

**Bernard Fraysse**

*ORL Group Rive Gauche, Toulouse, France*

**SY14-2** Development and application of underwater technique for cochlear implantation

**Daisuke Yamauchi**

*Department of Otolaryngology Head and Neck Surgery Tohoku University Graduate School of Medicine, Sendai, Japan*

**SY14-3** Looking closer at Structure Preservation Surgery in Cochlear Implantation

**Gunesh Rajan**

*Department of Otorhinolaryngology, Head & Neck Surgery, LUKS, Luzern, Switzerland*

**SY14-4** Deficit of long-term memory traces for words in children with cochlear implants

**Jingwu Sun**

*Department of Otolaryngology and Head and Neck Surgery, The First Affiliated Hospital of USTC, Hefei, China*

**SY14-5** Comparing the use of lateral and mid-scala electrode array types

**Patrick Axon**

*University of Cambridge Hospitals NHS Foundation Trust, Cambridge, UK*

**Symposium 15**

**Middle Ear Implant/BC Implant 1**

**Moderators:**
- Sumit Agrawal, *Canada*
- Wolf-Dieter Baumgartner, *Austria*

**SY15-1** Comparison of outcomes between VSB and HA

**Satoshi Iwasaki**

*Department of Otolaryngology, International University of Health and Welfare Mita Hospital, Tokyo, Japan*

**SY15-2** Replacement of the Rion device with VSB in an only hearing ear: Role of Baha as a backup device

**Tetsuya Tono**

*University of Miyazaki, Miyazaki, Japan*

**SY15-3** Bone conduction implant surgery

**Wolf-Dieter Baumgartner**

*AKH Vienna, Vienna, Austria*

**SY15-4** Middle Fossa BONEBRIDGE Implantation: Long term surgical and audiologic results

**Sumit Agrawal**

*Department of Otolaryngology - Head & Neck Surgery, Western University, London, Canada*

**SY15-5** Tips and Caveats in Implantation of the VSB

**Shin-ichi Kanemaru**

*Department of Otolaryngology-Head and Neck Surgery, Medical Research Institute, Kitano Hospital, Osaka, Japan / The Foundation for Biomedical Research and Innovation, Kobe, Japan*

**SY15-6** Cochlear BAHA in the management of children with microtia and external auditory canal atresia

**Christopher G Que Hee**

*Department of Otolaryngology, Head and Neck Surgery, Queensland Children's Hospital, Brisbane, Australia*
To evaluate the validation and precision of applying Mixed Reality technology in BAHA Attract implant surgery
Zhi-Qiang Gao
Department of Otolaryngology, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

16:35-18:05 Symposium 16
Hearing Preservation 3

Moderators: Akira Ishiyama, USA
Olivier Sterkers, France

SY16-1 Keynote: Histopathological evaluation of electrode insertion dynamics on hearing preservation
Akira Ishiyama
Department of Otolaryngology and Head and Neck Surgery, UCLA School of Medicine, Los Angeles, USA

SY16-2 Cochlear Implantation in Congenital Inner Ear Malformations
Yongxin Li
Department of Otorhinolaryngology, Beijing Tongren Hospital, CMU, Beijing, China

SY16-3 Atraumatic cochlear electrode array insertion guided by robot-navigated assistance: From bench to OR
Olivier Sterkers
Sorbonne Universite, Inserm, Unite Rehabilitation Chirurgicale Mini-invasive et Robotisee de l’audition, Paris, France

SY16-4 Surgical tips for residual hearing preservation of CI: step by step
Yun-Hoon Choung
Department of Otolaryngology, Ajou University School of Medicine, Suwon, Korea

SY16-5 Effect of Round Window Opening Size on Residual Hearing Preservation in Cochlear Implantation
Hung-Pin Wu
Department of Otolaryngology H&N Surgery, Taichung Tzuchi Hospital, Buddhist Tzuchi Medical Foundation, Taichung, Taiwan

SY16-6 Assessment of Factors Influencing Residual Hearing Preservation in Cochlear Implantation
Hidekane Yoshimura
Department of Otorhinolaryngology, Shinshu University School of Medicine, Matsumoto, Japan
Room 4 (Hana D)

8:00-9:00  **Paper 11**

Audiological Examination

Moderators:  Yoshihiro Noguchi,  Japan  
            Rebecca Heywood,  Singapore

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<tr>
<th>O11-1</th>
<th>The effect of pulse polarity on neural response of auditory nerve in children with gene mutations</th>
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<tr>
<td>Jianfen Luo</td>
<td>Department of Otolaryngology Head and Neck Surgery, Shandong Provincial ENT Hospital, Jinan, China</td>
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<th>O11-2</th>
<th>Auditory Brainstem Response vs Auditory Steady-State Response for the Evaluation of Adult Deafness</th>
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<tr>
<td>Yong-Hwi An</td>
<td>Department of Otorhinolaryngology-Head and Neck Surgery, Eulji University, Eulji Medical Center, Seoul, Korea</td>
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<th>O11-3</th>
<th>Early Prelingual Auditory Development in Infants and Toddlers with Unilateral Hearing Loss</th>
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<tr>
<td>Fengling Yang</td>
<td>Department of Otorhinolaryngology Head &amp; Neck Surgery, West China Hospital, Sichuan University, Chengdu, China</td>
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<th>O11-4</th>
<th>Development of Urdu Phonetically Balanced Paragraph for Diagnosis of Hearing and Speech Disorders</th>
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<tr>
<td>Soabah Wasim</td>
<td>Speech and Language Pathology Department, FRAHS, Riphah International University, Islamabad, Pakistan</td>
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<th>O11-5</th>
<th>Loudness Discomfort Level Test for Hyperacusis: Test-Retest Reliability and its Clinical Value</th>
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<tr>
<td>Jaclyn Leigh E Vidal</td>
<td>Department of Otolaryngology-HNS, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea</td>
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<th>O11-6</th>
<th>Utility of the digits in noise test in a multilingual Asian population: a population based study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandra R Bellekom</td>
<td>Ear Science Institute Australia &amp; Ear Sciences Centre, Medical School, The University of Western Australia, Perth, Australia</td>
</tr>
</tbody>
</table>

9:00-10:15  **Symposium 17**

Electrode Positioning

Moderators:  Johan H.M. Frijns,  The Netherlands  
            Satoshi Iwasaki,  Japan

<table>
<thead>
<tr>
<th>SY17-1</th>
<th>The angle of insertion according to the different surgical access in cochlear implantation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jong Woo Chung</td>
<td>Department of ORL-HNS, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>SY17-2</th>
<th>Electrode Choice In Inner Ear Malformations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Levent Sennaroglu</td>
<td>Department of Otolaryngology, Hacettepe University Medical Faculty, Ankara, Turkey</td>
</tr>
</tbody>
</table>
**SY17-3** Insertion Angles, Frequency Allocations, and Place Pitch with the Flex28 Medel electrode  
Sebastien Schmerber  
Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Grenoble, Saint-Martin-d'Heres, France

**SY17-4** Automated Algorithm for Intracochlear Array Position and Translocation Detection  
Johan H.M. Frijns  
Leiden University Medical Hospital, Leiden, The Netherlands

**SY17-5** The Electro-Neural Interface  
Blake Papsin  
Department of Otolaryngology, University of Toronto, Toronto, Canada

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**13:00-14:30 Symposium 18**

**Management of Difficult Case 1**

**Moderators:** Vladislav Kuzovkov, Russia  
Byung-Yoon Choi, Korea

**SY18-1** How to deal with hearing loss like auditory neuropathy  
Jie Zhang  
Department of Otolaryngology Head and Neck Beijing Children's Hospital, Capital Medical University, Beijing, China

**SY18-2** Auditory skills and surgical challenges regarding cochlear implantation in CHARGE Syndrome  
Luis Lassaletta  
La Paz University Hospital, Madrid, Spain

**SY18-3** Prediction of function of cochlear nerve in cochlear implant users using supervised machine learning  
Lei Xu  
Department of Otolaryngology Head and Neck Surgery, Shandong ENT Hospital affiliated to Shandong University, Jinan, China

**SY18-4** Cochlear Implant Outcomes in patients with Cochlear Nerve Aplasia and Hypoplasia  
Dingjun Zha  
Department of Otolaryngology and Head and Neck Surgery, XiJING Hospital, Xian, Shanxi, China

**SY18-5** Cochlear implants in auditory neuropathy spectrum disorder: Molecular etiology and surgical outcome  
Byung Yoon Choi  
Department of Ophthalmology, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea

**SY18-6** Autoinflammatory inner ear disorder: Cochlear implantation candidacy and surgical outcomes  
Byung Yoon Choi  
Department of Otolaryngology and Head and Neck Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seongnam, Korea

**SY18-7** Managing Comorbidities in Cochlear Implantation  
Hetal Kishore Marfatia  
Department of ENT and Head Neck Surgery, SETH GS Medical College and KEM Hospital, Mumbai, India
14:45-16:15  Symposium 19

Middle Ear Implant/BC Implant 2

Moderators: Naohito Hato, Japan
Marco Caversaccio, Switzerland

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<thead>
<tr>
<th>SY19-1</th>
<th>MRI and hearing implants</th>
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<td>Bielefeld University, Bielefeld, Germany</td>
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<tr>
<th>SY19-2</th>
<th>Performance of Implanted Bone Conducted Hearing Devices in Bilateral Congenital Microtia</th>
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<tbody>
<tr>
<td>Tian-Yu Zhang</td>
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<tr>
<td>Eye &amp; ENT Hospital of Fudan University, Shanghai, China</td>
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<tr>
<th>SY19-3</th>
<th>Surgical Experience of Combined intervention EAC reconstruction and Baha® Attract Implantation</th>
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<tbody>
<tr>
<td>Li Yun</td>
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<tr>
<td>Hearing Center, Ninth People’s Hospital, Shanghai Jiaotong University School of Medicine, Ear Institute, Shanghai, China</td>
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<tr>
<th>SY19-4</th>
<th>Functional rehabilitation in congenital aural atresia</th>
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<tbody>
<tr>
<td>John Martin Hempel</td>
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<tr>
<td>Ludwig Maximilians University Munich, Department Otorhinolaryngology, Head and Neck Surgery, Munich, Germany</td>
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<tr>
<th>SY19-5</th>
<th>Bonebridge Surgery in Young Children</th>
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<tbody>
<tr>
<td>Jafri Kuthubutheen</td>
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<tr>
<td>Department of Otolaryngology Head and Neck Surgery, Perth Childrens Hospital, Perth, Australia</td>
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<tr>
<th>SY19-6</th>
<th>Clinical Benefit of the Bonebridge in SSD: Multi-Center Study Results after 24-Month Follow-Up</th>
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<tbody>
<tr>
<td>Marco Caversaccio</td>
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<tr>
<td>Department of ORL, Head and Neck Surgery, University Hospital Bern, Bern, Switzerland</td>
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<tr>
<th>SY19-7</th>
<th>Surgical Considerations for Implantation of a New OSI system in Children</th>
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<tbody>
<tr>
<td>Blake Papsin</td>
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<tr>
<td>Department of Otolaryngology, University of Toronto, Toronto, Canada</td>
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16:35-18:05  Symposium 20

Management of Difficult Case 2

Moderators: Akinobu Kakigi, Japan
Wong-Kein Christopher Low, Singapore

<table>
<thead>
<tr>
<th>SY20-1</th>
<th>Long term outcomes of Cochlear Implantation in Ten Irradiated ears of Nasopharyngeal Carcinoma</th>
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<tbody>
<tr>
<td>Peina Wu</td>
<td></td>
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<tr>
<td>Guangdong Provincial People’s Hospital, Guangdong Academy of Medical Sciences, Guangzhou, China</td>
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<tr>
<th>SY20-2</th>
<th>Cochlear implantation in post-irradiated ears: A case-control comparative study</th>
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<tbody>
<tr>
<td>Kammy Ngan-kam Yeung</td>
<td></td>
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<tr>
<td>Department of Otolaryngology, Head and Neck Surgery, The Chinese University of Hong Kong, Hong Kong, China</td>
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<thead>
<tr>
<th>SY20-3</th>
<th>Cochlear Implantation in Post-Irradiation Nasopharyngeal Carcinoma Patients</th>
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<tbody>
<tr>
<td>Vanessa Chan</td>
<td></td>
</tr>
<tr>
<td>Audiology Centre, Department of ENT, Queen Elizabeth Hospital, Hong Kong, China</td>
<td></td>
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</tbody>
</table>
SY20-4  Challenges in managing hearing loss children with inner ear anomalies  
Il Joon Moon  
Department of Otorhinolaryngology Head and Neck Surgery, Samsung Medical Center, School of Medicine, Sungkyunkwan University, Seoul, Korea

SY20-5  Cochlear Implantation after Surgical Removal of Intralabyrinthine Schwannomas  
Stefan K Plontke  
Department of Otorhinolaryngology, Head and Neck Surgery; Martin Luther University Halle-Wittenberg, Halle, Germany

SY20-6  Endoscopic Partial Cochlectomy for Intracochlear Schwannoma with Simultaneous Cochlear Implantation  
Andrew K Ma  
Sydney Endoscopic Ear Surgery Research Group, Sydney, Australia

SY20-7  Cochlear Implantation in Cogan's Syndrome  
Wong-Kein Christopher Low  
Novena ENT-Head Neck Surgery Specialist Centre, Mount Elizabeth Novena Hospital, Singapore, Singapore
8:00-9:00  **Paper 12**

**CI Outcome: Bimodal Hearing**

**Moderators:** Yumi Ohta, *Japan*
Kotaro Ishikawa, *Japan*

**O12-1** Acceptable noise level in cochlear implants and bimodal hearing users  
Reza Sadeghi  
*Loghman CI Center, Tehran, Iran*

**O12-2** Advantage of bimodal fitting in pitch and prosody perception for adult cochlear implant users  
Akiko Sugaya  
*Okayama University Hospital, Okayama, Japan*

**O12-3** Influence of Bimodal Technologies on Speech Perception in Noise in Cochlear Implant Users  
Laure Arnold  
*Advanced Bionics, Bron, France*

**O12-4** Optimizing localization performance in bimodal listeners  
Raphael Koning  
*Advanced Bionics GmbH, Hanover, Germany*

**O12-5** Is speech-recognition-in-noise degraded due to non-standard microphone position in young CI users?  
Xinyue Qiu  
*Department of Special Education and Counselling, The Education University of Hong Kong, Hong Kong, China*

**O12-6** Evaluation of a Wireless CROS Device with the Naida CI Q90 Processor  
Rolf Battmer  
*HTZ-CI Rehabilitation Center Potsdam, Potsdam, Germany*

9:00-10:15  **Symposium 21**

**CI in Emerging Area/Countries**

**Moderators:** Narayanan Prepageran, *Malaysia*  
Enis Alpine Guneri, *Turkey*

**SY21-1** CI in Emerging Countries (Malaysia)  
Bee See Goh  
*Department of Otorhinolaryngology Head & Neck Surgery, Universiti Kebangsaan Malaysia Medical Centre, Kuala Lumpur, Malaysia*

**SY21-2** Safety of One Day Surgery for Cochlear Implant Surgery with BPJS Service  
Harim Priyono  
*ORL-HNS, Cipto Mangunkusumo Hospital, Faculty of Medicine of Universitas Indonesia, Jakarta, Indonesia*

**SY21-3** Cochlear Implantation Program in Sri Lanka  
Aldora Dksn Yasawardene  
*Lady Ridgeway Hospital for Children, Colombo, Sri Lanka*

**SY21-4** Cochlear Implants in postlingual adults: Why are we still not there?  
Nishita Dinesh Mohandas  
*P D Hinduja National Hospital & MRC, Mumbai, India*
SY21-5  Establishing Cochlear Implant in Developing Countries in a humanitarian Role
Narayanan Prepageran
Department of Otolaryngology Head & Neck Surgery, University Malaya, Kuala Lumpur, Malaysia

13:00-13:50 Symposium 22
Tinnitus

Moderators: Yoshihiro Noguchi, Japan
Paul van de Heyning, Belgium

SY22-1  Tinnitus - Taming the “beast”
Colleen Psarros
Hearing Implants Australia, Sydney, Australia

SY22-2  Cochlear Implantation (CI) for tinnitus and hearing in single sided deafness: 15 years follow-up
Paul van de Heyning
Department Otorhinolaryngology and Head and Neck Surgery, Antwerp University Hospital Antwerp, University of Antwerp, Antwerp, Belgium

SY22-3  Clinical practice guideline for tinnitus in Japan and tinnitus suppression after cochlear implant
Sho Kanzaki
Department of Otolaryngology and Head and Neck Surgery, School of Medicine, Keio University, Tokyo, Japan

SY22-4  Long-term Effect of Cochlear Implantation on Tinnitus
Qian Wang
Auditory Implantation Center, Department of Otolaryngology & Head and Neck Surgery, Beijing Key Laboratory of Hearing Impairment Prevention and Treatment, Key Laboratory of Hearing Impairment Science, Ministry of Education, Chinese PLA General Hospital, Beijing, China

13:50-15:05 Symposium 23
Management of Difficult Case 3

Moderators: Kazunori Nishizaki, Japan
Martin Kompis, Switzerland

SY23-1  Image assisted cochlear implantation, using the medical image processing system
Kazunori Nishizaki
Department of Otolaryngology-Head and Neck Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science, Okayama, Japan

SY23-2  Musical Ear Syndrome, Cochlear Implantation and Cochlear Explantation
Martin Kompis
University of Bern, Bern, Switzerland

SY23-3  Difficult cases and Controversial Cases
Gong Shu-Sheng
Beijing Friendship Hospital, Beijing, China

SY23-4  Difficult cases management
Zhao-Min Fan
Shandong Provincial ENT Hospital, Shandong, China

SY23-5  Surgical Approach in Rotated Cochlea
Bayya Srinivasa rao
Bayya ENT & Cochlear Implant Hospital, Guntur, India
**SY23-6**  Rounded insertion in malformed cochlea  
Joshua KC Chen  
*Far Eastern Memorial Hospital, New Taipei, Taiwan*

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**15:15-16:15 Symposium 24**  
**Remote Mapping, Rehabilitation and related Science**

**Moderators:**  
Catherine Birman,  
*Australia*  
Masae Shiroma,  
*Japan*

**SY24-1**  
**Remote Mapping for Clinical Efficiency and Patient Satisfaction**  
Kenichi Takano  
*Sapporo Medical University, Sapporo, Japan*

**SY24-2**  
**Revolutionising CI Fitting Using Wireless Technology**  
Asha Agarwal  
*Asha Speech and Hearing Clinic, New Delhi, India*

**SY24-3**  
**Electrically evoked potentials of the auditory periphery and auditory cortex in CI patients**  
George A. Tavartkiladze  
*National Research Centre for Audiology and Hearing Rehabilitation, Moscow, Russian*

**SY24-4**  
**Remote mapping and rehabilitation: Sydney Cochlear Implant Centre experience**  
Catherine Birman  
*Sydney Cochlear Implant Centre, Sydney, Australia*

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**16:35-18:05 Symposium 25**  
**Auditory Brain Stem Implant**

**Moderators:**  
Kozo Kumakawa,  
*Japan*  
Mohan Kameswaran,  
*India*

**SY25-1**  
**Pediatric ABI**  
Mohan Kameswaran  
*Madras ENT Research Foundation (P) Ltd, Chennai, India*

**SY25-2**  
**Outcome with Auditory Brainstem Implant in Severe Anomaly of the Cochlea/Cochleovestibular Nerves**  
Ameet Kishore  
*Indraprastha Apollo Hospital, New Delhi, India*

**SY25-3**  
**Auditory Brainstem Implantation in Chinese Language Speakers**  
Michael Chi Fai Tong  
*Department of Otorhinolaryngology, Head and Neck Surgery and Institute of Human Communicative Research, The Chinese University of Hong Kong, Hong Kong SAR, China*

**SY25-4**  
**Binaural benefit after sequential bilateral auditory brainstem implantation**  
Henryk Skarzynski  
*World Hearing Center, Institute of Physiology and Pathology of Hearing, Kajetany/Warsaw, Poland*

**SY25-5**  
**Measuring Local Field Potentials in Patients with Auditory Brainstem Implants**  
Lutz Gaertner  
*Department of Otolaryngology, Hannover Medical School, Hannover, Germany*

**SY25-6**  
**Clinical Experience in Auditory Brainstem Implantation in Malaysia**  
Ing Ping Tang  
*Department of Otolaryngology, Faculty of Medicine & Health Sciences, University Malaysia Sarawak, Kuching, Malaysia*
**Poster 6**

### CI Outcome 2

| P6-01 | **Suprameatal cochlear implantation in a patient with CHARGE syndrome**  
Shunsuke Kondo  
*Department of Otolaryngology and Head Neck Surgery, University of the Ryukyus, Okinawa, Japan* |
|---|---|
| P6-02 | **Cochlear implant outcomes in children with Cornelia de Lange syndrome**  
Myung Jin Lee  
*Department of Otolaryngology and Head and Neck Surgery, Kyung Pook National University Hospital, Daegu, Korea* |
| P6-03 | **Cochlear implantation outcomes in Children with Multiple Disabilities**  
Tamer A Mesallam  
*King Abdullah Ear Specialist Center, Riyadh, Saudi Arabia* |
| P6-04 | **Review of outcomes of children with designated additional needs receiving cochlear implantation**  
Catherine Rawes  
*Yorkshire Auditory Implant Service, Bradford, UK* |
| P6-05 | **Cochlear implantation in congenital rubella syndrome**  
Devira Zahara  
*Faculty of Medicine University of North Sumatera, Medan, Indonesia* |
| P6-06 | **Cochlear otosclerosis with post-lingual deafness and severe visual impairment: A Surgical Challenge**  
Sukhmani Grewal  
*Department of Otolaryngology, Holy Family Hospital and Medical Research Centre, Mumbai, India* |
| P6-07 | **A study to explore the correlation between family and social support and rehabilitation after CI**  
Ao Li  
*Department of Otolaryngology and Head and Neck Surgery, Nanjing Drum Tower Hospital, Nanjing, China* |
| P6-08 | **Assessment of verbal IQ in children with severe or profound hearing loss who received AVT in Tokyo**  
Shujiro Minami  
*Department of Otolaryngology, National Hospital Organization Tokyo Medical Center, Tokyo, Japan* |
| P6-09 | **Mother-Based Habilitation: Efficacy on Communication Skills of Deaf Infants**  
Fatemeh Nikkhoo  
*Department of Psychology and Education of Exceptional Children, Allameh Tabataba’i University, Tehran, Iran* |
| P6-10 | **Effect of auditory memory training on speech and language development in cochlear implanted children**  
Yueb Chen  
*Department of Otolaryngology, Sun Yat-sen Memorial Hospital, Sun Yat-sen University, Guangzhou, China* |
| P6-11 | **Analysis on the Relationship between Effect of Cochlear Implantation and Genotype in ANSD**  
Jingyuan Chen  
*Department of Otolaryngology-Head&Neck Surgery Beijing Tongren Hospital, Capital Medical University, Beijing, China* |
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<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tr>
<td>P6-13</td>
<td>How to deal with hearing loss like auditory neuropathy</td>
<td>Jie Zhang</td>
<td>Department of Otolaryngology Head and Neck Beijing Children's Hospital, Capital Medical University, Beijing, China</td>
</tr>
<tr>
<td>P6-14</td>
<td>Cochlear Implantation in patients with CDH23 mutations</td>
<td>Aki Sakata</td>
<td>Kanto Central Hospital, Tokyo, Japan</td>
</tr>
<tr>
<td>P6-15</td>
<td>microRNA Profiling in the Human Inner Ear Perilymph of Cochlear Implant Patients</td>
<td>Hinrich Staecker</td>
<td>University of Kansas Health System, Kansas City, USA</td>
</tr>
<tr>
<td>P6-16</td>
<td>Association between genotype and the extent of hearing impairment in patients with GJB2 mutations</td>
<td>Misaki Sekiguchi</td>
<td>Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan</td>
</tr>
<tr>
<td>P6-17</td>
<td>Cochlear implantation in patients with mitochondrial sensorineural hearing loss</td>
<td>Sachie Kawaguchi</td>
<td>Department of Otolaryngology, Yokohama Asahi Chuo General Hospital, Yokohama, Japan</td>
</tr>
<tr>
<td>P6-18</td>
<td>Long-term results of cochlear implantation for hearing loss with mitochondrial gene mutations</td>
<td>Kai Kanemoto</td>
<td>Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan</td>
</tr>
<tr>
<td>P6-19</td>
<td>Does Waardenburg syndrome interfere with cochlear implant rehabilitation?</td>
<td>Zahra Ajalloueyan</td>
<td>Baqiyatallah Medical University ENT Department, Tehran, Iran</td>
</tr>
<tr>
<td>P6-20</td>
<td>12 months post operation results for speech perception after CI</td>
<td>Kazem Zarei</td>
<td>Fars CI Center, Shiraz, Iran</td>
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<tr>
<td>P6-21</td>
<td>Bimodal fitting vs. bilateral implantation: A Longitudinal Evaluation</td>
<td>Yi-ping Chang</td>
<td>Speech and Hearing Science Research Institute, Children's Hearing Foundation, Taipei, Taiwan</td>
</tr>
<tr>
<td>P6-22</td>
<td>Comprehensive and expressive vocabulary ability in children with cochlear implants</td>
<td>Cuncun Ren</td>
<td>Department of Otolaryngology, Xijing Hospital, Xi an, China</td>
</tr>
<tr>
<td>P6-23</td>
<td>Overview of 5-year Follow-up Outcomes in Cochlear-Implanted Patients of west of Iran</td>
<td>Elnaz Shariatpanahi</td>
<td>Hamadan University of Medical Sciences, Besat Cochlear Implant Center, Hamadan, Iran</td>
</tr>
<tr>
<td>P6-24</td>
<td>The employment effect of cochlear implantation in severely to profound deaf adults</td>
<td>Christopher Raine</td>
<td>Yorkshire Auditory Implant Service, Bradford, UK</td>
</tr>
<tr>
<td>P6-25</td>
<td>Long-term change in the speech perception in pediatric cochlear implants and the effect of the age</td>
<td>Jiwon Seo</td>
<td>Department of Otorhinolaryngology-Head and Neck Surgery, Samsung Changwon Hospital, Changwon, Korea</td>
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<td>P6-26</td>
<td>Health Related Quality of Life improvement after cochlear implantation</td>
<td>Anita Obrycka</td>
<td>World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw, Poland</td>
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</tbody>
</table>
| P6-27 | **Literacy outcomes for adolescents who received cochlear implants before two years**  
Robert SC Cowan  
*The HEARing CRC, Carlton, Australia* |
| P6-28 | **Hearing, speech and learning ability of children with cochlear implants in mainstream primary school**  
Dingjun Zha  
*Department of Otolaryngology, Xijing Hospital, Xi’an, China* |
| P6-29 | **Tone perception in Mandarin-speaking children with cochlear implants**  
Gang Li  
*Department of Otorhinolaryngology Head & Neck Surgery, West China Hospital, Sichuan University, Chengdu, China* |
| P6-30 | **Speech intelligibility outcome of 5-year-old children with severe to profound hearing loss**  
Vicky W Zhang  
*National Acoustic Laboratories, Sydney, Australia* |
| P6-31 | **Slim, Modiolar Cochlear Implant Electrode: Scalar localization and Speech Perception Outcome**  
Chanan Shaul  
*Royal Victorian Eye and Ear Hospital, Melbourne, Australia* |
| P6-32 | **Auditory Performance and Language Development in Prelingual Deaf Children after CI**  
Hung-Ching Lin  
*Department of Otolaryngology and Head and Neck Surgery, Mackay Memorial Hospital, Taipei, Taiwan* |
| P6-33 | **Cochlear implantation in children**  
Sanja Spiric  
*University Clinic Center RS ENT Clinic, Banja Luka, Bosnia and Herzegovina* |
| P6-34 | **Can CI outcomes in patients with cochlear nerve deficiency be predicted by imaging findings?**  
Li-Hui Tseng  
*Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan* |
| P6-35 | **The Assessment of Speech Perception for Children with Cochlear Implants**  
Jingyi Jeng  
*National Kaohsiung Normal University, Kaohsiung, Taiwan* |
| P6-36 | **Long Term Results of Cochlear Implantation in Patients with Common Cavity Malformation**  
Natalia Liau  
*Department of Otolaryngology and Head and Neck Surgery, Tongren Hospital, Capital Medical University, Beijing, China* |
| P6-37 | **Outcome predication on CI patients with CND based on intra-op ECAP and post-op CAEP results**  
Fang-Li Huang  
*Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan* |
| P6-38 | **Comparison of stimulating current levels between straight and perimodiolar electrodes**  
Hui-Yu Lee  
*Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan* |
| P6-39 | **Intelligibility of naturally produced and synthesized Mandarin speech by CI listeners**  
Ying Shi  
*Department of Otolaryngology, Head and Neck Surgery, Beijing TongRen Hospital, Capital Medical University, Beijing, China* |
| P6-40 | Early auditory and verbal development in Mandarin children with unilateral and bilateral CIs  
Haihong Liu  
*Beijing Children's Hospital, Capital Medical University, Beijing, China* |
| P6-41 | Withdrawn |
| P6-42 | Long-term Speech Perception and Language Skills in Mandarin-speaking Children with Cochlear Implants  
Xing Lu  
*Department of Otology, The First Affiliated Hospital, Zhengzhou University, Zhengzhou, China* |
| P6-43 | Establishment of the Quality of Life Questionnaire for Mandarin Children with Cochlear Implants  
Haihong Liu  
*Beijing Children's Hospital, Capital Medical University, Beijing, China* |
| P6-44 | Nasal Resonance Characteristics in Mandarin-Speaking Children with Cochlear Implants  
Yajing Wang  
*Department of Otolaryngology and Head and Neck Surgery, Sun Yat-sen Memorial Hospital of Sun Yat-sen University, Guangzhou, China* |
| P6-45 | Lexical-tone production in prelingually deafened mandarin-speaking children with cochlear implants  
Yun Li  
*Hearing Center, Ninth People Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China* |
| P6-46 | The benefit of cochlear implant in Usher syndrome type II in tone language: a case report  
Tai-Lien Chiang  
*Mackay Memorial Hospital, Taipei, Taiwan* |
| P6-47 | Hearing Preservation outcomes of lateral wall and perimodiolar electrodes at SCIC  
Melville J da Cruz  
*Department of Surgery, University of Sydney, Sydney, Australia* |
| P6-48 | Multicentre Study to compare trends in the outcomes of MidScala and Slim J electrodes  
Karen Baillieu  
*Guys and St Thomas NHS Foundation Trust, London, UK* |
| P6-49 | The study on preservation of residual hearing after minimally invasive cochlear implantation  
Ruijie Wang  
*Department of Auditory Implantation, Shandong Provincial ENT Hospital affiliated to Shandong University, Jinan, China* |
| P6-50 | Optimizing the benefit of cochlear implant processors for mobility and leisure activities  
Andreanne Sharp  
*Ecole d'orthophonie et d'audiologie, Université de Montréal, Montreal, Canada* |
| P6-51 | Effects of listening-centered music training on music enjoyment for CI recipients  
Ha-Nee Kim  
*Soree Ear Clinic, Seoul, Korea* |
| P6-52 | Music in rehabilitation and development of children with CIs, active and passive music therapy  
Barbara Kaczynska  
*Institute of Physiology and Pathology of Hearing, Warsaw, Poland* |
P6-53  A study of influential factors of music appreciation for adult cochlear implant users
Ye Yang
Department of Otolaryngology and Head and Neck Surgery, Nanjing Drum Tower Hospital, Nanjing, China

P6-54  The ability of emotional recognition in voice and music for preschoolers with bilateral CI
Jeeun Lee
Speech Therapy, Graduation School of Korea Nazarene University, Chonan, Korea

P6-55  Robotic Audiometry: Sound Localization and Tracking with Pinna-Directionality in Bilateral CI
Wilhelm Wimmer
Department of ORL, Head and Neck Surgery, University Hospital Bern, Bern, Switzerland

P6-56  Body balance function of cochlear implant patients with and without sound conditions
Kaori Oikawa
Department of Otolaryngology - Head and Neck Surgery, Iwate Medical University, Morioka, Iwate, Japan

P6-57  Vestibular Evoked Myogenic Potentials (VEMPs) in Patients of Large Vestibular Aqueduct Syndrome
Xuhui Liu
Department of Otolaryngology and Head and Neck Surgery, Chinese PLA General Hospital, Beijing, China
Poster Room 1 (Akebono)

16:00-18:00  **Poster 7**

**Miscellaneous**

| P7-01  | The Evolution of a Cochlear Implant Unit. The Ear Science Clinic Perspective  
Ear Science Institute Australia, Perth, Australia |
|--------|---------------------------------------------------------------------|

| P7-02  | The geographic distribution of Iran cochlear implant centers  
Ministry of Health and Medical Education, Tehran, Iran |
|--------|---------------------------------------------------------------------|

| P7-03  | Research on establishment of rehabilitation service system for hearing-impaired children in Anqing  
China Rehabilitation Research Center for Hearing and Speech Impairment, Beijing, China |
|--------|---------------------------------------------------------------------|

| P7-04  | Effectiveness of rehabilitation assistance for hearing-impaired children by the Chinese government  
China Rehabilitation Research Center for Hearing and Speech Impairment, Beijing, China |
|--------|---------------------------------------------------------------------|

| P7-05  | What do HI adults in India know about Cochlear Implants: Is this a barrier to implantation?  
Sankalp ENT & Cochlear Implant Centre, New Delhi, India |
|--------|---------------------------------------------------------------------|

| P7-06  | A Questionnaire to examine the awareness of cochlear implants amongst HI adults in India  
Advanced Bionics India Pvt Ltd, Mumbai, India |
|--------|---------------------------------------------------------------------|

| P7-07  | Key areas emphasized by professionals during information delivery to parents of hearing loss child  
Physiotherapy Program & Centre for Rehabilitation and Special Needs, Faculty of Health Sciences, UKM, Kuala Lumpur, Malaysia |
|--------|---------------------------------------------------------------------|

| P7-08  | Cost Effectiveness Analysis of Unilateral Cochlear Implantation in Taiwan  
Department of Otolaryngology, Sijih Cathay General Hospital, New Taipei City, Taiwan |
|--------|---------------------------------------------------------------------|
Poster Room 2 (Aozora)

16:00-18:00  Poster 8

**Diagnosis**

<table>
<thead>
<tr>
<th>P8-01</th>
<th>Cochlear implantation in children with X-linked deafness: a case report</th>
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<tbody>
<tr>
<td></td>
<td>Messaoudi Karim</td>
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<tr>
<td></td>
<td>University of Ouargla, Ouargla, Algeria</td>
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<tr>
<th>P8-02</th>
<th>Prevalence of Congenital Hearing Loss and 35delG/GJB2 Mutation in Oltenia Region, Romania</th>
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<tr>
<td></td>
<td>Florin Anghelina</td>
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<tr>
<td></td>
<td>University of Medicine and Pharmacy of Craiova, Craiova, Romania</td>
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<tr>
<th>P8-03</th>
<th>Kid Syndrome: A Case Report</th>
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<tr>
<td></td>
<td>Karim Messaoudi</td>
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<td>The University of Ouargla, Faculty of Medicine, Ouargla, Algeria</td>
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<tr>
<th>P8-04</th>
<th>Identification of a novel CDH23 gene variant in a Chinese deafness family</th>
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<tr>
<td></td>
<td>Ying Chen</td>
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<tr>
<td></td>
<td>Department of ENT 9th People's Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China</td>
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<tr>
<th>P8-05</th>
<th>Hearing Progression research on GJB2-associated hearing loss children</th>
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<tr>
<td></td>
<td>Cheng Wen</td>
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<td></td>
<td>Beijing Tongren Hospital, Capital Medical University, Beijing, China</td>
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<th>P8-06</th>
<th>Evaluation of metabolism in patients with connexin 26 gene (GJB2) mutations</th>
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<tr>
<td></td>
<td>Satoko Yoshikawa</td>
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<td>Yamato-University, Osaka, Japan</td>
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<th>P8-07</th>
<th>Nationwide analysis of infants' hearing detection and intervention status in South Korea</th>
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<tr>
<td></td>
<td>Su-Kyoung Park</td>
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<tr>
<td></td>
<td>Department of Otorhinolaryngology-Head and Neck Surgery, Hallym University College of Medicine, Seoul, Korea</td>
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<tr>
<th>P8-08</th>
<th>Establishment of a comprehensive medical service network for children’s hearing loss in Miyazaki</th>
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<tr>
<td></td>
<td>Miho Shirane</td>
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<tr>
<td></td>
<td>Department of Otorhinolaryngology-Head and Neck Surgery, University of Miyazaki, Miyazaki, Japan</td>
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<th>P8-09</th>
<th>Effect of Universal Newborn Hearing Screening on Age of Cochlear Implantation</th>
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<tr>
<td></td>
<td>Jason L Hollowell</td>
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<td></td>
<td>Shizuoka Prefectural General Hospital, Shizuoka, Japan</td>
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<tr>
<th>P8-10</th>
<th>Intrauterine hearing screening, our early experience</th>
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<tr>
<td></td>
<td>Rohit Mehrotra</td>
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<td>GSVM Medical College, Kanpur, India</td>
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<th>P8-11</th>
<th>Prelingually Deaf children, why would they present late?!</th>
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<tr>
<td></td>
<td>Yazeed Ali Alshawi</td>
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<td>King Abdullah Ear Specialist Center (KAESC), Riyadh, Saudi Arabia</td>
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<th>P8-12</th>
<th>Current status of universal newborn hearing screening at 26 institutions in China</th>
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<tr>
<td></td>
<td>Lihui Huang</td>
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<tr>
<td></td>
<td>Department of Otolaryngology and Head and Neck Surgery, Beijing Tongren Hospital, Beijing, China</td>
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<tr>
<th>P8-13</th>
<th>Impact of Newborn Hearing Screening on auditory and language outcomes in paediatric cochlear implant</th>
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<tr>
<td></td>
<td>Ida L Amir</td>
</tr>
<tr>
<td></td>
<td>Department of ORL, Christchurch Hospital, Christchurch, New Zealand</td>
</tr>
</tbody>
</table>
**P8-14** Correlates of electrical field interactions with electrically evoked auditory brainstem responses  
Sang-Yeon Lee  
Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University Hospital, Seoul, Korea

**P8-15** Middle and inner ear functional state before and after cochlear implantation  
Nicolay Daykhes  
Federal Otorhinolaryngology Clinical Research Center, Moscow, Russia

**P8-16** Radiographic Findings of Peristapedial Cyst for Diagnosing CSF Fistula among CI Candidates  
Xinbo Xu  
Department of Otorhinolaryngology, Qilu Hospital of Shandong University, Jinan, China

**P8-17** Utility of OTOPLAN for Surgical Planning of Cochlear Implantation in IEM patients  
Jing Luo  
Department of Otolaryngology-Head and Neck Surgery, The First Affiliated Hospital of USTC, Hefei, China

**P8-18** RF-induced heating of the Nurotron CS-10A cochlear implant under 1.5T and 3T MRI environment  
Xiaoan Sun  
Nurotron Biotechnology Inc., Hangzhou, China

**P8-19** Cochlear Implantation with Congenital Facial Nerve Malformation  
Hanbing Zhang  
Department of Otorhinolaryngology, Qilu Hospital of Shandong University, Jinan, China

**P8-20** Cochlear duct length measurement with OTOPLAN: A New technology for electrode selection of CI  
Jianan Li  
Department of Otolaryngology and Head and Neck Surgery, People's Liberation Army General Hospital, Beijing, China

**P8-21** Relationship between cochlear size and listening performance after cochlear implantation  
Yasuhiro Osaki  
Department of Otolaryngology, Kindai University Faculty of Medicine, Osaka-sayama, Japan

**P8-22** Radiological assessment of Algerian children with congenital sensorineural hearing loss  
Nacim Ait Mesbah  
ENT Department EPH Bachir Mentouri Kouba, Algiers, Algeria

**P8-23** Vestibular Imaging and Function in Inner Ear Malformation Patients with Profound Hearing Loss  
Alexander Edward S Dy  
Jose R. Reyes Memorial Medical Center, Manila, Philippines

**P8-24** HRCT correlation with round window niche visibility via facial recess during CI surgery  
Rabindra Bhakta Pradhananga  
Department of ENT-Head and Neck Surgery, Tribhuvan University Teaching Hospital, Maharajgunj Medical College, Institute of Medicine, Kathmandu, Nepal

**P8-25** Predictors of round window membrane visibility in pediatric cochlear T implant surgery  
Jianqing Chen  
Department of Otolaryngology, Head and Neck, SurgeryShanghai Ninth People Hospital, Affiliated to Shanghai Jiaotong University School of Medicine, Shanghai, China

**P8-26** Prognostic value of hematologic markers in idiopathic sudden sensorineural hearing loss  
Ju Hyoung Lee  
Department of Otolaryngology, Head and Neck Surgery, School of Medicine, Gachon University, Incheon, Korea

**P8-27** A normative study on tone burst vestibular evoked myogenic potentials  
Chun Suan Ong  
Singapore General Hospital, Singapore, Singapore
16:00-18:00 **Poster 9**

**Other Device**

| P9-01 | **Conditions for successful application of EAS in children with useful residual hearing**  
Young-Myoung Chun  
Soree Ear Clinic, Seoul, Korea |
| --- |
| P9-02 | **The benefit of Bluetooth devices to improve recognition of speech and sentences in Baha recipients**  
Seung Won Paik  
Yonsei University Wonju College of Medicine, Wonju, Korea |
| P9-03 | **Effects of Location, Lifts and Screws on the Sound Transmission of The BONEBRIDGE Implant**  
Seyed Alireza Rohani  
Western University, London, ON, Canada |
| P9-04 | **Audiologic, surgical and subjective outcomes of active transcutaneous bone conduction implant system**  
Se-Joon Oh  
Department of Otolaryngology and Head and Neck Surgery, Pusan National University Hospital, Busan, Korea |
| P9-05 | **Audiological evaluation of bone conduction hearing device Adhear in conductive hearing loss**  
Piotr H Skarzynski  
Institute of Physiology and Pathology of Hearing, Warsaw, Poland |
| P9-06 | **Surgical Experience of Combined intervention EAC reconstruction and Baha Attract Implantation**  
Yun Li  
Hearing Center, Ninth People Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China |
| P9-07 | **Advantages of transcutaneous Baha vis-a-vis percutaneous Baha implant (Indian scenario)**  
Jitendra Mohan Hans  
Dr Hans Centre for ENT & Cochlear Implants, New Delhi, India |
| P9-08 | **Baha Attract Implantation Using a Small Incision: Report of Surgical Technique and Surveillance**  
Sung Min Han  
Yonsei Wonju College of Medicine, Wonju, Korea |
| P9-09 | **The Audiological Benefits and Performance Improvements in Baha Attract recipients**  
Tae Hoon Kong  
Yonsei University Wonju College of Medicine, Wonju, Korea |
| P9-10 | **Audiological outcomes of Bonebridge implants in patients with mixed or conductive hearing loss**  
Ying Lin  
First Affiliated Hospital, Air Force Medical University, Xi'an, China |
| P9-11 | **Binaural listening outcomes in multi-talker babble with the Med-El BONEBRIDGE**  
Christopher Raine  
Yorkshire Auditory Implant Service, Bradford, UK |
P9-12  VSB implantation in a NF1 patient with multiple bony defects in the temporal bones and the skull
Akira Ganaha
Department of Otorhinolaryngology-Head and Neck Surgery, University of Miyazaki, Miyazaki, Japan

P9-13  The Vibrant Soundbridge surgery before microtia reconstruction in patients with aural atresia
Masahiro Takahashi
Department of Otolaryngology, International University Health and Welfare, Mitia Hospital, Tokyo, Japan

P9-14  Sound localization ability of patients with unilateral conductive hearing loss implanted with VSB
Chunli Zhao
Department of Otolaryngology Head and Neck Surgery, Beijing Tongren Hospital, Capital Medical University, Beijing, China

P9-15  Vibrant soundbridge clinical and audiological outcome; KAESC experience
Farid Alzhrani
King Abdullah Ear Specialist Center, College of Medicine, King Saud University, Riyadh, Saudi Arabia

P9-16  Relationship between vibrogram and bone conduction threshold in 35 patients with Vibrant Soundbridge
Anjin Mori
Department of Otolaryngology, Kindai University Faculty of Medicine, Osaka-Sayama, Japan

P9-17  Incus short process vibroplasty in young adults with sensorineural hearing loss: a case series
Jeong-Hoon Oh
Bucheon St. Mary's Hospital, The Catholic University of Korea, Bucheon, Korea

P9-18  Vibrant Soundbridge Implantation Assisted by Navigation System for Bilateral Congenital Aural Atresia
Minoru Hara
Department of Otorhinolaryngology, Kamio Memorial Hospital, Tokyo, Japan

P9-19  Development of the Nurotron auditory brainstem implant system with 24 stimulating channels
Sui Huang
Nurotron Biotechnology Company, Irvine, USA

P9-20  Auditory brainstem implantation for pediatric severe inner ear malformations in China
Zhihua Zhang
Department of Otolaryngology, Head and Neck Surgery, Shanghai Ninth People Hospital, Affiliated to Shanghai Jiaotong University School of Medicine, Shanghai, China

P9-21  Withdrawn

P9-22  Auditory brainstem implantation; eight years experience of an Iranian center
Ali Eftekharian
Shahid Beheshti University of Medical Sciences, Tehran, Iran

P9-23  ABI in NF2 Patients New Insights for Better Outcome
Robert Behr
Department of Neurosurgery, Fulda, Germany

P9-24  Long-term use of device and outcomes in Non-NF2 Children with Auditory Brainstem Implant
Ranjith Rajeswaran
MERF Institute of Speech and Hearing (P) Ltd, Chennai, India
Deafness in malformations is successfully treated by ABI in Prelingually Deaf Children
Robert Behr
Department of Neurosurgery, Fulda, Germany

Vagus nerve monitoring for oral intubation during pediatric auditory brainstem implantation
Xiaoling Yin
Department of Otolaryngology, Head and Neck Surgery, Shanghai Ninth People Hospital, Affiliated to Shanghai Jiaotong University School of Medicine, Shanghai, China

Withdrawn

Contribution of hearing aids in quality of life improvement adult hearing aid users
Eun Jin Son
Department of Otorhinolaryngology, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

Comparison of 3D rapid prototyping with injection method for fabricating hearing aid shells
Li-Chun Hsieh
Department of Otolaryngology-Head and Neck Surgery, Mackay Memorial Hospital, Taipei, Taiwan

Clinical validation of tele-audiology services for hearing aid fitting in China
Rong Song
China Rehabilitation and Research Center for Hearing and Speech Impairment, Beijing, China

Effect of CROS/BiCROS Hearing Aids and Bone Conduction Implants on Tinnitus in Single-Sided Deafness
Jung Mee Park
Department of Otorhinolaryngology, College of Medicine, The Catholic University of Korea, Seoul, Korea

Hearing benefit in children and adults with an ADHEAR compared to an existing bone conduction device
Roberta Marino
Fiona Stanley Hospital, Murdoch, Australia

Auditory performance and subjective satisfaction with the ADHEAR System
Medhat Fathy Yousef
Audiology Unit, King Abdullah Ear Specialist Center, King Saud University, Riyadh, Saudi Arabia

Subjective and Audiologic Outcomes in 104 Congenital CHL with Transcutaneous Bone Conduction Device
Shouqin Zhao
Department of Otolaryngology and Head and Neck Surgery, Beijing Tongren Hospital, Beijing, China

Outcomes in patients of different conditions implanted with transcutaneous bone conduction device
Jinsong Yang
Department of Otolaryngology Head and Neck Surgery, Beijing Tongren Hospital, Capital Medical University, Beijing, China
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<th>16:00-18:00</th>
<th><strong>Poster 10</strong></th>
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<tr>
<td><strong>Audiology/Education</strong></td>
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| **P10-01** The role of ESRT in the adjustment and rehabilitation of the cochlear Implant  
Guanxia Xiong  
Otolaryngology Hospital of the First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China | |
| **P10-02** Detection and audibility of speech sounds as measured by Cortical Auditory Evoked Potentials (CAEPs)  
Dayse Tavora-Vieira  
Fiona Stanley Hospital, Perth, Australia | |
| **P10-03** Does Electrical Stimulation Improve Neural Synchronization post CI ? A Comparative Study  
Neevita Narayan  
SpHear Speech & Hearing Clinic, New Delhi, India | |
| **P10-04** Effects of prelingual cochlear implantation on speech-evoked cortical auditory responses  
Mohsen Ahadi  
Department of Audiology, School of Rehabilitation Sciences, Iran University of Medical Sciences, Tehran, Iran | |
| **P10-05** Paradox of aural preference syndrome  
Sung Wook Jeong  
Department of Otolaryngology, College of Medicine, Dong-A University, Busan, Korea | |
| **P10-06** Maturation in auditory event-related potentials in prelingually deafness children after CI  
Xueyuan Zhang  
Department of Otolaryngology of Sun Yat-sen Memorial Hospital, Sun Yat-Sen University, Guangzhou, China | |
| **P10-07** Electrophisiology and Imaging Approach to Evaluate Brainstem Auditory Tract Integrity  
Fikri Mirza Putranto  
Faculty of Medicine University of Indonesia, Jakarta, Indonesia | |
| **P10-08** The effect of pulse polarity on neural response in children with cochlear nerve deficiency  
Xiuhua Chao  
Department of Otolaryngology Head and Neck Surgery, Shandong ENT Hospital affiliated to Shandong University, Jinan, China | |
| **P10-09** The relationship between EMLR and speech assessment in pediatric cochlear implant recipients  
Zhaoyi Lu  
Department of Otolaryngology and Head and Neck Surgery, Peking University Third Hospital, Beijing, China | |
| **P10-10** Saccular function after cochlear implantation in children: round window versus cochleostomy approach  
Cristina Hera  
Department of Otorhinolaryngology, Faculty of Medicine, Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania | |
| **P10-11** Electroencephalography in CI: semi-automatic reduction of cochlear implant-associated artifacts  
Jeong-Sug Kyong  
Seoul National University Hospital, Seoul, Korea | |
**P10-12** Effects of triphasic pulses on ECAP and psychoacoustic responses in humans  
Andreas Bahmer  
Wuerzburg University Clinic, Wuerzburg, Germany

**P10-13** Health-related quality of life in prelingually deafened adolescents after cochlear implantation  
Anton Machalov  
Federal Otorhinolaryngology Clinical Research Center, Moscow, Russia

**P10-14** Analysis of Mapping Characteristics of Cochlear Implant Patients with Inner Ear Anomalies  
Euyhyun Park  
Korea University Anam Hospital, Seoul, Korea

**P10-15** Study of entry to general elementary schools based on the recorded implantation data in Tabriz, Iran  
Aida Ariafar  
Medicine University of Tabriz, Tabriz, Iran

**P10-16** Evaluation of cochlear implant in Autism children  
Parivash Bahari  
Medicine University of Tabriz, Tabriz, Iran

**P10-17** Parents’ persepctives and understanding of information delivery on childhood hearing loss  
Mohamad Firdaus Latip  
Centre for Ear, Hearing and Speech, Faculty of Health Sciences, Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia

**P10-18** Study of the relationship between CAP score and phonological awareness skills in implanted children  
Afarin Akhoundi  
Medicine University of Tabriz, Tabriz, Iran

**P10-19** The comparison of speech and hearing skills in implanted subjects  
Afarin Akhoundi  
Medicine University of Tabriz, Tabriz, Iran

**P10-20** Iranian Version of Parents’ Views and Experiences with Pediatric Cochlear Implant Questionnaire  
Mohammad Hossein Nilforoush  
Isfahan Cochlear Implant Center, Isfahan, Iran

**P10-21** A tool to assess Third party disability in parents and caregivers of children with cochlear implants  
Madhuri Gore  
Dr. S. R. Chandrashekhar Institute of Speech & Hearing, Bangalore, India

**P10-22** The Cooperative Ability between Hearing-impaired children and Normal Hearing Children aged 4-5  
Duanxia Wang  
China Rehabilitation and Research Center for Hearing and Speech Impairment, Beijing, China

**P10-23** The impact of having a child with a cochlear implant on the parent/caregiver  
Aninda Dutta Banik  
Advanced Bionics India Pvt Ltd, Mumbai, India

**P10-24** The Impact of Training Methods on the Rehabilitation for Hearing-impaired Children with CI  
Xiaoyue Lu  
China Rehabilitation Research Center for Hearing and Speech Impairment, Beijing, China
P10-25  Inclusion of Children with Hearing Impairment in Schools: Perspectives on Its Implementation
   Eka Kurnia Hikmat
   RSI Hearing Rehabilitation and Training Center, Jakarta, Indonesia

P10-26  Audiometric assessment and hearing aid fitting for a population with severe intellectual disability
   Kae Kitagawa
   Hokkaido Comprehensive Counseling Office for the Disabled, Sapporo, Japan
November 30 (Sat)

Room 1 (Eminence)

8:00-9:00  Symposium 26
Coding Strategy
Moderators: Hiroaki Sato, Japan
           Jong Woo Chung, Korea

| SY26-1   | Improved pitch and melody perception with the OPAL sound coding strategy |
|          | Brett A Swanson |
|          | Cochlear Ltd, Sydney, Australia |

| SY26-2   | Clinical Benefits of Using Two Hearing Devices for All Cochlear Implant Users |
|          | Volkmar Hamacher |
|          | Advanced Bionics, Hannover, Germany |

| SY26-3   | Focus on electrical neural stimulation: parameters optimization and safety of Oticon Medical CI stim |
|          | Dan Gnansia |
|          | Oticon Medical, Vallauris, France |

9:00-10:00 Keynote Lecture
Moderators: Kaoru Ogawa, Japan
           SangHeun Lee, Korea

| KL-3     | Bilateral Cochlear Implants |
|          | Joachim Muller |
|          | Department of Otorhinolaryngology, Section Cochlear Implants and Otology, Munich University, Munich, Germany |

| KL-4     | Robotic Assisted Cochlear Implantation (RACI): the Antwerp Clinical Experience |
|          | Paul van de Heyning |
|          | Antwerp University Hospital (UZA), University of Antwerp, Antwerp, Belgium |

10:15-11:30 Sponsored Symposium 3  Sponsor: Advanced Bionics International
Creating Powerful Connections
Moderator: Tiziano Caldera, Italy

| SS3-1    | Tiziano Caldera, Italy |
| SS3-2    | Advanced Bionics Recipient |
| SS3-3    | Meredith Holcomb, USA |
| SS3-4    | Andreas Büchner, Germany |
| SS3-5    | Sunil Kapoor, USA |
11:45-12:35  **Luncheon Seminar 5**  
Sponsor: The University of Tokyo

**Moderator:** Tatsuya Yamasoba,  *Tokyo*

| LS5 | **To make surgical navigation useful is your responsibility**  
Nozomu Matsumoto  
*Department of Otorhinolaryngology, Kyushu University, Fukuoka, Japan*

12:45-14:15  **Symposium 27**

**Criteria for CI in Different Countries**

**Moderators:** Levent Olgun,  *Turkey*  
Chen-Chi Wu,  *Taiwan*

| SY27-1 | **Cochlear Implantation in Turkey**  
Levent Olgun  
*Zubeyde Hanım Research Center Izmir, Baskent University, Izmir, Turkey*

| SY27-2 | **CI indication in Japan**  
Tatsuya Yamasoba  
*Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan*

| SY27-3 | **Cochlear implant selection criteria: Australian experience**  
Catherine Birman  
*Sydney Cochlear Implant Centre, Sydney, Australia*

| SY27-4 | **CI candidacy of adolescents and adults in Taiwan**  
William Kuan Hua Chen  
*Auditory Implantation Center, Far Eastern Memorial Hospital, Taipei, Taiwan*

| SY27-5 | **CI Program in Singapore: what have we learnt and what's next?**  
Barrie Tan  
*Gleneagles Hospital, Singapore, Singapore*

| SY27-6 | **Current Indications of Cochlear Implantation in China**  
Hao Wu  
*9th people’s Hospital Shanghai Jiaotong University School of Medicine, Shanghai, China*

| SY27-7 | **Current indication of CI in Korea**  
Seung Ha Oh  
*Department of Otolaryngology and Head and Neck Surgery, Seoul National University College of Medicine, Seoul, Korea*

| SY27-8 | **Expanded Criteria for Pediatric Cochlear Implantation in the United States**  
Meredith Ann Holcomb  
*University of Miami, Miami, USA*

14:20-14:50  **Closing Ceremony**
8:00-9:00  **Paper 13**

**CI Outcome: Long Term Results**

*Moderators: Robert SC Cowan, Australia
Yuko Kataoka, Japan*

- **O13-1**  
  **Speech perception and language outcomes; Aetiology and cognitive factors**
  Claire Iseli  
  *The Cochlear Implant Clinic, Royal Victorian Eye and Ear Hospital, East Melbourne, Australia*

- **O13-2**  
  **Impact of Socioeconomic Factors on Paediatric Cochlear Implant Outcomes**
  Shalabh Sharma  
  *Sir Ganga Ram Hospital, New Delhi, India*

- **O13-3**  
  **Prognostic factors of speech perception outcomes in pediatric cochlear implant users**
  Eugenijus Lesinskas  
  *Vilnius University Medical Faculty Department of Clinical Medicine, Vilnius, Lithuania*

- **O13-4**  
  **Factors Affecting Age of Diagnosis and Rehabilitation Intervention in Cochlear Implant Children**
  Nader Saki  
  *Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran*

- **O13-5**  
  **Auditory performance and language outcomes for paediatric cochlear implant users**
  Robert SC Cowan  
  *The HEARing CRC, Carlton, Australia*

- **O13-6**  
  **Comparison of HF mid-scala and Helix CI electrode performance**
  Arne Ernst  
  *Department Otolaryngology at ukb, University Berlin, Charite Medical School, Berlin, Germany*

9:00-10:00  **Education Program for Japanese 9**

*司会：欠畑 誠治 山形大学医学部耳鼻咽喉頭頸部外科学講座*

- **EP9-1**  
  **EASの適応と調整**
  茂木 英明  
  *相澤病院耳鼻咽喉科*

- **EP9-2**  
  **CI適応を迷う症例 Case Study**
  櫻尾 明憲  
  *東京大学大学院医学研究所耳鼻咽喉科・頭頸部外科*

10:15-11:30  **Sponsored Symposium 3**  

*Sponsor: Advanced Bionics International*

**Creating Powerful Connections**

*プログラム詳細：P88 参照
※日本語への同時通訳音声を聴講できます。*
11:45-12:35 Luncheon Seminar 6  
Sponsor: MakiChié CO., LTD.

Moderator: Kimitaka Kaga, Japan

LS6  Hearing aid fitting for mild to moderate hearing loss in adults
Seiichi Shinden
Saiseikai Utsunomiya Hospital, Utsunomiya, Japan

12:45-13:15 Education Program for Japanese 10

Baha の適応と成績

司会：岩崎 聡 国際医療福祉大学三田病院耳鼻咽喉科

EP10-1 当科で実施しているBAHA症例の対象とその成績について
久保田 江里
国際医療福祉大学三田病院耳鼻咽喉科

EP10-2 Bahaの適応と成績
安永 太郎
宮崎大学医学部附属病院聴覚支援センター

13:15-14:15 Education Program for Japanese 11

我が国で標準化された人工聴覚器成績評価検査 iCI2004

司会： 東野 哲也 宮崎大学医学部耳鼻咽喉・頭頸部外科学教室
宇佐美 真一 信州大学医学部耳鼻咽喉科学教室

EP11-1 本邦における語音聴覚検査法の歴史：CI-2004の位置づけ
城間 将江
国際医療福祉大学成田保健医療学部言語聴覚学科

EP11-2 CI2004の概要（語表作成の意図と方法）
井原 貴子
愛知淑徳大学健康医療科学部言語聴覚学専攻

EP11-3 CI2004と67S、57Sの構成と成績比較
松田 悠佑
鹿児島市立病院耳鼻咽喉科

EP11-4 CI2004を用いた標準化研究結果とiCI2004アプリの開発
西尾 喜哉
信州大学医学部耳鼻咽喉科
信州大学医学部人工聴覚器学講座
8:00-9:00  **Paper 14**

**Tonal Language**

**Moderators:** Pu Dai, *China*
Chen-Chi Wu, *Taiwan*

- **O14-1** Multilingual Ability Post-Cochlear Implantation in a Paediatric Population
  Saif Al-Zahid
  University of Malaya Medical Centre, Kuala Lumpur, Malaysia

- **O14-2** The Outcome of Cochlear Implantation in Children under the Age of One Year
  Yang Yang
  Department of Otolaryngology, Beijing Children's Hospital, Capital Medical University, Beijing, China

- **O14-3** Tone perception in Mandarin-speaking children with cochlear implants
  Yun Zheng
  Department of Otorhinolaryngology Head & Neck Surgery, West China Hospital, Sichuan University, Chengdu, China

- **O14-4** Long term speech perception in Mandarin speaking prelingual deaf children after cochlear implant
  Pey-Yu Chen
  Department of Otolaryngology, Mackay Memorial Hospital, Taipei, Taiwan

- **O14-5** Bilateral vs unilateral cochlear implantation in Mandarin speaking children: Preliminary results
  Zhiqiang Gao
  Peking Union Medical College Hospital, Beijing, China

- **O14-6** Speech recognition outcomes in Mandarin Speaking CI Users With Fine Structure Processing
  Beier Qi
  Department of Otolaryngology Head and Neck Surgery, Beijing Tongren Hospital, Capital Medical Univers, Beijing, China

9:00-10:00  **Symposium 28**

**Tonal Language**

**Moderators:** Chuan-Jen Hsu, *Taiwan*
Chi Fai Michael Tong, *Hong Kong*

- **SY28-1** The development of equivalent lists in the Cantonese Spoken Word Recognition Test (CanSWORT)
  Kathy Y.S. Lee
  The Chinese University of Hong Kong, Hong Kong, SAR, China

- **SY28-2** Improved voice pitch perception with the OPAL sound coding strategy
  Brett A Swanson
  Cochlear Ltd, Sydney, Australia

- **SY28-3** SoftVoice improves understanding of soft speech and reduces listening effort in CI users
  H. Christiaan Stronks
  Department of Otorhinolaryngology, Leiden University Medical Center, Leiden, The Netherlands
SY28-4  Early tone perception in Mandarin-speaking children with simultaneous bilateral cochlear implants  
Suju Wang  
Department of Otorhinolaryngology, Peking Union Medical College Hospital, Beijing, China

12:45-14:15  Symposium 29  
Middle Ear Implant/BC Implant 3

SY29-1  How I use Bone Conduction Devices for Children with Aural Atresia  
Colin R S Brown  
Starship Children’s Hospital, Auckland, New Zealand

SY29-2  Defining the optimal candidates for Vibrant Soundbridge in sensorineural and mixed hearing loss  
Jinsei Jung  
Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea

SY29-3  Subjective and Audiologic Outcomes in 104 Congenital CHL with Transcutaneous Bone Conduction Device  
Shouqin Zhao  
Department of Otolaryngology Head and Neck Surgery, Beijing Tongren Hospital, Capital Medical University, Beijing, China

SY29-4  Functional and directional hearing in microtia/atresia patients with unilateral or bilateral BCHDs  
Xiaowei Chen  
Department of Otolaryngology, Peking Union Medical College Hospital, Beijing, China

SY29-5  Transcutaneous Bone Conduction Implants (BCI) in Children and Adolescent  
Koitschev Assen  
ORL-Department, Klinikum Stuttgart - Olgahospital, Stuttgart, Germany

SY29-6  VSB surgery for conductive & mixed HL  
Katsumi Doi  
Kindai University, Osaka-Sayama, Japan
Room 4 (Hana D)

8:00-9:00  **Paper 15**

**Vestibule**

**Moderators:**  Arata Horii,  *Japan*
                 Hideo Shojyaku,  *Japan*

| O15-1  | **The objective vestibular function changes in children following cochlear implantation**  
       | Ruijie Wang  
       | Department of Auditory Implantation, Shandong Provincial ENT Hospital affiliated to Shandong University, Shandong Provincial ENT Hospital, Jinan, China |

| O15-2  | **Affect of CI Stimulation on Vestibular Function in Children**  
       | Kshitij Malik  
       | Dr Malik's Prime Clinic, Centre for Hearing, Tinnitus & Vertigo, New Delhi, India |

| O15-3  | **Withdrawn**

| O15-4  | **Controlled modulation of posture with a vestibular implant in humans**  
       | Raymond van de Berg  
       | Department of Otorhinolaryngology and Head and Neck Surgery, Maastricht University Medical Center, Maastricht, The Netherlands |

| O15-5  | **The vestibular implant: Restoring the high-frequency visual stabilization abilities**  
       | Raymond van de Berg  
       | Department of Otorhinolaryngology and Head and Neck Surgery, Maastricht University Medical Center, Maastricht, The Netherlands |

| O15-6  | **Evaluation of balance function in patients with inner ear anomalies and cochlear implantation**  
       | Hesamaldin Emamdjomeh  
       | Iran Cochlear Implant Center, Tehran, Iran |

9:00-10:00  **Paper 16**

**Mapping**

**Moderators:**  Chie Obuchi,  *Japan*
                 Helen Cullington,  *UK*

| O16-1  | **Analysis and categorization of problems in the mapping of CI referral cases**  
       | Euyhyun Park  
       | Korea University Anam Hospital, Seoul, Korea |

| O16-2  | **Teleaudiology is it worthwhile?**  
       | Janeen Jardine  
       | Mater Cochlear Implant Clinic, Mater Health Services, Brisbane, Australia |

| O16-3  | **Cochlear implant fitting based on automated ECAP measurements**  
       | Lutz Gaertner  
       | Department of Otolaryngology, Hannover Medical School, Hannover, Germany |

| O16-4  | **Modern technologies of rehabilitation in patients with cochlear implants**  
       | Vigen Bakhshinyan  
       | National research Centre for Audiology and Hearing Rehabilitation, Moscow, Russia |
**O16-5** Hearing tests in the comfort of the patients home, how it compares to the sound treated room
Saji Maruthurkkara
*Cochlear Limited, Sydney, Australia*

**O16-6** A proposed long-term programming schedule for adults using cochlear implants
Karyn L Galvin
*Department of Audiology & Speech Pathology, University of Melbourne, Melbourne, Australia*

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**12:45-14:15 Symposium 30**

**Management of Difficult Case 4**

**Moderators:** Naohiro Yoshida, *Japan*
Thomas Lenarz, *Germany*

**SY30-1** Management of Difficult cases
Abdulrahman Abdullah Hagr
*Department of Medicine, King Saud University, Riyadh, Saudi Arabia*

**SY30-2** CI in Ossification - Planning & Execution
Sumit Mrig
*Department of ENT & Cochlear Implant Surgery, Max Smart Super Speciality Hospital, Saket, New Delhi, India*

**SY30-3** Cochlear implantation and Otosclerosis
Yann Nguyen
*Sorbonne Universite, Inserm, Unite Rehabilitation Chirurgicale Mini-invasive et Robotisee de Faudition, Paris, France*

**SY30-4** The effect of cochlear implant bed preparation and fixation technique on the revision rates
Munir Demir Bajin
*Hacettepe University, Ankara, Turkey*

**SY30-5** Cochlear Re-implantation Disaster
Blake Papsin
*Department of Otolaryngology, University of Toronto, Toronto, Canada*

**SY30-6** Reimplantation in early implanted pediatric patients - mismatch in electrode locations
Anke Lesinski-Schiedat
*ENT Clinic & DHZ Medical University Hannover, Hannover, Germany*

**SY30-7** Cochlear implantation in patients with Charcot-Marie-Tooth disease
Tadao Yoshida
*Department of Otorhinolaryngology, Nagoya University Graduate School of Medicine, Nagoya, Japan*
8:00-9:00  **Paper 17**

**BAHA/Middle Ear Implants**

**Moderators:** Yukio Katori, Japan
Akira Ganaha, Japan

**O17-1**  Long-term outcome of active middle ear implants (aMEI)
Arne Ernst
Department Otolaryngology at ukb, Hospital of the University of Berlin, Charite Medical School, Berlin, Germany

**O17-2**  Bonebridge Outcomes in SSD
Joseph G Toner
Auditory Implant Centre, Belfast, UK

**O17-3**  Long-Term Outcomes of Vibrant Soundbridge Implantation for Conductive or Mixed Hearing Loss Patients
Hajime Koyama
The University of Tokyo Hospital, Tokyo, Japan

**O17-4**  Usefulness of a Baha trial for adults with a unilateral hearing loss considering implantation
Rod Hollow
Royal Victorian Eye and Ear Hospital, Melbourne, Australia

**O17-5**  Changes in bone conduction implant geometry improve the fit in mastoids of children and young adults
Stefan K. Plontke
Department of Otorhinolaryngology, Head and Neck Surgery, Martin Luther University Halle-Wittenberg, Halle (Saale), Germany

**O17-6**  Audiological benefits after Bonebridge implantation
Piotr H. Skarzynski
Institute of Physiology and Pathology of Hearing, Warsaw, Poland

9:00-10:00  **Symposium 31**

**Acoustic Hearing/Speech Processor**

**Moderators:** Aleisha Davis, Australia
Meredith Holcomb, USA

**SY31-1**  Factors guiding decisions: Experiences with acoustic hearing for children with cochlear implants
Aleisha Davis
The Shepherd Centre, Sydney, Australia

**SY31-2**  Outcomes of children with hearing aids: findings from the LOCHI study
Teresa Y.C. Ching
National Acoustic Laboratories, Sydney, Australia

**SY31-3**  Benefits and outcomes of CROS and CI
Meredith Ann Holcomb
University of Miami, Miami, USA
The binaural benefits in young bimodal users - an intra-participant statistical investigation
Xinyue Qiu
Department of Special Education and Counselling, The Education University of Hong Kong, Hong Kong, China

12:45-14:15 Symposium 32
Remote Mapping/Rehabilitation 2

Moderators: Helen Cullington, UK
Koichi Omori, Japan

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<tr>
<th>SY32-1</th>
<th>Why remote practice should be routine practice in hearing implants</th>
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<td>Colleen Psarros</td>
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<th>SY32-2</th>
<th>Online Interactive Services: Group and individual remote rehabilitation programs</th>
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<td>Aleisha Davis</td>
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<th>SY32-3</th>
<th>Remote rehabilitation: Russian experience</th>
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<td>Inna Koroleva</td>
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<td><em>Saint-Petersburg’s Institute of ENT and Speech, Saint-Petersburg, Russia</em></td>
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<th>Remote Rehabilitation: Utilizing Social Media Resources as an Intervention Tool</th>
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<td>Rebecca Claridge</td>
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<th>CHOICE - Cochlear implant home care. Introducing telemedicine to adults with cochlear implants</th>
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<th>Better and broader hearing implant care with remote management by surgeons and audiologists</th>
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