

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*

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16:20-17:50 **Pre-symposium 2: Cochlear**

Sponsor: Nihon Cochlear Co., Ltd.

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 Toranomom 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 Papsin

The Hospital for Sick Children, The University of Toronto, Toronto, Canada

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SS1-5

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

Sponsor: Advanced Bionics International

Leading in Technology for Better Outcomes

Moderator: Volkmar 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

14:30-16:00 **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

16:20-18:20 **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

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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 庸子

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

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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**

Jane 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

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

Single Side Deafness and Asymmetric HL

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

SY04-1 Keynote: Asymmetrical 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 BAH 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

- SY05-5 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*

- SY06-1 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*

- SY06-2 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

- SY06-3 Rehabilitative team management for pediatric CI recipients with special auditory considerations**

Ying-Chuan Julie Ma
Children's Hearing Foundation, Taipei, Taiwan

- SY06-4 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

- SY06-5 Newborn genetic and CMV screenings in Taiwan**

Chen-Chi Wu
Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan

- SY06-6 Precision Medicine in Cochlear Implantation: The NTUH Experience**

Chen-Chi Wu
Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan

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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

SY08-6 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

Room 5 (Grace)

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

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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

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

Xuelel Zhao

Department of Otolaryngology and Head and Neck Surgery, Beijing Tongren Hospital, Beijing, China

O5-5

Agenetic 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

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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 Room 1 (Akebono)

16:00-18:00 **Poster 1**

CI Outcome 1

P1-01 **Withdrawn**

P1-02 **Auditory and Speech Development in Toddlers with Single-side and Bilateral Cochlear Implantation**

Bei Li

Department of Otolaryngology-Head and Neck Surgery, Shanghai Ninth People Hospital, Shanghai, China

P1-03 **The hearing & speech outcome of bilaterally sequential cochlear implantation in Waardenburg syndrome**

Hsiao-Man Hsu

Department of Otolaryngology, MacKay Memorial Hospital, Taipei, Taiwan

P1-04 **1-year post-connection results for sequentially bilateral cochlear implanted children**

Chia-Szu Chen

Department of Otolaryngology, NCKUH, College of Medicine, National Cheng Kung University, Tainan, Taiwan

P1-05 **Evidence-based guidance for recommending bilateral cochlear implantation in adults**

Agnes Au

The University of Melbourne, Melbourne, Australia

P1-06 **Speech perception in bilateral simultaneous cochlear implant (CI): is there unilateral predominance?**

Eman Abdullah Hajr

Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia

P1-07 **Bimodal stimulation of a CI and an ipsilateral hearing aid in a patient with residual hearing**

Hiroyuki Chiba

Department of Rehabilitation, Yamagata University Hospital, Yamagata, Japan

P1-08 **Re-training the deaf ear: Auditory training for cochlear implant users with single-sided deafness**

Roberta Marino

Fiona Stanley Hospital, Murdoch, Australia

P1-09 **Self-reported benefit after cochlear implantation in patients with UHL and no tinnitus**

Marika Kruszynska

World Hearing Center Institute of Physiology and Pathology of Hearing, Warsaw, Poland

P1-10 **Qualitative hearing benefits for adults who have a unilateral hearing loss and use cochlear implants**

Alexandra Rousset

Royal Victorian Eye and Ear Hospital, East Melbourne, Australia

P1-11 **Is Cochlear Implant Uptake Rate Influenced by the Hearing Loss Configuration, Age, or Gender?**

Catherine M Sucher

Ear Science Institute Australia, Subiaco, Australia

P1-12 **Cochlear implantation in children with cochlear nerve dysplasia**

Meiping Huang

Hearing Center, Ninth People Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China

November 27 (Wed)

November 28 (Thur)

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P1-13 A case of cochlear implantation in Waardenburg's Syndrome

Chang Hyun Cho

Department of ORL-HNS, Gachon University Gil Hospital, Incheon, Korea

P1-14 The role of fully-banded electrodes in the present scenario of cochlear implant surgery

Jitendra Mohan Hans

Dr Hans Centre for ENT & Cochlear Implants, New Delhi, India

P1-15 Analysis of the outcomes of cochlear implant in patients with severe inner ear malformation

Jianfen Luo

Department of Otolaryngology Head and Neck Surgery, Shandong Provincial ENT Hospital, Jinan, China

P1-16 Cochlear implant outcomes in our series of hypoplastic cochlear nerve

Ruchima Dham

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

P1-17 Outcomes of cochlear implantation in children with cochlear nerve deficiency

Xiuhua Chao

Department of Otolaryngology Head and Neck Surgery, Shandong ENT Hospital affiliated to Shandong University, Jinan, China

P1-18 Analysis of cochlear implant in children with IEM in Saudi Arabia, management and challenges

Rihab Alkhalil

Cochlear Implant Program, Department of Pediatric Surgery, National Guard Hospital, Riyadh, Saudi Arabia

P1-19 Cochlear implantation in children with incomplete partition type I deformity

Yan Huang

Department of Otolaryngology and Head and Neck Surgery, Guangdong Provincial People's Hospital, Guangzhou, China

P1-20 Long-term outcomes of cochlear implantation in children with inner ear malformations

Mariko Koike

Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan

P1-21 Study of cochlear implantation in children with cochlear nerve malformation

Tao Pan

Department of Otorhinolaryngology - Head and Neck Surgery, Peking University Third Hospital, Beijing, China

P1-22 Case of Cochlear Implantation to The Extremely Elder Patient

Hyun Min Lee

Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National University College of Medicine, Yangsan, Korea

P1-23 The problems related to use and manage their cochlear implants in the elderly

Norie Imagawa

Department of Otorhinolaryngology, Jikei University Hospital, Tokyo, Japan

P1-24 Speech perception of cochlear implantation in the elderly and octogenarian

Chen Jui Ling

Department of Otolaryngology, Mackay Memorial Hospital, Taipei, Taiwan

P1-25 What influences decision-making for cochlear implantation in adults? Exploring barriers and drivers

Azadeh Ebrahimi-Madiseh

Ear Science Institute Australia, Subiaco, Australia

- P1-26** **How successful use and maintenance of cochlear implants is defined? A multi-stakeholder perspective**
Azadeh Ebrahimi-Madiseh
Ear Science Institute Australia, Subiaco, Australia
- P1-27** **Cochlear implant outcomes in adult post-meningitic deafness - eCAP may predict outcome**
Rebecca L Heywood
Ng Teng Fong General Hospital, Singapore, Singapore
- P1-28** **Cochlear Implantation for post-meningitis deafness**
Teruyuki Higa
Department of Otorhinolaryngology, Head and Neck Surgery, University of the Ryukyus, Nisihara, Japan
- P1-29** **Poor outcome of bilateral cochlear implants for a post linguallly deafened adult by meningitis**
Jui May Yong
Department of Otolaryngology, Head and Neck Surgery, National University Hospital, Singapore, Singapore
- P1-30** **Evaluation of auditory and speech ability after cochlear Implantation in 8 ANSD children**
Wenwen Guo
Department of Otolaryngology, Shandong ENT Hospital Affiliated to Shandong University, Jinan, China
- P1-31** **Interaction between Speech Variations and Background Noise on Speech Intelligibility**
Ying Shi
Department of Otolaryngology, Head and Neck Surgery, Beijing TongRen Hospital, Capital Medical University, Ministry of Education of China, Beijing, China
- P1-32** **The association between language and cognitive development in cochlear implanted children**
Leila Monshizadeh
Research Centre for Psychiatry and Behavior Science, Shiraz University of Medical Sciences, Shiraz, Iran
- P1-33** **Sudan cochlear implant experience, difficulties, outcome and future plan**
Osama Mohamed Khalid Edris
Khartoum University, Khartoum, Sudan
- P1-34** **Expanding current cochlear implantation candidacy criteria: the Sunnybrook experience**
Justin T Lui
Department of Otolaryngology-Head & Neck Surgery, University of Toronto, Toronto, Canada
- P1-35** **Let's Expand Criteria of Adult & Paediatric Cochlear Implant Candidacy**
Radesh K Najran
MED-EL GmbH, Innsbruck, Austria
- P1-36** **Quantification of linguistic context effects in speech recognition for children and adults**
Agnes Au
The University of Melbourne, Melbourne, Australia
- P1-37** **Withdrawn**
- P1-38** **Cochlear implantation outcomes in patients with auditory neuropathy**
Pei-Hsuan Lin
Department of Otolaryngology, National Taiwan University Hospital Yunlin Branch, Yunlin, Taiwan
- P1-39** **Comparison of Speech Perception after Cochlear Implantation: Peri- Vs. Postlingual deafness**
Jae Sang Han
Department Otorhinolaryngology-HNS, College of Medicine, The Catholic University of Korea, Seoul, Korea

- P1-40 Preoperative Audio-Visual Speech Perception and Its Effects on Cochlear Implantation Outcome**
Dongchul Cha
Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea
- P1-41 Speech performance in early activation cochlear implant recipients**
Yen Jung Pan
Far Eastern Memorial Hospital, New Taipei City, Taiwan
- P1-42 The assessment of P1 component in children with cochlear implant**
Maojin Liang
Department of Otolaryngology, Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University, Guangzhou, China
- P1-43 Speech Perception and Language Outcome in Deaf Children Receiving CI in the First Year of Life**
Eun-Sil Bang
Department of Otolaryngology-Head and Neck Surgery, College of Medicine, Dong-A University, Busan, Korea
- P1-44 Effect of electrode insertion depth on auditory performance: an otoplan based study**
Christopher De Souza
Holy Family Hospital, Mumbai, India
- P1-45 International Classification of Functioning Disability and Health for Cochlear Implant Outcomes**
Artur Lorens
World Hearing Center, the Institute of Physiology and Pathology of Hearing, Kajetany/Warsaw, Poland
- P1-46 Cochlear Implants in Postlinguals: Why are we still not there?**
Nishita Dinesh Mohandas
P D Hinduja National Hospital & Medical Research Centre, Mumbai, India
- P1-47 Improving performance of unilateral CI users**
Volkmar Hamacher
Advanced Bionics European Research Center, Hannover, Germany
- P1-48 Cochlear Implant in adults with acquired isolated auditory neuropathy**
Anjali Lepcha
Department of ENT, Christian Medical College, Vellore, India
- P1-49 Surgical Issues and Outcomes Following Cochlear Implantation in Otosclerosis: Our Experience**
Sandhya Dharmarajan
Department of Implantation Otology, Madras ENT Research Foundation (P) Ltd, Chennai, India
- P1-50 A National Iranian Cochlear Implant Registry (ICIR)**
Arash Bayat
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran
- P1-51 Short-term experience of slim modiolar electrode cochlear implantation**
Jin Taek Park
Department of Otolaryngology and Head and Neck Surgery, Asan Medical Center, Seoul, Korea
- P1-52 Categories of Auditory Performance II (CAP II) Score Evaluation Post Cochlear Implant**
Zulfikar Naftali
Faculty of Medicine University of Diponegoro, Semarang, Indonesia
- P1-53 A comparison of time spent in noise for children with hearing loss in urban vs rural settings**
Neelam Vaid
Big Ears, KEM Hospital, Pune, India

- P1-54 The impact of preoperative hearing aid effect on adult cochlear implant outcomes**
Shuji Izumi
Department of Otolaryngology Head and Neck Surgery, Niigata University, Niigata, Japan
- P1-55 Cochlear implantation after bromate intoxication-induced bilateral deafness**
Sung-Won Choi
Department of Otolaryngology and Head and Neck Surgery, Pusan National University School of Medicine, Busan, Korea
- P1-56 The comparison of speech production ability between children with CIs and NH**
Ji Hye Kang
Center for Communication Access for All, Cheonan, Korea
- P1-57 Temporal resolution in CI users-Effect of altering electrical stimulation rate on the performance-**
Kei Sakamoto
Department of Otorhinolaryngology, Saitama Medical University Hospital, Iruma-gun, Japan
- P1-58 Impact of CI: from the viewpoint of postlingually deafened adult CI recipients**
Zhen Su
Zhejiang Nurotron Biotechnology Co., Ltd, Hangzhou, China
- P1-59 Facilitating Factors for Age-Appropriate Language Performance: A Discriminant Function Analysis**
Yi-ping Chang
Speech and Hearing Science Research Institute, Children's Hearing Foundation, Taipei, Taiwan
- P1-60 Improvement of speech understanding after upgrade of sound processor in cochlear implanted patients**
Sebastian Cozma
Department of Otorhinolaryngology, Faculty of Medicine, Grigore T. Popa University of Medicine, Iasi, Romania
- P1-61 Our Experience of More than 300 Cochlear Implants in North India**
Rohit Mehrotra
GSVM Medical College, Kanpur, India
- P1-62 Etiological Analysis of 129 Cases of Cochlear Implantations**
WeiJu Han
Department of Otolaryngology Head and Neck Surgery Chinese PLA General Hospital, Beijing, China
- P1-63 The Strategic Management of 170 children with Single Sided Hearing Loss**
Phillip Chang
The Shepherd Centre, Sydney, Australia
- P1-64 Semantic Development in Elementary School-Age Hearing Impaired Children with CIs and/or Hearing Aids**
Deena Wechsler-Kashi
Department of Communication Sciences and Disorders, Ono Academic College, Kiryat Ono, Israel

Poster Room 2 (Aozora)

16:00-18:00 **Poster 2**

CI Surgery

- P2-01 Effect of surgery insertion method on residual hearing after cochlear implant insertion**
Mohammad Jafari
Hamadan University of Medical Sciences, Hearing Disorders Research Center, Hamadan, Iran
- P2-02 Amplification of Low frequency residual hearing in early simultaneous bilateral cochlear implantees**
Jae Young Choi
Yonsei University College of Medicine, Seoul, Korea
- P2-03 Electro-Natural Stimulation in partial deafness treatment - paediatric case series**
Piotr H. Skarzynski
Institute of Physiology and Pathology of Hearing, Warsaw, Poland
- P2-04 Benefit of hearing preservation during cochlear implantation in patients with OMAAV**
Takeshi Nakamura
Department of Otolaryngology, Head and Neck Surgery, Faculty of Medicine, University of Miyazaki, Miyazaki, Japan
- P2-05 Cochlear Implantation Guided by Intraoperative CT in Patients with Challenging Cochlear Anatomy**
Zhaobing Qin
Department of Otolaryngology, The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China
- P2-06 Research progress on the effect of cochlear implantation in children with cochlear never deficiency**
Jing Xie
Department of Otolaryngology and Head and Neck Surgery, Tongren Hospital, Capital Medical University, Beijing, China
- P2-07 Simultaneous Cochlear Implantation and Subtotal Petrosectomy in Patient with Chronic Otitis Media**
Seokhwan Lee
Department of Otorhinolaryngology and Biomedical Research Institute, Pusan National University Hospital, Busan, Korea
- P2-08 A procedure of simultaneous bilateral cochlear implantation in Tokyo medical university**
Yoko Ohta
Tokyo Medical University, Tokyo, Japan
- P2-09 Difficulties in cochlear implant surgery**
Nacim Ait Mesbah
ENT Department Bachir Mentouri Hospital, Algiers, Algeria
- P2-10 The utility of a surgical planning software to guide cochlear implant (CI) electrode length choice**
Saif Al-Zahid
Ear Science Institute Australia, Perth, Australia
- P2-11 Long-term Follow-Up Result of Subtotal Petrosectomy in Cochlear Implantee with Chronic Otitis Media**
Hamzah Alshaikh
Department of Otorhinolaryngology, College of Medicine, The Catholic University of Korea, Seoul, Korea

- P2-12 Round window membrane vs promontory electrical stimulation EABR in cochlear implantation**
Junge Zhang
Department of Otolaryngology-Head and Neck Surgery, The First Affiliated Hospital of University of USTC, Division of Life Sciences and Medicine, University of Sciences and Technology of China, Hefei, China
- P2-13 Management of surgical difficulties during cochlear implantation with inner ear anomalies**
Zirong Huo
Department of Otolaryngology, Head and Neck Surgery, Shanghai Ninth People Hospital, Affiliated to Shanghai Jiaotong University School of Medicine, Shanghai, China
- P2-14 Cochlear Implantation in Bilateral Profound Deafness after Head Trauma**
Mohamed Magued Mashaly
Cochlear Implant Center, Faculty of Medicine, Cairo University, Cairo, Egypt
- P2-15 Intracochlear pressure changes during cochlear implantation with the 'pullback' technique**
Philipp Mittmann
Unfallkrankenhaus, Berlin, Germany
- P2-16 Transmeatal Endoscopic Cochlear Implantation in Multiple Ear Deformities: A Case Report**
Yi-Lu Li
Department of Otolaryngology, NCKUH, College of Medicine, National Cheng Kung University, Tainan, Taiwan
- P2-17 Minimal mastoidectomy required for cochlear implant through facial recess approach**
Jingwu Sun
Department of Otolaryngology-Head and Neck Surgery, The First Affiliated Hospital of USTC, Hefei, China
- P2-18 Withdrawn**
- P2-19 Effect of early electrode impedance changes in cochlear implants using underwater technology**
Junge Zhang
Department of Otolaryngology-Head and Neck Surgery, The First Affiliated Hospital of University of Sciences, Hefei, China
- P2-20 Cochlear implantation in children with CHARGE syndrome: a report of four cases**
Ying Lin
First Affiliated Hospital, Air Force Medical University, Xi'an, China
- P2-21 Minimal incision cochlear implantation: is it the future**
Munish Kumar Saroch
Dr. Rajender parshad Govt. Medical College Kangra At Tanda HP India, Kangra, India
- P2-22 Management of surgical difficulties during cochlear implant with inner ear anomalies**
Ahmad M Aldhafeeri
Hafr Albaten Central Hospital, Hafr Albaten, Saudia Arabia
- P2-23 The application of cochlear implants in Cochlear Otosclerosis**
Chufeng He
Department of Otolaryngology and Head and Neck Surgery, Xiangya Hospital Central South University, Changsha, China
- P2-24 Clinical experience of cochlear implantation in patients with chronic suppurative otitis media**
Yi tao Liu
Department of Otolaryngology Head and Neck Surgery, Tongren Hospital, Capital Medical University, Beijing, China

P2-25 Bilateral sensorineural deafness with unilateral cochlear ossification in chronic myeloid leukemia

Xianhai Zeng

Department of Otolaryngology, Longgang E.N.T. Hospital, Shenzhen Key Laboratory of E.N.T. Institute, Shenzhen, China

P2-26 Round window bilateral simultaneous cochlear implantation under 12 months surgical considerations

Jafri Kuthubutheen

Department of Otolaryngology Head and Neck Surgery, Perth Children's Hospital, Perth, Australia

P2-27 Surgical approach in Cochlea malformations

Bayya Srinivasa Rao

Bayya Ent & Cochlear Implant Centre, Guntur, India

P2-28 Cochlear implantation in ossification cases and obliteration length measurement

Vladislav Kuzovkov

Saint Petersburg Research Institute of Ear, Nose, Throat and Speech, Saint Petersburg, Russia

P2-29 Combined microscopic-endoscopic technique for CI case with anteriorly positioned facial nerve

Chin-Kuo Chen

Department of Otolaryngology - Head & Neck Surgery Chang Gung Memorial Hospital, Linko Medical Center, Taoyuan, Taiwan

P2-30 Active exposure of the facial nerve and chorda tympani nerve to improve the safety of CI

Ling Lu

Department of Otorhinolaryngology and Head and Neck Surgery, Affiliated Drum Tower Hospital of Nanjing University Medical School, Nanjing, China

P2-31 Endoscope-assisted cochlear implantation in patients with middle ear disease

Tsukasa Ito

Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine, Yamagata, Japan

P2-32 Revision surgery in Cochlear implantation

Shankar Medikeri

Medikeri Super Speciality ENT Center, Bangalore, India

P2-33 Cochlear implantation outcomes in cases of cochlear malformations

Khassan Diab

Ear Diseases Department of Federal Scientific and Clinical Center of Otorhinolaryngology(FSCCO) FMBA, Moscow, Russia

P2-34 CT observation on implanted cochlear electrodes in patient with Mondini inner ear malformation

Lei Liu

The First Affiliated Hospital of Guangxi Medical University, Nanning, China

P2-35 Surgical & Audiological Management of Cochlear Implant in Chronic Otitis Media

Wan Fazlina Wan Hashim

Hospital Canselor Tuanku Muhriz, UKM Medical Centre, Kuala Lumpur, Malaysia

P2-36 Features of cochlear implantation in patients with cochlea pathology

Khassan Diab

Scientific and Clinical Center of Otorhinolaryngology, Moscow, Russia

P2-37 An approach to round window by limited posterior mobilization of mastoid segment of facial nerve

Shabbir Tasadduquehusain Indorewala

Indorewala ENT Hospital, Nashik, India

P2-38 Surgical Approach- Malformed Cochlea's

Bayya Sudhir
Bayya Ent & Cochlear Implant Centre, Guntur, India

P2-39 Experience of Lazy-S Skin Incision and L-Shaped Periosteal Incision in Cochlear Implantation

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

P2-40 Simultaneous subtotal petrosectomy, fistula repair & CI in patients with cochlear fistula

Ilyoung Cho
Pusan National University Hospital, Busan, Korea

P2-41 Individual Solutions in Cochlear Implantation: one step closer

Eugen Horatiu Stefanescu
ENT Department, Victor Babes University of Medicine and Pharmacy, Timisoara, Romania

P2-42 Cochlear Implant On Infected Middle Ear: How Can Do As Simultaneously?

Soekirman Soekin
Proklamasi ENT HNS Institute, Jakarta, Indonesia

P2-43 How can we improve cochlear implantation accessibility for different patient groups?

Vladislav 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

P2-63

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

P2-64

Dysplasie of the hearing nerve and Cochlear Implant in children

Anke Lesinski-Schiedat

ENT Clinic & DHZ Medical University Hannover, Hannover, Germany

P2-65

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 Jiaotong University School of Medicine, Shanghai, China

P2-66

Surgical Outcomes of Cochlear Implantation with Concurrent Subtotal Petrosectomy

Jong Bin Lee

Department of Otorhinolaryngology, Head and Neck Surgery, College of Medicine, Konyang Univeristy, Daejeon, Korea

November 27 (Wed)

November 28 (Thur)

November 29 (Fri)

November 30 (Sat)

Poster Room 3 (Asahi)

16:00-18:00 **Poster 3**

Basic Research

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

16:00-18:00 **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 Almuhawwas

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*

November 27 (Wed)

November 28 (Thur)

November 29 (Fri)

November 30 (Sat)

13:00-14:30 **Symposium 11**

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

Room 2 (Nishiki)

November 27 (Wed)

November 28 (Thur)

November 29 (Fri)

November 30 (Sat)

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

SY12-4 **Intraoperative monitoring in cochlear implantation to improve residual hearing**

Stephen J O'Leary

The University of Melbourne, Victoria, Australia

SY12-5 **Electrically evoked auditory brainstem response as a predictable parameter of CI outcomes**

Seung Ha Oh

Department of Otolaryngology and Head and Neck Surgery, Seoul National University College of Medicine, Seoul, Korea

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

Sponsor: MED-EL Medical Electronics

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。

12:00-12:50 **Luncheon Seminar 4**

Sponsor: RION Co., Ltd

Moderator: Michihiko Sone, *Japan*

LS4

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

Hiroshi Hosoi

Nara Medical University, Nara, Japan

13:00-13:40 **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～**

諏訪 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 勝美
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

November 27 (Wed)

November 28 (Thur)

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Room 3 (Hana C)

8:00-9:00

Paper 10

Diagnosis: 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-Headand 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

13:00-14:30 **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

14:45-16:15 **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

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SY15-7 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)

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8:00-9:00

Paper 11

Audiological Examination

Moderators: Yoshihiro Noguchi, *Japan*
Rebecca Heywood, *Singapore*

O11-1 The effect of pulse polarity on neural response of auditory nerve in children with gene mutations

Jianfen Luo
Department of Otolaryngology Head and Neck Surgery, Shandong Provincial ENT Hospital, Jinan, China

O11-2 Auditory Brainstem Response vs Auditory Steady-State Response for the Evaluation of Adult Deafness

Yong-Hwi An
Department of Otorhinolaryngology-Head and Neck Surgery, Eulji University, Eulji Medical Center, Seoul, Korea

O11-3 Early Prelingual Auditory Development in Infants and Toddlers with Unilateral Hearing Loss

Fengling Yang
Department of Otorhinolaryngology Head & Neck Surgery, West China Hospital, Sichuan University, Chengdu, China

O11-4 Development of Urdu Phonetically Balanced Paragraph for Diagnosis of Hearing and Speech Disorders

Soabah Wasim
Speech and Language Pathology Department, FRAHS, Riphah International University, Islamabad, Pakistan

O11-5 Loudness Discomfort Level Test for Hyperacusis: Test-Retest Reliability and its Clinical Value

Jaclyn Leigh E Vidal
Department of Otolaryngology-HNS, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea

O11-6 Utility of the digits in noise test in a multilingual Asian population: a population based study

Sandra R Bellekom
Ear Science Institute Australia & Ear Sciences Centre, Medical School, The University of Western Australia, Perth, Australia

9:00-10:15

Symposium 17

Electrode Positioning

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

SY17-1 The angle of insertion according to the different surgical access in cochlear implantation

Jong Woo Chung
Department of ORL-HNS, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

SY17-2 Electrode Choice In Inner Ear Malformations

Levent Sennaroglu
Department of Otolaryngology, Hacettepe University Medical Faculty, Ankara, Turkey

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

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*

SY19-1 MRI and hearing implants

Todt Ingo
Bielefeld University, Bielefeld, Germany

SY19-2 Performance of Implanted Bone Conducted Hearing Devices in Bilateral Congenital Microtia

Tian-Yu Zhang
Eye & ENT Hospital of Fudan University, Shanghai, China

SY19-3 Surgical Experience of Combined intervention EAC reconstruction and Baha® Attract Implantation

Li Yun
Hearing Center, Ninth People's Hospital, Shanghai Jiaotong University School of Medicine, Ear Institute, Shanghai, China

SY19-4 Functional rehabilitation in congenital aural atresia

John Martin Hempel
Ludwig-Maximilians University Munich, Department Otorhinolaryngology, Head and Neck Surgery, Munich, Germany

SY19-5 Bonebridge Surgery in Young Children

Jafri Kuthubutheen
Department of Otolaryngology Head and Neck Surgery, Perth Childrens Hospital, Perth, Australia

SY19-6 Clinical Benefit of the Bonebridge in SSD: Multi-Center Study Results after 24-Month Follow-Up

Marco Caversaccio
Department of ORL, Head and Neck Surgery, University Hospital Bern, Bern, Switzerland

SY19-7 Surgical Considerations for Implantation of a New OSI system in Children

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

16:35-18:05 **Symposium 20**

Management of Difficult Case 2

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

SY20-1 Long term outcomes of Cochlear Implantation in Ten Irradiated ears of Nasopharyngeal Carcinoma

Peina Wu
Guangdong Provincial People's Hospital, Guangdong Academy of Medical Sciences, Guangzhou, China

SY20-2 Cochlear implantation in post-irradiated ears: A case-control comparative study

Kammy Ngan-kam Yeung
Department of Otolaryngology, Head and Neck Surgery, The Chinese University of Hong Kong, Hong Kong, China

SY20-3 Cochlear Implantation in Post-Irradiation Nasopharyngeal Carcinoma Patients

Vanessa Chan
Audiology Centre, Department of ENT, Queen Elizabeth Hospital, Hong Kong, China

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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

Room 5 (Grace)

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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

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

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 ORL-HNS, Faculty of Medicine & Health Sciences, University Malaysia Sarawak, Kuching, Malaysia

November 27 (Wed)

November 28 (Thur)

November 29 (Fri)

November 30 (Sat)

Poster Room 1 (Akebono)

16:00-18:00 **Poster 6**

CI Outcome 2

P6-01 Suprameatal cochlear implantation in a patient with CHARGE syndrome

Shunsuke Kondo

Department of Otolaryngology and Head and 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

P6-11 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

P6-12 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

- P6-13 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
- P6-14 Cochlear Implantation in patients with *CDH23* mutations**
Aki Sakata
Kanto Central Hospital, Tokyo, Japan
- P6-15 microRNA Profiling in the Human Inner Ear Perilymph of Cochlear Implant Patients**
Hinrich Staecker
University of Kansas Health System, Kansas City, USA
- P6-16 Association between genotype and the extent of hearing impairment in patients with *GJB2* mutations**
Misaki Sekiguchi
Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan
- P6-17 Cochlear implantation in patients with mitochondrial sensorineural hearing loss**
Sachie Kawaguchi
Department of Otolaryngolog, Yokohama Asahi Chuo General Hospital, Yokohama, Japan
- P6-18 Long-term results of cochlear implantation for hearing loss with mitochondrial gene mutations**
Kai Kanemoto
Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan
- P6-19 Does Waardenburg syndrome interfere with cochlear implant rehabilitation?**
Zahra Ajalloueyan
Baqiyatallah Medical University ENT Department, Tehran, Iran
- P6-20 12 months post operation results for speech perception after CI**
Kazem Zarei
Fars CI Center, Shiraz, Iran
- P6-21 Bimodal fitting vs. bilateral implantation: A Longitudinal Evaluation**
Yi-ping Chang
Speech and Hearing Science Research Institute, Children's Hearing Foundation, Taipei, Taiwan
- P6-22 Comprehensive and expressive vocabulary ability in children with cochlear implants**
Cuncun Ren
Department of Otolaryngology, Xijing Hospital, Xi an, China
- P6-23 Overview of 5-year Follow-up Outcomes in Cochlear-Implanted Patients of west of Iran**
Elnaz Shariatpanahi
Hamadan University of Medical Sciences, Besat Cochlear Implant Center, Hamadan, Iran
- P6-24 The employment effect of cochlear implantation in severely to profound deaf adults**
Christopher Raine
Yorkshire Auditory Implant Service, Bradford, UK
- P6-25 Long-term change in the speech perception in pediatric cochlear implants and the effect of the age**
Jiwon Seo
Department of Otorhinolaryngology-Head and Neck Surgery, Samsung Changwon Hospital, Changwon, Korea
- P6-26 Health Related Quality of Life improvement after cochlear implantation**
Anita Obrycka
World Hearing Center, Institute of Physiology and Pathology of Hearing, Warsaw, Poland

- 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 Liao
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 Otolaryngology, 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**
Tailien 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, Shandong Provincial ENT Hospital, Jinan, China
- P6-50 Optimizing the benefit of cochlear implant processors for mobility and leisure activities**
Andreanne Sharp
Ecole d'orthophonie et d'audiologie, Universite de Montreal, 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**
Angela Liew
Ear Science Institute Australia, Perth, Australia
- P7-02** **The geographic distribution of Iran cochlear implant centers**
Hamidreza Khesali
Ministry of Health and Medical Education, Tehran, Iran
- P7-03** **Research on establishment of rehabilitation service system for hearing-impaired children in Anqing**
Yajing Xing
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**
Yujia Zhang
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?**
Sumit Mrig
Sankalp ENT & Cochlear Implant Centre, New Delhi, India
- P7-06** **A Questionnaire to examine the awareness of cochlear implants amongst HI adults in India**
Aninda Dutti Banik
Advanced Bionics India Pvt Ltd, Mumbai, India
- P7-07** **Key areas emphasized by professionals during information delivery to parents of hearing loss child**
Deepashini Harithasan
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**
Te-Yung Fang
Department of Otolaryngology, Sijhih Cathay General Hospital, New Taipei City, Taiwan

November 27 (Wed)

November 28 (Thur)

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Poster Room 2 (Aozora)

16:00-18:00 **Poster 8**

Diagnosis

P8-01 Cochlear implantation in children with X-linked deafness: a case report

Messaoudi Karim
University of Ouargla, Ouargla, Algeria

P8-02 Prevalence of Congenital Hearing Loss and 35delG/GJB2 Mutation in Oltenia Region, Romania

Florin Anghelina
University of Medicine and Pharmacy of Craiova, Craiova, Romania

P8-03 Kid Syndrome: A Case Report

Karim Messaoudi
The University of Ouargla, Faculty of Medecine, Ouargla, Algeria

P8-04 Identification of a novel CDH23 gene variant in a Chinese deafness family

Ying Chen
Department of ENT 9th People's Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China

P8-05 Hearing Progression research on GJB2-associated hearing loss children

Cheng Wen
Beijing Tongren Hospital, Capital Medical University, Beijing, China

P8-06 Evaluation of metabolism in patients with connexin 26 gene (GJB2) mutations

Satoko Yoshikawa
Yamato-University, Osaka, Japan

P8-07 Nationwide analysis of infants' hearing detection and intervention status in South Korea

Su-Kyoung Park
Department of Otorhinolaryngology-Head and Neck Surgery, Hallym University College of Medicine, Seoul, Korea

P8-08 Establishment of a comprehensive medical service network for children's hearing loss in Miyazaki

Miho Shirane
Department of Otorhinolaryngology-Head and Neck Surgery, University of Miyazaki, Miyazaki, Japan

P8-09 Effect of Universal Newborn Hearing Screening on Age of Cochlear Implantation

Jason L Hollowell
Shizuoka Prefectural General Hospital, Shizuoka, Japan

P8-10 Intrauterine hearing screening, our early experience

Rohit Mehrotra
GSVM Medical College, Kanpur, India

P8-11 Prelingually Deaf children, why would they present late?!

Yazeed Ali Alshaw
King Abdullah Ear Specialist Center (KAESC), Riyadh, Saudi Arabia

P8-12 Current status of universal newborn hearing screening at 26 institutions in China

Lihui Huang
Department of Otolaryngology and Head and Neck Surgery, Beijing Tongren Hospital, Beijing, China

P8-13 Impact of Newborn Hearing Screening on auditory and language outcomes in paediatric cochlear implant

Ida L Amir
Department of ORL, Christchurch Hospital, Christchurch, New Zealand

- 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 Deaprtment 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

Poster Room 2 (Aozora)

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, Mita 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

P9-25 Deafness in malformations is successfully treated by ABI in Prelingually Deaf Children

Robert Behr

Department of Neurosurgery, Fulda, Germany

P9-26 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

P9-27 Withdrawn

P9-28 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

P9-29 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

P9-30 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

P9-31 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

P9-32 Hearing benefit in children and adults with an ADHEAR compared to an existing bone conduction device

Roberta Marino

Fiona Stanley Hospital, Murdoch, Australia

P9-33 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

P9-34 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

P9-35 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

Poster Room 3 (Asahi)

16:00-18:00 **Poster 10**

Audiology/Education

- 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 Electrophysiology 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

November 27 (Wed)

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- 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 Ariaifar
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' perspectives 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. Chandrashekar 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 Dutti 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 27 (Wed)

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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 Hanm 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**

Room 2 (Nishiki)

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

桎尾 明憲
東京大学大学院医学研究科耳鼻咽喉科・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。

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難聴支援センター*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）

井脇 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 信哉

*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*

Room 3 (Hana C)

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 University, 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

Moderators: Katsumi Doi, *Japan*

Koitschev Assen, *Germany*

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

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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

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 l'audition, 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

November 27 (Wed)

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November 29 (Fri)

November 30 (Sat)

Room 5 (Grace)

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

SY31-4

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*

SY32-1

Why remote practice should be routine practice in hearing implants

Colleen Psarros

Hearing Implants Australia, Darlinghurst, Australia

SY32-2

Online Interactive Services: Group and individual remote rehabilitation programs

Aleisha Davis

The Shepherd Centre, Newtown, Australia

SY32-3

Remote rehabilitation: Russian experience

Inna Koroleva

Saint-Petersburg's Institute of ENT and Speech, Saint-Petersburg, Russia

SY32-4

Remote Rehabilitation: Utilizing Social Media Resources as an Intervention Tool

Rebecca Claridge

MED-EL Medical Electronics, Innsbruck, Austria

SY32-5

CHOICE - Cochlear implant home care. Introducing telemedicine to adults with cochlear implants

Helen Cullington

University of Southampton Auditory Implant Service, Southampton, UK

SY32-6

Better and broader hearing implant care with remote management by surgeons and audiologists

Phillip Chang

Hearing Implants Australia, Sydney, Australia

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