

EEES 2022



Innovations in Ear Surgery
and Hearing Therapeutics

PROGRAM

KYOTO

December 5-8, 2022

ROHM Theatre Kyoto & Miyako Messe

YAMAGATA

December 12-13, 2022

Satellite Symposium Terrsa Hall

Congress Chair

Seiji Kakehata, M.D., Ph.D.

Co-Chairs

Prof. Hiromi Kojima

Prof. Shin-ichi Kanemaru

Prof. Yukiko Iino

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Welcome to the 4th World Congress in Kyoto – EES2022



I am beyond delighted to welcome everyone to the 4th World Congress on Endoscopic Ear Surgery in Kyoto.

Little did I know what trouble laid ahead when I gave a presentation at the 3rd World Congress in Boston in June of 2019 on our planning for the 4th World Congress in Kyoto in April of 2021. By the end of that very same year of 2019, murmurs were being heard around the world about a new virus that may pose a serious threat to health.

This virus, Covid-19, upended life as we know for everyone on planet Earth including our plans in 2021 for the 4th World Congress on EES in Kyoto.

However, despite everything, including multiple moving of dates, the stars finally aligned, and I am thrilled to be able to welcome over 500 attendees from over 40 countries to the 4th World Congress on Endoscopic Ear Surgery.

We have a program packed full of illustrious speakers on endoscopic ear surgery who represent leaders in this now maturing field of otology. I hope that everyone takes this chance to not only learn about the latest developments in EES, but also engage in face-to-face communication with colleagues that has not been possible for the past couple of years but is so important to the fruitful exchange of ideas and future growth.

So please take this opportunity to meet up with old friends, make new acquaintances, and enjoy the historical city of Kyoto as it is bathed in the warm colors of autumn.

So once again, welcome to the 4th World Congress on Endoscopic Ear Surgery in Kyoto!

Chair
Seiji Kakehata MD, PhD



TIME TABLE

| Monday, December 5th | |
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| 1:00 pm | 1:00 pm-6:00 pm Registration Desk Presentation File Reception Desk for Rooms 1 (ROHM Theatre Kyoto) |
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| 4:10 pm | Keynote 06 Chairperson : Aaron Kyle Remenschneider Speaker : Juichi Ito |
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TIME TABLE

| Tuesday, December 6th | | | | | | | |
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| 9:00 am | | | | | | | |
| 9:10 am | Doors open at 9:00 a.m. at Rohm Theater Kyoto | Keynote 14 Chairperson : Tatsuya Yamasoba Speaker : Konstantina Stankovic | | | | | |
| 9:20 am | | | | | | | |
| 9:30 am | | | | | | | |
| 9:40 am | Keynote 04 Chairperson : Mohamed Bahi-El-Dine Speaker : Livio Presutti | (60 min) Panel / Round 03 Basic Research Drug delivery system and endoscope | | | | | |
| 9:50 am | | | | | | | |
| 10:00 am | | | | | | | |
| 10:10 am | Keynote 13 Chairperson : Koichi Omori Speaker : Nirmal Patel | | (60 min) Panel / Round 43 Stapes Risks and Benefits of the Endoscope in Primary Stapes Surgery | (60 min) Panel / Round 21 Extention Transpromontorial approach to the IAC after 8 years: Expert opinions | (60 min) Panel / Round 23 Extention Endoscopic cochlear implantation: Limits and indications | Oral O-01 Cholesteatoma 1 | Oral O-07 Neurotologic Surgery 1 |
| 10:20 am | | | | | | | |
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| 10:50 am | (90 min) Panel / Round 15 Education How to teach endoscopic ear surgery safely | (90 min) Panel / Round 10 Challenging cases Scary cases in otology | (60 min) Panel / Round 45 Surgical Technique Underwater Endoscopic Ear Surgery Techniques | (60 min) Panel / Round 14 Cholesteatoma Radiological assessment and surveillance of cholesteatoma | (60 min) Panel / Round 26 Instrument Use of Novel Disposable Endoscope with Integrated Suction (3NT Colibri) | Oral O-02 Cholesteatoma 2 | Oral O-08 Neurotologic Surgery 2 |
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| 1:40 pm | Keynote 15 Chairperson : Jong Woo Chung Speaker : George Wanna | (90 min) Panel / Round 18 Education Teaching and assessment in Endoscopic Ear Surgery | Instruction course 11 Education Speaker : Alicia Quesnel | Instruction course 01 Cholesteatoma Speaker : Alicia Quesnel | (60 min) Panel / Round 52 miscellaneous Otitis media with ANCA-associated vasculitis-Current Status and Future Challenges | Oral O-03 Cholesteatoma 3 | Oral O-09 Vestibular Schwannoma |
| 1:50 pm | | | | | | | |
| 2:00 pm | | | | | | | |
| 2:10 pm | (60 min) Panel / Round 19 Ergonomics Ergonomics in Ear Surgery | | (60 min) Panel / Round 34 New Technology Middle ear measurement and AI-based diagnosis | (60 min) Panel / Round 11 Cholesteatoma Cholesteatoma - What are the Limits of the Endoscope? | | | |
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| 3:20 pm | Keynote 12 Chairperson : Alejandro Rivas Speaker : Marco Caversaccio | (60 min) JWGEES Session Multicenter Study in Japan | Instruction course 07 Hearing (Stapes / ossicular chain) Speaker : Ignacio Fernandez | Instruction course 12 Education Speaker : Adrian James | (60 min) Panel / Round 06 Challenging cases Endoscopic and microscopic surgery for postoperative ears | Oral O-04 Cholesteatoma 4 | Oral O-10 Surgical Technique 1 |
| 3:30 pm | | | | | | | |
| 3:40 pm | | | | | | | |
| 3:50 pm | (90 min) Panel / Round 33 New Technology Assistive technologies for endoscopic ear surgery | (60 min) Panel / Round 08 Challenging cases Endoscopic Morbidity and Mortality: Complications | (90 min) Panel / Round 44 Stapes Compromised stapes integrity - issues and management | (90 min) Panel / Round 17 Education Pioneering Junior Faculty: The Future of Endoscopic Ear Surgery | | Oral O-05 Cholesteatoma 5 | Oral O-11 Surgical technique 2 |
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| 5:30 pm | | | | (60 min) Panel / Round 16 Education Tips and Tricks for Young Endoscopic Ear Surgeons | | Oral O-06 Cholesteatoma 6 | Oral O-12 Surgical training (Cadavar and model) |
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6:30-7:00 pm Reception
7:00-7:30 pm Panel
discussion on endoscopic
ear surgery with Q&A
7:30-9:00 pm Light food
and networking

TIME TABLE

Wednesday, December 7th

| | Room 1 ROHM Theatre Kyoto Main Hall | Room 2 Miyako Messe 3F 3rd Exhibition Hall | Room 3 Miyako Messe BIF 1st Exhibition Hall (A) | Room 4 Miyako Messe BIF 1st Exhibition Hall (B) | Room 5 Miyako Messe BIF Special Exhibition Hall (A) | Room 6 Miyako Messe BIF Special Exhibition Hall (B) | Room 7 Miyako Messe BIF Large Conference Room | booth Seminar Miyako Messe BIF Welcom Hall | |
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| 9:10 am | | Keynote 07 | | | | | | | |
| 9:20 am | | Chairperson : Michael Cohen Speaker : Kazuhisa Yamamoto | | | | | | | |
| 9:30 am | | | | | | | | | |
| 9:40 am | Keynote 05 | | | | | | | | |
| 9:50 am | Chairperson : Daniel Lee Speaker : Muazz Tarabichi | | | | | | | | |
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| 10:20 am | Keynote 10 | (120 min) | (60 min) | (60 min) | (60 min) | | | | |
| 10:30 am | Chairperson : Haruo Takahashi Speaker : Mohamed Badr-El-Dine | Live Surgery 01 | Panel / Round 27 Instrument | Panel / Round 36 Outcome | Panel / Round 38 Regional | Oral O-13 Anomaly PLF | Oral O-18 Otosclerosis 1 | | |
| 10:40 am | | Chairpersons : Daniele Marchioni / Davide Soloperto Operator : Seiji Kakehata | Optimizing bone removal during endoscopic ear surgery | Research Forum: Future directions for collaborative audit and research in TEES | Innovations in Otology in Japan | | | | |
| 10:50 am | (90 min) | | | | | | | | |
| 11:00 am | Panel / Round 09 | | (60 min) | (60 min) | (60 min) | Oral O-14 External Auditory Canal | Oral O-19 Otosclerosis 2 | | |
| 11:10 am | Challenging cases | | Panel / Round 28 Instrument | Panel / Round 46 Surgical Technique | Panel / Round 39 Regional | | | | |
| 11:20 am | Management of challenging cases in EES | | Technology assessment in endoscopic ear surgery: Present and future | Nuances of EES ossiculoplasty | Regional Update on EES in Spain | | | | |
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| 12:40 pm | | Luncheon Seminar 4 | Luncheon Seminar 5 | Luncheon Seminar 6 | | | | | |
| 12:50 pm | | KARL STORZ Endoscopy Japan K.K. | DAIICHI MEDICAL CO., LTD. | Olympus Marketing, Inc. | | | | | |
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| 1:40 pm | Keynote 16 | (120 min) | Instruction course 02 | Instruction course 14 | (60 min) | | | | |
| 1:50 pm | Chairperson : Alicia Quesnel Speaker : Shin-ichi Kanemaru | Live Surgery 02 | Cholesteatoma | General / Other | Panel / Round 40 | Oral O-15 Hearing Therapeutics 1 | Oral O-20 Otosclerosis 3 | 1:20 pm -1:50 pm | |
| 2:00 pm | (60 min) | Chairpersons : Stephane Ayache / Adrian James Operator : Masaya Uchida | Speaker : Manuela Fina | Speaker : Shingo Murakami | Regional | | | | |
| 2:10 pm | Panel / Round 31 | | (60 min) | (60 min) | Regional Update on EES: Italy | | | | |
| 2:20 pm | New Technology | | Panel / Round 13 | Panel / Round 25 | | | | | |
| 2:30 pm | Tympanic membrane regeneration using the endoscope | | Cholesteatoma | Facial Nerve | | Oral O-16 Hearing Therapeutics 2 | Oral O-21 COVID-19 | | |
| 2:40 pm | | | Recurrent cholesteatoma | Endoscopic Management of Facial nerve palsy | | | | | |
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| 3:20 pm | (60 min) | | Instruction course 03 | Instruction course 09 | (60 min) | Oral O-17 Other 1 | Oral O-22 Other 2 | | |
| 3:30 pm | Panel / Round 01 | Keynote 03 | Cholesteatoma | Hearing (Stapes / ossicular chain) | Endoscopic Ear Challenges: Hear the Experts | (Auditory implant) (pediatrics) (Taste) | | | |
| 3:40 pm | Anatomy | Chairperson : Stephane Ayache Speaker : Per Cayé-Thomasen | Speaker : Daniele Marchioni | Speaker : Brandon Isaacson | | | | | |
| 3:50 pm | Exploration of the attic and supratubal recess | | (90 min) | (90 min) | | | | | |
| 4:00 pm | | | Panel / Round 30 | Panel / Round 47 | Panel / Round 42 | | | | |
| 4:10 pm | | | Malformation | Surgical Technique | Stapes | | | | |
| 4:20 pm | | | Endoscopic Management of Congenital Conductive Hearing Loss | Endoscopic surgery for tympanic membrane perforations | Endoscopic Revision Stapes Surgery | | | | |
| 4:30 pm | (60 min) | Poster Discussion | | | | | | | |
| 4:40 pm | Cadaver Dissection | | | | | | | | |
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Registration
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Presentation File
Reception Desk
for Rooms 2-7
(Miyako Messe)

9:00 am-5:00 pm
Exhibition &
Refreshment
* 8:30 am
Snacks
(Miyako Messe)

9:00 am-5:00 pm
Presentation File
Reception Desk
for Room 1
(ROHM Theatre
Kyoto)

Science of design with Visualization
technology of human sense based
on neuro science
Speaker: Shouich Uratani
Konica Minolta, Inc.

TIME TABLE

| Thursday, December 8th | | | | | | | |
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| Room 1 ROHM Theatre Kyoto Main Hall | Room 2 Miyako Messe 3F 3rd Exhibition Hall | Room 3 Miyako Messe BIF 1st Exhibition Hall (A) | Room 4 Miyako Messe BIF 1st Exhibition Hall (B) | Room 5 Miyako Messe BIF Special Exhibition Hall (A) | Room 6 Miyako Messe BIF Special Exhibition Hall (B) | Room 7 Miyako Messe BIF Large Conference Room | |
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Speaker 1 : Alessia Rubini
Speaker 2 : Davide Soloperto

Speaker 1 : Marco Bonali
Speaker 2 : Davide Soloperto

- **Keynote Lecture 01** Monday, December 5th Room 1 (ROHM Theatre Kyoto) 5:30 - 6:00 p.m.
Chairperson: **Seiji Kakehata**
From the needle otoscope to another tympanoscope
Yasuya Nomura
- **Keynote Lecture 02** Monday, December 5th Room 1 (ROHM Theatre Kyoto) 6:00 - 6:30 p.m.
Chairperson: **Nirmal Patel**
The Future of Ear Surgery is Looking Up; Heads Up Surgery with the Endoscope and Exoscope
Seiji Kakehata
- **Keynote Lecture 03** Wednesday, December 7th Room 2 (Miyako Messe) 3:30 - 4:00 p.m.
Chairperson: **Stephane Ayache**
Benefits of endoscopes in retro- and translabyrinthine skull base surgery
Per Cayé-Thomasen
- **Keynote Lecture 04** Tuesday, December 6th Room 1 (ROHM Theatre Kyoto) 9:30 - 10:00 a.m.
Chairperson: **Mohamed Badr-El-Dine**
EES: past, present and future
Livio Presutti
- **Keynote Lecture 05** Wednesday, December 7th Room 1 (ROHM Theatre Kyoto) 9:30 - 10:00 a.m.
Chairperson: **Daniel Lee**
Endoscopic Insights into the Eustachian Tube
Muaaz Tarabichi
- **Keynote Lecture 06** Monday, December 5th Room 1 (ROHM Theatre Kyoto) 4:00 - 4:30 p.m.
Chairperson: **Aaron Kyle Remenschneider**
Regeneration of cochlea. Cell transplantation? Artificial cochlea?
Juichi Ito
- **Keynote Lecture 07** Wednesday, December 7th Room 2 (Miyako Messe) 9:00 - 9:30 a.m.
Chairperson: **Michael Cohen**
Development of innovative treatment for middle ear mucosal regeneration by cell sheet technologies
Kazuhisa Yamamoto
- **Keynote Lecture 08** Thursday, December 8th Room 1 (ROHM Theatre Kyoto) 1:30 - 2:00 p.m.
Chairperson: **Adrian James**
When and how to intervene in atelectatic eardrum and adhesive otitis media in children
Yukiko Iino
- **Keynote Lecture 09** Thursday, December 8th Room 1 (ROHM Theatre Kyoto) 10:10 - 10:40 a.m.
Chairperson: **In Seok Moon**
The endoscope in lateral skull base surgery
Daniele Marchioni
- **Keynote Lecture 10** Wednesday, December 7th Room 1 (ROHM Theatre Kyoto) 10:10 - 10:40 a.m.
Chairperson: **Haruo Takahashi**
IWGEES address: Endoscopic Ear Surgery Today: A Myth or Reality?
Mohamed Badr-El-Dine
- **Keynote Lecture 11** Thursday, December 8th Room 1 (ROHM Theatre Kyoto) 9:30 - 10:00 a.m.
Chairperson: **Arun Iyer**
How Endoscopic Ear Surgery Changed My Otological Surgical Practice
Manuela Fina

PROGRAM

- **Keynote Lecture 12** Tuesday, December 6th Room 1 (ROHM Theatre Kyoto) 3:10 - 3:40 p.m.
Chairperson: **Alejandro Rivas**
Robots in Ear Surgery
Marco Caversaccio
- **Keynote Lecture 13** Tuesday, December 6th Room 1 (ROHM Theatre Kyoto) 10:10 - 10:40 a.m.
Chairperson: **Koichi Omori**
EES Video - Assessment and Surgical Safety
Nirmal Patel
- **Keynote Lecture 14** Tuesday, December 6th Room 2 (Miyako Messe) 9:00 - 9:30 a.m.
Chairperson: **Tatsuya Yamasoba**
Inner ear imaging / regeneration
Konstantina Stankovic
- **Keynote Lecture 15** Tuesday, December 6th Room 1 (ROHM Theatre Kyoto) 1:30 - 2:00 p.m.
Chairperson: **Jong Woo Chung**
The Use of Exoscope in Ear and Skull base Surgery
George Wanna
- **Keynote Lecture 16** Wednesday, December 7th Room 1 (ROHM Theatre Kyoto) 1:30 - 2:00 p.m.
Chairperson: **Alicia Quesnel**
The Procedure of Tympanic Membrane Regeneration under Endoscopic Ear Surgery
Shin-ichi Kanemaru
- **Instruction course 01 Cholesteatoma** Tuesday, December 6th Room 4 (Miyako Messe) 1:30 - 2:00 p.m.
Use of TEES for primary cholesteatoma
Alicia Quesnel
- **Instruction course 02 Cholesteatoma** Wednesday, December 7th Room 3 (Miyako Messe) 1:30 - 2:00 p.m.
Revision Cholesteatoma Surgery
Manuela Fina
- **Instruction course 03 Cholesteatoma** Wednesday, December 7th Room 3 (Miyako Messe) 3:10 - 3:40 p.m.
Indications, limits and contraindications in endoscopic cholesteatoma surgery
Daniele Marchioni
- **Instruction course 04 Cholesteatoma** Thursday, December 8th Room 3 (Miyako Messe) 1:30 - 2:00 p.m.
Personalized cholesteatoma surgery using non-powered TEES, powered TEES, or the dual approach
Tsukasa Ito
- **Instruction course 05 Lateral Skull base** Thursday, December 8th Room 2 (Miyako Messe) 1:30 - 2:00 p.m.
Transpromontorial endoscopic internal auditory canal surgery: step- by-step procedure
Livio Presutti
- **Instruction course 06 Lateral Skull base** Thursday, December 8th Room 3 (Miyako Messe) 3:00 - 3:30 p.m.
Endoscopic Facial nerve Surgery
Marco Bonali
Davide Soloperto
- **Instruction course 07 Hearing (Stapes / ossicular chain)** Tuesday, December 6th Room 3 (Miyako Messe) 3:10 - 3:40 p.m.
Endoscopic stapes surgery
Ignacio Fernandez

● **Instruction course 08** Hearing (Stapes / ossicular chain)

Thursday, December 8th Room 4 (Miyako Messe) 3:00 - 3:30 p.m.

Endoscopic Ossiculoplasty

Matteo Fermi

● **Instruction course 09** Hearing (Stapes / ossicular chain)

Wednesday, December 7th Room 4 (Miyako Messe) 3:10 - 3:40 p.m.

Endoscopic Ossiculoplasty in children and adults: technique and outcome

Brandon Isaacson

● **Instruction course 10** Tympanoplasty / Myringoplasty

Thursday, December 8th Room 4 (Miyako Messe) 1:30 - 2:00 p.m.

Endoscopic Tympanoplasty: step-by-step procedure

Alessia Rubini

Davide Soloperto

● **Instruction course 11** Education

Tuesday, December 6th Room 3 (Miyako Messe) 1:30 - 2:00 p.m.

Appropriate procedure of palpating ossicles model

Sho Kanzaki

Takuji Koike

Yuuka Irie

● **Instruction course 12** Education

Tuesday, December 6th Room 4 (Miyako Messe) 3:10 - 3:40 p.m.

EES for beginners - tips and hints

Adrian James

● **Instruction course 13** General / Other

Thursday, December 8th Room 2 (Miyako Messe) 9:00 - 9:30 p.m.

Balloon Dilation of the Cartilaginous Eustachian Tube

Dennis Poe

● **Instruction course 14** General / Other

Wednesday, December 7th Room 4 (Miyako Messe) 1:30 - 2:00 p.m.

Facial nerve decompression

Shingo Murakami

● **Panel Discussion / Round Table 01** Anatomy

Exploration of the attic and supratubal recess

Wednesday, December 7th Room 1 (ROHM Theatre Kyoto) 3:10 - 4:10 p.m.

Chairperson: **Jong Woo Chung**

Moderator: **Nirmal Patel**

An open type of congenital cholesteatoma in the attic

Nirmal Patel

A case of a small encephalocele in the tegmen tympani

Nicholas Jufas

Anatomical variation of chorda tympani nerve

Kunio Mizutari

Histological anatomy of the middle ear, especially the protympanum, supratubal recess, and chorda tympani

Shin-ichi Haginomori

Cholesterol granuloma of the anterior attic presenting facial twitching

Jong Woo Chung

● Panel Discussion / Round Table 02 & 04 Basic Research

From otopathology to new therapy: Where we are and What do we need?

Monday, December 5th Room 1 (ROHM Theatre Kyoto) 2:00 - 4:00 p.m.

Chairpersons: **Andreas Eckhard**
Judith Kempfle
Yenfu Cheng
Chieri Hayashi
Masato Fujioka

Moderators: **Daniel Lee**
Andreas Eckhard
Masato Fujioka

Otopathological phenotype variation in presbycusis

Felipe Santos

Identifying candidates for inner ear regenerative and gene therapies by examining human cochlear pathology

Alicia Quesnel

Towards transcriptomic otopathology - Novelties in human temporal bone research

Andreas Eckhard

Round window anatomy and implications for drug delivery

Ophir Handzel

Development of SPI-1005 for the treatment of hearing loss and tinnitus

Jonathan Kil

Biopharmaceuticals targeting gap junction and hearing loss

Kazusaku Kamiya

● Panel Discussion / Round Table 03 Basic Research

Drug delivery system and endoscope

Tuesday, December 6th Room 2 (Miyako Messe) 9:30 - 10:30 a.m.

Chairperson: **Sho Kanzaki**

Moderator: **Myung-Whan SUH**

Visualization of residual drug/vehicle in the middle ear with real-time NIR fluorescence imaging

Myung-Whan SUH

Future DDS for hair cell regeneration: Stepwise process of hair cell regeneration in chick cochlea

Mami Matsunaga

Comparison of Drug Availability in the Inner Ear after systemic and local administration

Yang Li

Drug delivery and endoscope

Sho Kanzaki

● Panel Discussion / Round Table 05 Challenging cases

Endoscopic treatment of middle ear tumors

Tuesday, December 6th Room 5 (Miyako Messe) 3:40 - 4:40 p.m.

Chairperson: **Ignacio Fernandez**

Moderator: **Brandon Isaacson**

Endoscopic management of Cholesterol Granuloma

Brandon Isaacson

Endoscopic Management of Tympanic Facial Nerve Hemangioma

George Wanna

Endoscopic Management of Middle ear Adenoma

Alejandro Rivas

Endoscopic Management of Glomus Tympanicum

Walter Kutz

● **Panel Discussion / Round Table 06** Challenging cases
Endoscopic and microscopic surgery for postoperative ears

Tuesday, December 6th Room 5 (Miyako Messe) 2:40 - 3:40 p.m.

Chairperson: **Yukiko Iino**

Moderator: **Marco Bonali**

Percutaneous EES and its indication for postoperative ears

Masaya Uchida

Transcanal endoscopic ear surgery in postoperative ears with conductive hearing loss

Hisashi Sugimoto

Recurrent cholesteatoma: the Modena experience

Matteo Alicandri-Ciufelli

● **Panel Discussion / Round Table 07** Challenging cases
Pediatric Cholesteatoma Tips and Tricks for difficult cases

Thursday, December 8th Room 1 (ROHM Theatre Kyoto) 2:00 - 3:00 p.m.

Chairperson: **Michael Cohen**

Moderator: **Stephen Hoff**

Panelists: **Jose Carlos Casqueiro**

Christen Caloway

● **Panel Discussion / Round Table 08** Challenging cases
Endoscopic Morbidity and Mortality: Complications

Tuesday, December 6th Room 2 (Miyako Messe) 4:10 - 5:10 p.m.

Chairperson: **Mohamed Badr-El-Dine**

Moderator: **Matteo Alicandri-Ciufelli**

Panelists: **Daniele Marchioni**

Livio Presutti

Stephen Hoff

Nirmal Patel

● **Panel Discussion / Round Table 09** Challenging cases
Management of challenging cases in EES

Wednesday, December 7th Room 1 (ROHM Theatre Kyoto) 10:40 - 12:10 p.m.

Chairperson: **Alicia Quesnel**

Moderator: **Nirmal Patel**

Endoscopic management of Middle Ear Cholesteatoma with LSC

Domenico Villari

Cholesteatoma in the Oval Window and in Other Critical Areas

Manuela Fina

Exclusive Endoscopic Surgery for Retraction Pocket in Challenging areas

Hassan Chelly

● **Panel Discussion / Round Table 10** Challenging cases
Scary cases in otology

Tuesday, December 6th Room 2 (Miyako Messe) 10:40 - 12:10 p.m.

Chairperson: **Davide Soloperto**

Moderator: **Jong Woo Chung**

Open type cholesteatoma- What I did wrong and how to do better

Michael Cohen

Thick footplate. How to make a fenestration?

Jong Woo Chung

Scary facial nerve anatomy

Davide Soloperto

Abberant course of facial nerve carotid artery in middle ear

In Seok Moon

● Panel Discussion / Round Table 11 Cholesteatoma

Cholesteatoma - What are the Limits of the Endoscope?

Tuesday, December 6th Room 4 (Miyako Messe) 2:00 - 3:00 p.m.

Chairperson: **Stephane Ayache**

Moderator: **In Seok Moon**

The evolvement of the limits of endoscope in cholesteatoma of our experience

Yong Cui

EES for cholesteatoma: are we pushing the limits?

Jose Carlos Casqueiro

When to convert to open mastoidectomy? Decision making in attic cholesteatoma.

Alex Saxby

No presentation, but join to discussion

Muaaz Tarabichi

● Panel Discussion / Round Table 12 Cholesteatoma

Cholesteatoma staging: Can it guide treatment or predict outcome?

Thursday, December 8th Room 3 (Miyako Messe) 2:00 - 3:00 p.m.

Chairperson: **Domenico Villari**

Moderator: **Adrian James**

JOS system: Results from the nationwide registry in Japan

Tetsuya Tono

EAONO-JOS: Background and Concept of Establishment

Yutaka Yamamoto

Prognostic role of staging systems in endoscopic ear surgery

Domenico Villari

Discussion: What is the future of cholesteatoma staging?

Adrian James

● Panel Discussion / Round Table 13 Cholesteatoma

Recurrent cholesteatoma

Wednesday, December 7th Room 3 (Miyako Messe) 2:00 - 3:00 p.m.

Chairperson: **Davide Soloperto**

Moderator: **Kunio Mizutari**

Early Manifestation of Recurrent Cholesteatoma

Manuela Fina

Recurrence of cholesteatomas in patients with sniff-type patulous Eustachian tube

Taisuke Kobayashi

Patency of anterior epitympanic space and surgical outcomes after endoscopic ear surgery for the attic cholesteatoma

Saki Takihata / Kunio Mizutari

Soft-wall reconstruction: surgical measure to prevent postoperative recurrent cholesteatoma

Haruo Takahashi

Cholesteatoma recurrence :endoscope or microscope?

Davide Soloperto

● Panel Discussion / Round Table 14 Cholesteatoma

Radiological assessment and surveillance of cholesteatoma

Tuesday, December 6th Room 4 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Alex Saxby**

Moderator: **Yutaka Yamamoto**

Surveillance of cholesteatoma with CT-MRI Fusion imaging

Alex Saxby

The efficacy of CFMI (DWI) for preoperative diagnosis of the extent of cholesteatoma

Takanari Goto

Preoperative prediction by artificial intelligence for mastoid extension in pars flaccida cholesteatoma using temporal bone high-resolution CT

Masahiro Takahashi (Jikei Univ)

Radiological Researches of Middle Ear Cholesteatoma: Conventional HRCT study and Temporal Subtraction CT studies

Akira Baba

● Panel Discussion / Round Table 15 Education

How to teach endoscopic ear surgery safely

Tuesday, December 6th Room 1 (ROHM Theatre Kyoto) 10:40 - 12:10 p.m.

Chairperson: **Wai Tsz Chang**

Moderator: **Lukas Anschuetz**

Lessons not learned in blood are soon forgotten: Making surgery safer through the lessons of aviation
Nicholas Jufas

Heat of endoscopes and potential thermal injuries
Elliott D. Kozin

Role of animal & synthetic models in simulation training in EES
Arun Iyer

An ovine model for endoscopic laser-stapedotomy training and teaching
Sven Beckmann

Introducing EES in developing country of Indonesia
Diana Rosalina

Faster and safer? Performing and learning EES by two hands
Chao-Hui Yang

● Panel Discussion / Round Table 16 Education

Tips and Tricks for Young Endoscopic Ear Surgeons

Tuesday, December 6th Room 4 (Miyako Messe) 5:10 - 6:10 p.m.

Chairperson: **Hajime Koyama**

Moderator: **Divya Chari**

Panelists: **Asitha Jayawardena**

Matthew Partain

Chikako Shinkawa

Nichtima Chayaopas

Deepa Galaiya

● Panel Discussion / Round Table 17 Education

Pioneering Junior Faculty: The Future of Endoscopic Ear Surgery

Tuesday, December 6th Room 4 (Miyako Messe) 3:40 - 5:10 p.m.

Chairperson: **Marco Bonali**

Moderator: **Elliott D. Kozin**

Robotics and Deep Learning: Semi-Autonomous Surgery of the Lateral Temporal Bone
Francis Creighton

Real-time Volume Rendering for Augmented Reality in Endoscopic Ear Surgery
Samuel Barber

Experimental applications of endoscopic ear surgery for inner ear regeneration
Judith Kempfle

Middle Fossa Surgery using the Endoscope
Divya Chari

Transcanal Access to the Mastoid and Lateral Skull Base
Wai Tsz Chang

● Panel Discussion / Round Table 18 Education

Teaching and assessment in Endoscopic Ear Surgery

Tuesday, December 6th Room 2 (Miyako Messe) 1:30 - 3:00 p.m.

Chairperson: **Nirmal Patel**

Moderator: **Kishiko Sunami**

Resources, Model Systems, and Pearls for Teaching Endoscopic Ear Surgery
Alicia Quesnel

Teaching Advantages in Endoscopic Ear Surgery Among Medical Students
Justin Golub

Are you sure that surgeon is competent? How do we know?
Jonathan Kong

Video learning of ear surgery impact of visualization technique
Lukas Anschuetz

Competency Assessment
Nirmal Patel

● Panel Discussion / Round Table 19 Ergonomics

Ergonomics in Ear Surgery

Tuesday, December 6th Room 1 (ROHM Theatre Kyoto) 2:00 - 3:00 p.m.

Chairperson: **Maura Cosetti**

Moderator: **Takeshi Tsutsumi**

Panelists: **Elliott D. Kozin**

Deepa Galaiya

Yoshiyuki Kawashima

● Panel Discussion / Round Table 20 Eustachian tube

Sniff-type patulous Eustachian tube in patients with cholesteatoma

Thursday, December 8th Room 3 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Ryokichi Ikeda**

Moderator: **Taisuke Kobayashi**

Overview of Sniff-type patulous Eustachian tube in patients with cholesteatoma

Ryokichi Ikeda

Management of acquired cholesteatoma associated with patulous Eustachian tube

Soo-Keun Kong

A preoperative trial to predict postoperative barometric pressure of the tympanic cavity in sniff-type cholesteatoma

Kunihiro Mizuta

Management of cholesteatoma in patients with sniff-type patulous Eustachian tube; importance for cessation of sniffing

Taisuke Kobayashi

● Panel Discussion / Round Table 21 Extention

Transpromontorial approach to the IAC after 8 years: Expert opinions

Tuesday, December 6th Room 4 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Livio Presutti**

Moderator: **Daniele Marchioni**

Panelists: **In Seok Moon**

George Wanna

Brandon Isaacson

Livio Presutti

● Panel Discussion / Round Table 22 Extention

Usefulness of the Endoscope in Lateral Skull Base Surgery

Thursday, December 8th Room 1 (ROHM Theatre Kyoto) 10:40 - 12:10 p.m.

Chairperson: **Naoki Oishi**

Moderator: **Jose Carlos Casqueiro**

Retrolabyrinthine Approach and Endoscopic Surgery for Vestibular Schwannoma

Naoki Oishi

Endoscopic Surgery for Petrous Apex Lesions

Takeshi Tsutsumi

Endoscopic Transcanal Removal of Vestibular Schwannoma

In Seok Moon

Benefits of Endoscopes in Retro and Translabyrinthine Skull Base Surgery

Per Cayé-Thomasen

Endoscope As an Adjunct Tool in CPA Surgery

Mohamed Badr-El-Dine

● Panel Discussion / Round Table 23 Extention

Endoscopic cochlear implantation: Limits and indications

Tuesday, December 6th Room 5 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Michael Tong**

Moderator: **Domenico Villari**

Introduction and Transcanal Endoscopic CI

Michael Tong

Endoscopic Cochlear Implant in Malformation of inner ear

Davide Soloperto

Endoscopic Cochlear implant in Cochlear ossification

Domenico Villari

● Panel Discussion / Round Table 24 **Extention**

Pushing the Boundaries of Endoscopic Ear Surgery

Thursday, December 8th Room 1 (ROHM Theatre Kyoto) 3:00 - 4:00 p.m.

Chairperson: **Daniel Lee**

Moderator: **Jong Woo Chung**

Transcanal decompression of intratemporal facial Nerve and it's extended application to the lateral skull base

Wai Tsz Chang

The mastoidectomy and lateral wall reconstruction

Yu Matsumoto

Endoscopic transcanal labyrinthectomy for intractable Meniere's disease

Jong Dae Lee

The utility of heads up skull base approaches

Daniel Lee

Easier insertion of endoscope in the ear canal with retainer

Jong Woo Chung

● Panel Discussion / Round Table 25 **Facial Nerve**

Endoscopic Management of Facial nerve palsy

Wednesday, December 7th Room 4 (Miyako Messe) 2:00 - 3:00 p.m.

Chairperson: **Matteo Fermi**

Moderator: **Ryusuke Hori**

Transcanal endoscopic decompression of facial nerve in blunt temporal bone trauma

Matteo Alicandri-Ciufelli

Novel therapeutic strategy for facial nerve paralysis using basic fibroblast growth factor impregnated biodegradable gelatin hydrogel

Hiroyuki Yamada

The use of basic fibroblast growth factor to treat intractable Bell's Palsy administered via transcanal endoscopic ear surgery

Takatoshi Furukawa

● Panel Discussion / Round Table 26 **Instrument**

Use of Novel Disposable Endoscope with Integrated Suction (3NT Colibri)

Tuesday, December 6th Room 5 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Justin Golub**

Moderator: **Michal Preis**

Panelists: **Michael Hoa**

Marc Dean

Bing Teh

● Panel Discussion / Round Table 27 **Instrument**

Optimizing bone removal during endoscopic ear surgery

Wednesday, December 7th Room 3 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Suetaka Nishiike**

Moderator: **Justin Golub**

Innovations in bone work of TEES in Japan

Suetaka Nishiike

Non-Powered TEES for cholesteatoma

Kunio Mizutari

Bone removal facilitated by an endoscope with integrated suction (3NT Colibri)

Justin Golub

Use of DCR burr & Visao drill in EES

Arun Iyer

Use of Piezosurgery device in TEES

Domenico Villari

● Panel Discussion / Round Table 28 Instrument

Technology assessment in endoscopic ear surgery: Present and future

Wednesday, December 7th Room 3 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Giulia Molinari**

Moderator: **Raymond Ngo**

Overcoming barriers to adoption and the role of ergonomics and innovation in endoscopic ear surgery

Daniel Lee

Efficacy of Intelligent Arm Support System; iArmS

Toshinori Kubota

Development and usefulness of new operative instruments with suction channel for endoscopic ear surgery

Giuseppe Panetti

● Panel Discussion / Round Table 29 Kids

Endoscopic ear surgery in infants and very young children

Thursday, December 8th Room 3 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Yukiko Iino**

Moderator: **Adrian James**

Conventional approaches to middle ear surgery in young children

Hiroshi Yamazaki

Endoscopic cholesteatoma surgery in young children

Nichtima Chayaopas

Congenital ossicular anomalies

Brandon Isaacson

Lessons from branchial anomalies and discussion of feasibility of TEES in infants

Adrian James

● Panel Discussion / Round Table 30 Malformation

Endoscopic Management of Congenital Conductive Hearing Loss

Wednesday, December 7th Room 3 (Miyako Messe) 3:40 - 5:10 p.m.

Chairperson: **Davide Soloperto**

Moderator: **Tsukasa Ito**

Endoscopic and microscopic ear surgery for congenital middle ear anomalies

Tsukasa Ito

The embryology of middle ear and the congenital ossicular anomalies

Yong Cui

The role of the endoscope in congenital middle ear anomalies

Matteo Fermi

Endoscopic transtympanic ear surgery and microscopic ear surgery for congenital middle ear anomalies

Akira Sasaki

Transcanal endoscopic ear surgery for congenital ossicular anomalies

Jin Woong Choi

● Panel Discussion / Round Table 31 New Technology

Tympanic membrane regeneration using the endoscope

Wednesday, December 7th Room 1 (ROHM Theatre Kyoto) 2:00 - 3:00 p.m.

Chairperson: **Hiroshi Ogawa**

Moderator: **Shin-ichi Kanemaru**

Future policies for tympanic membrane regeneration

Masahiro Takahashi (Jikei Univ)

Successful tympanic membrane regeneration considering from preoperative endoscopic findings

Masahiro Takahashi (IUHW)

Regenerative treatment for chronic tympanic membrane perforation using trans canal endoscopic approach: clinical outcome of 60 cases

Hiroshi Hidaka

Regeneration of tympanic membrane -my experience-

Hiroshi Ogawa

Outcomes of the Regenerative Treatment for Tympanic Membrane Perforation

Rie Kanai

● Panel Discussion / Round Table 32 **New Technology**

Emerging Drugs and Devices in Tympanic Membrane Repair

Thursday, December 8th Room 2 (Miyako Messe) 2:00 - 3:00 p.m.

Chairperson: **Masahiro Takahashi (Jikei Univ)**

Moderator: **Aaron Kyle Remenschneider**

3D printed scaffolds for TM regeneration

Nicole Black

Antisense Oligodeoxynucleotides for treatment of chronic TM perforations

Lawrence Liew

Regenerative treatment for chronic tympanic membrane perforation using transcanal endoscopic approach: hearing outcome compared with conventional tympanoplasty

Airi Asako

Less invasive treatment using basic FGF for children with tympanic perforation

Masaaki Suzuki

The regeneration of tympanic membrane using basic fibroblast growth factor

Nobuhiro Hakuba

● Panel Discussion / Round Table 33 **New Technology**

Assistive technologies for endoscopic ear surgery

Tuesday, December 6th Room 1 (ROHM Theatre Kyoto) 3:40 - 5:10 p.m.

Chairperson: **Nozomu Matsumoto**

Moderator: **Lukas Anschuetz**

Research on robots for TEES and their control

Takeshi Fujita

3D technology in endoscopic ear surgery

Giulia Molinari

Controlling registration centroid for image guided surgery

Nozomu Matsumoto

Augmented reality in ear surgery

George Wanna

● Panel Discussion / Round Table 34 **New Technology**

Middle ear measurement and AI-based diagnosis

Tuesday, December 6th Room 3 (Miyako Messe) 2:00 - 3:00 p.m.

Chairperson: **Takuji Koike**

Moderator: **Alexander Huber**

Biomechanical measurements in the middle ear

Alexander Huber

Individual differences in the force applied to the auditory ossicles during palpation

Sho Kanzaki

Development of measurement device for ossicular mobility

Takuji Koike

Diagnostic support of ossicular mobility based on machine learning of numerical analysis results

Sinyoung Lee

● Panel Discussion / Round Table 35 **Office**

In-office techniques for endoscopic ear procedures

Thursday, December 8th Room 5 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Aaron Kyle Remenschneider**

Moderator: **Nobuhiro Hakuba**

Panelists: **Aaron Kyle Remenschneider**

Maura Cosetti

Elliott D. Kozin

Hiroshi Hidaka

● Panel Discussion / Round Table 36 Outcome

Research Forum: Future directions for collaborative audit and research in TEES

Wednesday, December 7th Room 4 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Adrian James**

Moderator: **Arun Iyer**

EAONO-JOS staging system for cholesteatoma

Yutaka Yamamoto

SAMEO-ATO for reporting middle ear and mastoid surgery

Tetsuya Tono

Core outcome measures for cholesteatoma

Elliott D. Kozin

Building a Cholesteatoma Registry

Manuela Fina

Redcap the only way to go?

Nirmal Patel

The JOS model for collaboration

Yuka Morita

● Panel Discussion / Round Table 37 Regional

EES in Africa: a star is born

Thursday, December 8th Room 5 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Mohamed Badr-El-Dine**

Moderator: **Waleed Moneir**

EES in Morocco: a new era in otology

Hassan Chelly

Development of EES in Sudan

Nazik Elfadil

Finance of EES in developing countries

Waleed Moneir

● Panel Discussion / Round Table 38 Regional

Innovations in Otology in Japan

Wednesday, December 7th Room 5 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Hidemi Miyazaki**

Moderator: **Juichi Ito**

Evaluation of facial movements with iPhone using a 3D face recognition system

Tsuyoshi Kojima

Delivering image-guided information to the surgeon

Nozomu Matsumoto

Rapid Detection of Perilymph Leakage marker CTP -it impacts neuro-otology-

Tetsuo Ikezono

Hair cell regeneration: future main stream in therapeutics for hearing loss

Takayuki Nakagawa

The history of DNAP/FREMAP monitoring for acoustic neuroma surgery

Hidemi Miyazaki

● Panel Discussion / Round Table 39 Regional

Regional Update on EES in Spain

Wednesday, December 7th Room 5 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Jose Carlos Casqueiro**

Moderator: **Francisco Larrosa**

Endoscopic Approach to Middle Ear Tumors

Francisco Larrosa

Endoscopic Tympanoplasty in Non Cholesteatomatous COM

Agustin Campos

Endoscopic and Combined Microscopic techniques in Pediatric Cholesteatoma Surgery

Maurizio Levorato

Learning Curve: Rewards and Disappointments

Rafael Hijano

The Right Indication in Cholesteatoma Surgery

Luis Garcia-Ibañez

Endoscopic Tympanoplasty with Mastoid Preservation in Advanced COM

Ricardo Bartel

● Panel Discussion / Round Table 40 Regional

Regional Update on EES: Italy

Wednesday, December 7th Room 5 (Miyako Messe) 1:30 - 2:30 p.m.

Chairperson: **Livio Presutti**

Moderator: **Daniele Marchioni**

State-of-art on training in micro/endoscopic otologic surgery in Italy

Matteo Alicandri-Ciufelli

State-of-art on post-operative outcomes of endoscopic ear surgery in Italy

Davide Soloperto

State-of-art on research on endoscopic ear surgery in Italy

Cecilia Botti

● Panel Discussion / Round Table 41 Regional

Endoscopic Ear Challenges: Hear the Experts

Wednesday, December 7th Room 5 (Miyako Messe) 2:40 - 3:40 p.m.

Chairperson: **Michael Hoa**

Moderator: **Ken Kazahaya**

Transmastoid Repair of CSF Leak: Combined Endoscopic Approach

Manuela Fina

Endoscopic vs. Microscopic: Tipping Points and Pearls

Walter Kutz

Use of Ultrasonic Instrumentation in Endoscopic Ear Surgery

Adrian James

Petrous Apex Cholesterol Granuloma: Endoscopic Approach & Powered Instrumentation

Alicia Quesnel

● Panel Discussion / Round Table 42 Stapes

Endoscopic Revision Stapes Surgery

Wednesday, December 7th Room 5 (Miyako Messe) 3:40 - 4:40 p.m.

Chairperson / Moderator: **Alejandro Rivas**

Panelists: **George Wanna**

Livio Presutti

Luis Garcia-Ibañez

Alex Saxby

● Panel Discussion / Round Table 43 Stapes

Risks and Benefits of the Endoscope in Primary Stapes Surgery

Tuesday, December 6th Room 3 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **George Wanna**

Moderator: **Alexander Huber**

Panelists: **Il Joon Moon**

Alicia Quesnel

Giuseppe Panetti

Alejandro Rivas

Hirooki Matsui

● Panel Discussion / Round Table 44 Stapes

Compromised stapes integrity - issues and management

Tuesday, December 6th Room 3 (Miyako Messe) 3:40 - 5:10 p.m.

Chairperson: **Tetsuo Ikezono**

Moderator: **Jonathan Kong**

Ossicular Reconstruction after temporal bone fracture or penetrating injury

Alex Saxby

Endoscopic management of unexpected stapes injury

Arun Iyer

Direct trauma to the stapes - diagnosis and treatment -

Tomoyasu Kitahara

Aetiology and management of compromised stapes suprastructure

James Howard

● Panel Discussion / Round Table 45 Surgical Technique Underwater Endoscopic Ear Surgery Techniques

Tuesday, December 6th Room 3 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Daisuke Yamauchi**

Moderator: **Nirmal Patel**

The concept of underwater endoscopic ear surgery

Daisuke Yamauchi

Underwater TEES In China

Yong Cui

Underwater TEES for cholesteatoma surgery

Suetaka Nishiike

UWEES Is underwater EES helpful in large lateral canal cholesteatomatous fistulae

Jonathan Kong

UWEES Overview

Nirmal Patel

● Panel Discussion / Round Table 46 Surgical Technique Nuances of EES ossiculoplasty

Wednesday, December 7th Room 4 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Arun Iyer**

Moderator: **Jong Dae Lee**

Ossiculoplasty in congenital ossicular fixation

Brandon Isaacson

Outcomes of ossiculoplasty

Wai Tsz Chang

Middle ear mechanics in ossiculoplasty

Alexander Huber

Tips of Endoscopic Ossicle reconstruction

Hyong-Ho Cho

● Panel Discussion / Round Table 47 Surgical Technique Endoscopic surgery for tympanic membrane perforations

Wednesday, December 7th Room 4 (Miyako Messe) 3:40 - 5:10 p.m.

Chairperson: **Manuela Fina**

Moderator: **Arun Iyer**

Endoscopy in Tympanomeatal Flap Elevation

Michal Preis

Multi-layered Tympanopalsty Technique to avoid postoperative step-off defects

Manuela Fina

Pacman graft Vs Anterior flap tympanoplasty for perforations anterior to handle of malleus

Arun Iyer

Graft selection for Myringoplasty

Jose Carlos Casqueiro

The feasibility and treatment results of transcanal endoscopic myringoplasty

Takatoshi Furukawa

● Panel Discussion / Round Table 48 Surgical Technique Endoscopic double-handed technique

Thursday, December 8th Room 4 (Miyako Messe) 2:00 - 3:00 p.m.

Chairperson: **Yong Cui**

Moderator: **Masato Fujioka**

Endoscopic holder system

Il-Woo Lee

Let's start with 3 hand (double handed) TEES!!: How to set-up, learn and educate

Masato Fujioka

double-handed technique in EES : when and how

Yong Cui

● Panel Discussion / Round Table 49 **Surgical Technique**

Management of the Mastoid in the Era of Endoscopic Ear Surgery

Thursday, December 8th Room 4 (Miyako Messe) 10:10 - 11:10 a.m.

Chairperson: **Haruo Takahashi**

Moderator: **Manuela Fina**

Is Mastoidectomy Necessary for Surgery for All the Chronic Ears?

Haruo Takahashi

Outcomes from Mastoid Obliteration.

Adrian James

Preservation of the Mastoid in Surgery for Attic Cholesteatoma.

Daniele Marchioni

● Panel Discussion / Round Table 50 **miscellaneous**

Understanding the dissemination of otoendoscopy in ear surgery using 'Diffusion of Innovation' Theory

Thursday, December 8th Room 4 (Miyako Messe) 11:10 - 12:10 p.m.

Chairperson: **Asitha Jayawardena**

Moderator: **Christen Caloway**

Panelists: **Daniel Lee**

Michael Cohen

Alejandro Rivas

● Panel Discussion / Round Table 51 **miscellaneous**

Translational Research in Otology and Neurotology

Thursday, December 8th Room 5 (Miyako Messe) 1:30 - 2:30 p.m.

Chairperson: **Judith Kempfle**

Moderator: **Elliott D. Kozin**

Health Related Quality of Life in Chronic Otitis Media

Alexander Huber

Hair cell regeneration: What we can learn from single cell transcriptomics

Taha Jan

The Effects of Hearing Loss: Translating Clinical Research to Clinical Practice

Justin Golub

i-Siks (intra-tympanic steroid injection and keeping head specified position) therapy for poor prognostic Bell's palsy and Hunt's syndrome

Shin-ichi Kanemaru

● Panel Discussion / Round Table 52 **miscellaneous**

Otitis media with ANCA-associated vasculitis-Current Status and Future Challenges

Tuesday, December 6th Room 5 (Miyako Messe) 1:30 - 2:30 p.m.

Chairperson: **Naohiro Yoshida**

Moderator: **Yuka Morita**

Otitis media with ANCA-associated vasculitis (OMAAV): A multicenter study in Japan

Kan Kishibe

Diagnostic difficulties of ANCA-negative otitis media with ANCA-associated vasculitis: how to deal with ANCA negative cases

Kaori Tateyama

The prognosis of otitis media with ANCA-associated vasculitis

Masahiro Okada

Labyrinthine calcification in otitis media with antineutrophil cytoplasmic antibody-associated vasculitis (OMAAV): a report of two cases

Tadao Yoshida

Importance of early diagnosis of OMAAV before it causes serious functional impairment

Yuka Morita

● Panel Discussion / Round Table 53 **New Technology**

Artificial Intelligence in Ear Disease: The Future of Diagnostics and Surgery

Thursday, December 8th Room 5 (Miyako Messe) 2:30 - 3:30 p.m.

Chairperson: **Nirmal Patel**

Moderator: **Francis Creighton**

PROGRAM

● IWGEES Session

Past, Present and Future

Monday, December 5th Room 1 (Miyako Messe) 4:40 - 5:30 p.m.

Chairperson: **Stephane Ayache**

Speakers: **Stephane Ayache**

Muaaz Tarabichi

Livio Presutti

Daniel Lee

Mohamed Badr-El-Dine

● JWGEES Session

Multicenter Study in Japan

Tuesday, December 6th Room 2 (Miyako Messe) 3:10 - 4:10 p.m.

Chairpersons: **Kishiko Sunami**

Tsukasa Ito

Overview of cholesteatomas

Hirooki Matsui

Pars flaccida and pars tensa cholesteatomas

Manabu Komori

Chronic otitis media, otosclerosis, middle ear anomalies

Daisuke Yamauchi

● Luncheon Seminar 1

Tuesday, December 6th Room 2 (Miyako Messe) 12:20 - 1:10 p.m.

Chairperson: **Shin-ichi Kanemaru**

Aerosol-Free Powered TEES with the ENT MR8

Seiji Kakehata

Sponsored by MEDTRONIC JAPAN CO., LTD.

● Luncheon Seminar 2

Computed tomography in ear surgeries: Recent advances

Tuesday, December 6th Room 3 (Miyako Messe) 12:20 - 1:10 p.m.

Chairperson: **Tetsuya Tono**

Values of cone-beam CT in surgical simulation and ultra-high resolution CT for otologic surgeries

Akira Ganaha

CT and / or MRI for paediatric cholesteatoma

Adrian James

Sponsored by J.MORITA MFG. CORP.

● Luncheon Seminar 3

Tuesday, December 6th Room 4 (Miyako Messe) 12:20 - 1:10 p.m.

Chairperson: **Yu Matsumoto**

Endoscopic Ossiculoplasty with Middle Ear Prostheses: Surgical Techniques and Tips

Alicia Quesnel

Sponsored by NITI-ON CO.,LTD.

● Luncheon Seminar 4

Wednesday, December 7th Room 2 (Miyako Messe) 12:20 - 1:10 p.m.

Chairperson: **Shin-Ichi Haginomori**

The Emergence of the Exoscope in Personalized Cholesteatoma Surgery

Tsukasa Ito

Endoscopic & Exoscopic heads-up surgery

The benefits of a combined approach in middle ear and lateral skull base surgery

Daniele Marchioni

Sponsored by KARL STORZ Endoscopy Japan K.K.

● Luncheon Seminar 5

Wednesday, December 7th Room 3 (Miyako Messe) 12:20 - 1:10 p.m.

Chairpersons: **Hidenori Inohara**

Nirmal Patel

Surgical anatomy of the inner ear and the deep temporal bone structures

Harukazu Hiraumi

Underwater EES

Nirmal Patel

Sponsored by DAIICHI MEDICAL CO., LTD.

● Luncheon Seminar 6

Wednesday, December 7th Room 4 (Miyako Messe) 12:20 - 1:10 p.m.

Chairperson: **Domenico Villari**

Ear surgery with ORBEYE(r) exoscope- Could it replace the traditional microscope? -

Takeshi Fujita

The value of endoscope assistance under 3D exoscopic surgery of lateral skull base

Noritaka Komune

Sponsored by Olympus Marketing, Inc.

● Luncheon Seminar 7

Thursday, December 8th Room 2 (Miyako Messe) 12:20 - 1:10 p.m.

Chairperson: **Yutaka Yamamoto**

-Dawn of the new era for ear surgery- Regeneration of the Tympanic Membrane

Shin-ichi Kanemaru

Sponsored by Nobelpharma Co., Ltd.

● O01 Session Cholesteatoma 1

Tuesday, December 6th 10:00 - 11:00 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Manabu Komori** (St. Marianna University)

Ophir Handzel (Tel-Aviv Souraksy medical center)

001-1 Bone-chip Scutumplasty: A Novel Approach to Scutum Defect Repair

Takanari Goto (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine)

001-2 Securing the Anterior Ventilation Route During Cholesteatoma Removal via TEES

Shintaroh Amano (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine)

001-3 TruBlue LASER in Cholesteatoma surgery

Wai Tsz Chang (Department of Otorhinolaryngology, Head and Neck Surgery, the Chinese University of Hong Kong)

001-4 Endoscopic ear surgery in cholesteatoma extending to petrous apex and beyond the middle ear cleft

Ophir Handzel (Division of Otolology and Neurotology, Department of Otolaryngology, Tel-Aviv Souraksy medical center)

001-5 Modified Panetti instruments with foot pedal suction control

Adrian L. James (Hospital for Sick Children)

001-6 Outcome of Limited Attic Cholesteatoma Surgery :Endoscopic vs Microscopic

MD MONJURL ALAM (Professor (former), Otolaryngology - Head -Neck Surgery Dept, Bangabandhu Shiekh Mujib Medical University (BSMMU) shahbag, dhaka-1000)

● O02 Session Cholesteatoma 2

Tuesday, December 6th 11:00 - 12:00 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Takechiyo Yamada** (Akita University)

Hiroyuki Yamada (Ehime University)

002-1 Retrograde mastoidectomy with canal wall reconstruction versus intact canal wall tympanomastoidectomy for cholesteatoma with minimal mastoid extension

Masaomi Motegi (Department of Otorhinolaryngology, The Jikei University School of Medicine)

002-2 Endoscopic exclusively approach to the congenital cholesteatoma in pediatric patients

Wuqing Wang (Eye & ENT Hospital of Fudan University)

002-3 A novel transcanal keyhole technique in endoscopic cholesteatoma surgery

Fangyuan Wang (College of Otolaryngology Head and Neck Surgery, Chinese PLA General Hospital)

002-4 Pivot role of endoscopy in cholesteatoma management.

Waleed Moneir Eid (Waleed Moneir Eid, Ass. Prof. of ORL Head & Neck Surgery, Mansoura University Hospital)

002-5 THE ROLE OF PIEZOSURGERY IN CHOLESTEATOMA ENDOSCOPIC SURGERY FROM A TERTIARY REFERRAL CENTER EXPERIENCE

Guglielmo Ronzani (Otolaryngology-Head and Neck Surgery Department, University Hospital of Verona, Italy)

002-6 TEES ossiculoplasty in patients with cholesteatoma

Marcus C Tong (Department of Surgery, United Christian Hospital)

● O03 Session Cholesteatoma 3

Tuesday, December 6th 13:30 - 14:30 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Kuniyuki Takahashi** (University of Miyazaki)

Chin-Kuo Chen (Chang Gung Memorial Hospital)

003-1 Transcanal Endoscopic Ear Surgery for Pediatric External Auditory Canal Cholesteatoma

YANG LI (The Second Affiliated Hospital, Xi'an Jiaotong University)

003-2 The usefulness of color mapped fusion images for preoperative diagnosis of the extent of cholesteatoma.

Akiko AMANO (Department of Otolaryngology, Head and Neck Surgery Yamagata University Faculty of Medicine)

003-3 Sound-Pressure Distribution in the Ear After Radical Mastoidectomy with Meatoplasty

chin-Kuo Chen (Department of Otolaryngology-Head and Neck Surgery, Chang Gung Memorial Hospital, Taoyuan)

003-4 Transcanal endoscopic ear surgery is effective for pediatric congenital cholesteatoma localized in the tympanic cavity.

Takenori Miyashita (Department of Otolaryngology, Faculty of Medicine, Kagawa University)

003-5 Pilot Study of Underwater Endoscopic Ear Surgery to repair Cholesteatomatous Otic Capsule Erosions

Ruyan Chen (Department of Otolaryngology, Head and Neck Surgery, Royal North Shore Hospital, St Leonards, Sydney)

003-6 Prognostic role of EAONO-JOS, STAMCO and CHOLE staging for endoscopic and endoscopic-microscopic tympanoplasty in pediatric cholesteatoma

Matteo Fermi (AOU di Bologna IRCCS, Policlinico Sant'Orsola Malpighi, U.O.C. Otorinolaringoiatria e Audiologia)

● **O04 Session Cholesteatoma 4** Tuesday, December 6th 14:30 - 15:20 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Takenori Miyashita** (Kagawa University)

Yasin Abdurehim (University of Hongkong Shenzhen Hospital)

004-1 Recurrence of Cholesteatoma in Patients with Patulous Eustachian Tube

Taisuke Kobayashi (Department of Otolaryngology, Kochi Medical School)

004-2 Predictive factors of Recidivism in Paediatric Acquired Cholesteatoma treated with Endoscopic Ear Surgery

Rithvik REDDY (Department of Otolaryngology, Head and Neck Surgery, Royal North Shore Hospital, St Leonards, Sydney)

004-3 Systematic Review of Lateral Semicircular Canal Fistulae Repair Underwater EES versus Microscopic Open Approach

Ruyan Chen (Department of Otolaryngology, Head and Neck Surgery, Royal North Shore Hospital, St Leonards, Sydney)

004-4 Application and limitations of oto-endoscope in canal wall up tympanoplasty for pars flaccida cholesteatoma

Yasuyuki Hinohira (Kamio Memorial Hospital)

004-5 Comparison of endoscopic and microscopic surgery in the treatment of cholesteatoma

Ayaka Otsuka (Department of Otolaryngology and head and neck surgery, The University of Tokyo Hospital)

● **O05 Session Cholesteatoma 5** Tuesday, December 6th 15:20 - 16:20 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Shin-Ichi Haginomori** (Osaka Medical and Pharmaceutical University)

Ji Eun Choi (Dankook University Hospital)

005-1 Outcomes of endoscopic congenital cholesteatoma removal: Multicenter study in South Korea

Ji Eun Choi (Department of Otorhinolaryngology-Head and Neck Surgery, Dankook University Hospital, Cheonan)

005-2 A RETROSPECTIVE ANALYSIS AND COMPARISON OF THE STAM AND STAMCO CLASSIFICATION, EAONO/JOS CHOLESTEATOMA STAGING SYSTEM AND CHOLE CLASSIFICATION IN PREDICTING SURGICAL OUTCOMES OF MIDDLE EAR CHOLESTEATOMA TREATED BY ENDOSCOPIC OR COMBINED MICRO-ENDOSCOPIC TYMPANOPLASTY

Edoardo Bassano (Otorhinolaryngology Head and Neck Surgery Department, University Hospital of Modena)

005-3 Residual cholesteatoma during Second Look procedures following primary Endoscopic Ear Surgery

Stefano Meneghesso (Otorhinolaryngology-Head and Neck Department of Verona University Hospital)

005-4 Endoscopic cannal-wall-up mastoidectomy for cholesteatoma under continuous irrigating mode of the endoscopic ear surgery (CIM-EES)

Yong Xu (Center of Otorhinolaryngology Head and Neck Surgery, Renmin Hospital of Wuhan University)

005-5 Clinical Analysis of External Auditory Canal Cholesteatoma Surgery under Continuous Irrigating Mode for Endoscopic Ear Surgery (CIM-EES)

Wenjing Wang (Center of Otorhinolaryngology Head and Neck Surgery, Renmin Hospital of Wuhan University)

005-6 Feasibility analysis of transcanal totally endoscopic surgery for middle ear cholesteatoma in young children

Xiaoxu Wang (National Center for Children's Health, Department of Otolaryngology Head and Neck Surgery, Beijing Children's Hospital, Capital Medical University)

● **O06 Session Cholesteatoma 6** Tuesday, December 6th 16:20 - 17:30 ROOM 6(Special Exhibition Hall (B))

Chairperson: **Norio Yamamoto** (The Kyoto University)

Stephane Ayache (Cannes Hospital)

006-1 Detection of Cholesteatoma Location with Readout-segmented Echo-planar Diffusion-weighted Imaging

Norio Yamamoto (Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University)

006-2 Transcanal endoscopic management of lateral semicircular canal fistula: preliminary experience

Alfredo Lo Manto (Hospital University of Modena)

006-3 Transcanal Endoscopic Ear Surgery for cholesteatoma with attical obliteration

Stephane Ayache (Department of Otorhinolaryngology, Otology & Neurotology Unit, Cannes Hospital Center Simone Veil, Cannes-France)

- 006-4 Transcanal Endoscopic Ear Surgery for cholesteatoma. The question of posterior extension**
Stephane Ayache (Department of Otorhinolaryngology, Otolaryngology & Neurotology Unit, Cannes Hospital Center Simone Veil, Cannes-France)
- 006-5 A RANDOMIZED CONTROLLED TRIAL ON OUTCOMES OF COMPLETELY ENDOSCOPIC VS MICROSCOPIC EAR SURGERY FOR CHRONIC OTITIS MEDIA WITH CHOLESTEATOMA**
Aswathi K V (Author)
- 006-6 Long-term outcome of personalized endoscopic surgery for acquired cholesteatomas**
Tsukasa Ito (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine)
- 006-7 Surgical evaluation of secondary acquired cholesteatoma**
Hirooki Matsui (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine, Yamagata, Japan)

● O07 Session Neurotologic Surgery 1

Tuesday, December 6th 10:00 - 11:00 ROOM 7 (Large Conference Room)

Chairperson: **Katsumi Doi** (Kindai University)

Francisco Larrosa (Hospital Clinic de Barcelona)

- 007-1 Transcanal Endoscopic CO2 laser resection of early stage (A1 to B1) glomus tympanicum: single center experience**
Francisco Larrosa (Hospital Clinic de Barcelona)
- 007-2 Temporal Bone Paraganglioma resection through Exclusive Endoscopic Transcanal Approach: Video illustration of critical surgical points for exposure and resection with ossicular chain preservation.**
Romain KANIA (Department of Otorhinolaryngology, Lariboisière University Hospital, 2 rue Ambroise Paré, 75010 Paris)
- 007-3 Treatment of the extensive cholesteatoma in the skull base temporal bone**
Wuqing Wang (Eye & ENT Hospital of Fudan University)
- 007-4 Endoscopic transcanal management of petrous bone cholesteatoma**
Huawei Li (Eye & ENT Hospital of Fudan University)
- 007-5 The pivot role of endoscopy in certain lateral skull base lesions**
Waleed Moneir Eid (Waleed Moneir Eid, Ass. Prof of ORL Head & Neck Surgery - Mansoura University Hospital)
- 007-6 Transcanal Endoscopic Approach for Management of Pulsatile Tinnitus due to Jugular Bulb Dehiscence**
Jae-Jin Song (Department of Otorhinolaryngology-Head and Neck Surgery, Eulji University School of Medicine, Nowon Eulji Medical Center)

● O08 Session Neurotologic Surgery 2

Tuesday, December 6th 11:00 - 12:00 ROOM 7 (Large Conference Room)

Chairperson: **Shin-Ichi Haginomori** (Osaka Medical and Pharmaceutical University)

Ahmad Daneshi (Iran University of Medical Sciences)

- 008-1 Labyrinthine Facial Nerve Decompression through an Exclusive Endoscopic Transcanal Transpromontorial Approach**
Romain KANIA (Department of Otorhinolaryngology, University Hospital Lariboisière, APHP, University of Paris, France)
- 008-2 Microscopic vs Endoscopic Ear Surgery for Early Stage Glomus Tympanicum Tumors - A Chinese Case Series**
Dongdong Ren (Institute and Otorhinolaryngology Department, Affiliated Eye and ENT Hospital, Fudan University, Shanghai, People's Republic of China)
- 008-3 Endoscopy-assisted surgery for a cholesterol granuloma in the petrous apex: a case report**
Shin-Ichi Haginomori (Department of Otolaryngology - Head and Neck Surgery, Osaka Medical and Pharmaceutical University)
- 008-4 Suprameatal-transzygomatic root endoscopic approach to the geniculate ganglion: an anatomical and radiological study**
Arianna Burato (Department of Otolaryngology - Head and Neck Surgery, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Policlinico S.Orsola-Malpighi, Bologna, Italy)
- 008-5 Transcanal transpromontorial/infrapromontorial approach: a clinicoradiological evaluation of mastoid**
Edoardo Serafini (Department of otolaryngology, head and neck surgery, university hospital of Modena)
- 008-6 Totally Endoscopic Transcanal Facial Nerve Decompression in Patients with Traumatic Facial Nerve Paralysis: from Geniculate Ganglion to Mastoid Segment**
Ahmad Daneshi (ENT and Head & Neck Research Center and Department, Five Sense Health Institute, School of Medicine, Iran University of Medical Sciences)

● O09 Session Vestibular Schwannoma

Tuesday, December 6th 13:30 - 14:20 ROOM 7 (Large Conference Room)

Chairperson: **Harukazu Hiraumi** (Iwate Medical University)
Ramon Jensen (Copenhagen University Hospital)

- O09-1 Resection of vestibular schwannoma through middle cranial fossa approach with endoscopic assistance**
Wei-dong Zhao (Department of Otolaryngology and Skull Base Surgery, Eye & ENT Hospital, Fudan University)
- O09-2 Long-term Outcomes of Patients with Small Acoustic Tumors Treated Using a Modified Endoscopic Transcanal Approach**
Ludovica Battilocchi (Department of Otorhinolaryngology, University of Milan)
- O09-3 Vestibular schwannoma removal through expanded transcanal transpromontorial approach: advantages and limitations according to a multicentric experience**
Federico Calvaruso (Department of Otolaryngology - Head and Neck Surgery, University Hospital of Modena)
- O09-4 Endoscopic-Assisted Keyhole Middle Cranial Fossa Approach for Small Vestibular Schwannomas**
Yujin Lee (Department of Otorhinolaryngology, Yonsei University College of Medicine)
- O09-5 Fully Endoscopic Resection of Intracochlear Schwannoma and Simultaneous Cochlear Implantation**
Aparna Govindan (Icahn School of Medicine-Mount Sinai Health System)

● O10 Session Surgical Technique 1

Tuesday, December 6th 14:20 - 15:10 ROOM 7 (Large Conference Room)

Chairperson: **Takeshi Fujita** (Kobe University)
Waleed Moneir Eid (University Hospital of Verona)

- O10-1 Withdraw**
- O10-2 Endoscopic ossiculoplasty techniques: the easy abstain.**
Waleed Moneir Eid (Waleed Moneir Eid, Ass. Prof. Of ORL Head & Neck Surgery, Mansoura University Hospital)
- O10-3 Endoscopic ossiculoplasty: hearing results with autologous materials and literature comparison**
Giuseppe Ferrulli (Otolaryngology-Head and Neck Surgery Department, University Hospital of Modena, Modena)
- O10-4 Continuous Irrigating Mode of the Endoscopic ear surgery (CIM-EES) in Endoscopic facial nerve decompression: pilot clinical experience**
Yujin Lee (Center of Otorhinolaryngology Head and Neck Surgery, Renmin Hospital of Wuhan University)
- O10-5 The continuous irrigating mode for endoscopic ear surgery (CIM-EES) :Its applications and advantages**
Hua Liao (Center of Otorhinolaryngology Head and Neck Surgery, Renmin Hospital of Wuhan University)

● O11 Session Surgical Technique 2

Tuesday, December 6th 15:10 - 16:10 ROOM 7 (Large Conference Room)

Chairperson: **Michihiko Sone** (Nagoya University)
Attila Dezso (Walsall Manor Hospital)

- O11-1 Use of Acellular Porcine Small Intestinal Submucosal Grafts in Endoscopic Middle Ear Surgery**
Attila Dezso (Consultant Otolaryngologist ENT Surgeon)
- O11-2 Special techniques of endoscopic tympanoplasty: an easy way out for difficult situations**
Waleed Moneir Eid (Waleed Moneir Eid, Ass. Prof. of ORL Head & Neck Surgery, Mansoura University Hospital)
- O11-3 The Clinical Analysis of Simultaneous Bilateral Endoscopic Tympanoplasty**
Yafeng Guan (Department of Otolaryngology- Head and Neck Surgery, The Hong Kong University- Shenzhen Hospital)
- O11-4 A case-control study to compare a novel method of three-handed tympanoplasty with microscopic tympanoplasty in a tertiary care centre in India**
Saurav Sarkar (Additional Professor, Department of Otorhinolaryngology and Head and Neck Surgery)
- O11-5 Is your palpation of ossicles appropriate? -Analysis on inter-surgeons variability in subjective measurement of the ossicular mobility-**
Sho Kanzaki (National Institute of Sensory Organ, National Hospital Organization of Tokyo Medical Center)
- O11-6 A comparative study of external ear canal packing in endoscopic ear surgery**
Dimitrios Angelou (University Hospital of Monklands, NHS Lanarkshire)

● O12 Session Surgical training (Cadavar and model)

Tuesday, December 6th 16:10 - 17:20 ROOM 7 (Large Conference Room)

Chairperson: **Ryota Mihashi** (Kurume University)

Richard Salzman (University Hospital Olomouc)

- O12-1 Experience in organizing cadaver surgical training for transcanal endoscopic ear surgery**
Yasunori Asai (Department of Otolaryngology-Head and Neck Surgery, School of Medicine, Fujita Health University)
- O12-2 Transcanal endoscopic bone removal technique for cases of protrusion of the anterior wall of the external auditory canal.**
Ryota Mihashi (Department of Otolaryngology-Head and Neck Surgery, Kurume University School of Medicine)
- O12-3 An Integrated (Microscopic/Endoscopic) Dissection Ear Surgery Course**
Arianna Burato (ACU di Bologna IRCCS, Policlinico Sant'Orsola Malpighi, U.O.C. Otorinolaringoiatria e Audiologia)
- O12-4 Comparison of utility of 0° and 30° endoscopes using 3D printed temporal bone models**
Richard Salzman (Dept. of Otorhinolaryngology and Head and Neck Surgery, University Hospital Olomouc)
- O12-5 Goat heads are useful for learning endoscopic ear surgery**
Adrian James (Hospital for Sick Children)
- O12-6 Endoscopic Stapes Surgery: Importance of learning curve**
Hee-Won Seo (Department of Otorhinolaryngology-Head and Neck Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea)
- O12-7 Does prior video gaming experience enhance endoscopic ear skills acquisition?**
Aparna Govindan (Icahn School of Medicine-Mount Sinai Health System)

● O13 Session Anomaly PLF

Wednesday, December 7th 10:00 - 11:10 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Takayuki Okano** (The Kyoto University)

Euan Paul Murugasu (Mt Elizabeth Medical Centre)

- O13-1 Uncovering fine details of congenital ossicular chain anomalies with EES**
Kishiko Sunami (Osaka Metropolitan University Graduate School of Medicine)
- O13-2 The Surgical Results of 28 Ears with Congenital Middle Ear Anomalies**
MAYU KUZUME (Department of Otolaryngology, Kochi Medical School)
- O13-3 Audiological characteristics and effect of endoscopic surgery for simple congenital malformation of ossicular chain**
Haidi Yang (Sun Yat-sen Memorial Hospital)
- O13-4 Endoscopic approach on stapes piston surgery for stapes superstructure anomaly**
Ashadi Budi (Proklamasi ENT-HNS Hospital BSD)
- O13-5 EES Laser Stapedotomy: a preliminary experience and case presentation of unexpected perilymph gusher**
Euan Paul Murugasu (Euan's ENT Surgery & Clinic Pte Ltd, Mt Elizabeth Medical Centre, #10-31, Singapore 329563)
- O13-6 Four cases of idiopathic perilymphatic fistula treated by transcanal endoscopic ear surgery**
Takayuki Okano (Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University)
- O13-7 Diagnosis and treatment of idiopathic perilymphatic fistula by cochlin-tomoprotein and TEES**
Toshinori Kubota (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine)

● O14 Session External Auditory Canal

Wednesday, December 7th 11:10 - 11:50 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Hiroshi Hidaka** (Kansai Medical University)

Sailesh Acharya (Kathmandu ENT Hospital)

- O14-1 Transcanal Endoscopic Ear Surgery for External Auditory Canal Cholesteatoma**
Satoru UETSUKA (Department of Otorhinolaryngology - Head and Neck Surgery Osaka Rosai Hospital)
- O14-2 Endoscopic transcanal removal of external auditory canal osteomas**
Wei Chen Liu (Chang Gung Memorial Hospital, Chang Gung University, Linkou)
- O14-3 Transcanal endoscopic ear surgery for management of External Auditory Canal Cholesteatoma: clinical outcomes of 70 cases.**
Hongming Huang (Guangdong Provincial People's Hospital)
- O14-4 A Case of Skin Sheet Transplantation of Autologous Cultured Epidermis for External Ear Canal Obstruction Due to Epidermolysis Bullosa Hereditaria**
Ayumi Minami (Keio University School of Medicine, Department of Otolaryngology-Head and Neck Surgery)

● O15 Session Hearing Therapeutics 1

Wednesday, December 7th 13:30 - 14:20 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Hiroshi Yamashita** (Yamaguchi University)

- O15-1 Spontaneous healing of acute tympanic membrane perforations with or without excision of the handle of the malleus in rats**
Zihan Lou (Department of Otolaryngology-Head and Neck Surgery, Shanghai Jiao Tong University School of Medicine Affiliated Sixth People's Hospital, Shanghai 200233)
- O15-2 Research of different surgery routes of gene therapy for hearing loss in big animal model**
xiao jun Ji (Chinese PLA general hospital)
- O15-3 Enhanced cochlear transgene delivery in adult mice - toward the investigation of gene therapy for hearing loss**
Hidekane Yoshimura (Department of Otorhinolaryngology - Head and Neck Surgery, School of Medicine, Shinshu University, Matsumoto)
- O15-4 Ascorbic acid induces ferroptosis like cell death in vestibular schwannoma cells**
Yong Pyo Hong (Department of Otorhinolaryngology, Yonsei University College of Medicine)
- O15-5 A comparison between the tumor microenvironment of intralabyrinthine and intracanalicular vestibular schwannoma by single-cell transcriptomics**
Haojie Sun (Department of Otorhinolaryngology, ENT Institute, Eye and ENT Hospital, Fudan University, Shanghai, China)

● O16 Session Hearing Therapeutics 2

Wednesday, December 7th 14:20 - 15:20 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Jun Suzuki** (Department of Otolaryngology-Head and Neck Surgery, Tohoku University Graduate School of Medicine)
Judith S Kempfle (Massachusetts Eye and Ear)

- O16-1 Generation and application of human inner ear organoid containing vestibular and cochlear like hair cells**
Takashi Nakamura (Dept. of Otolaryngology Head and Neck Surgery, Kyoto Prefectural University of Medicine)
- O16-2 A novel bisphosphonate-NT-3 small molecule analogue for treatment of auditory synaptopathy**
Judith S Kempfle (Department of Otolaryngology and The Eaton-Peabody Laboratories, Massachusetts Eye and Ear, Boston, MA, USA)
- O16-3 Precise detection of CRISPR/Cas9 editing in hair cells in the treatment of autosomal dominant hearing loss**
Chong Cui (ENT institute and Department of Otorhinolaryngology, Eye & ENT Hospital, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Fudan University)
- O16-4 Specific knockdown of *Htra2* by CRISPR-CasRx prevents acquired sensorineural hearing loss in mice**
Yilai Shu (ENT Institute and Department of Otorhinolaryngology, Eye & ENT Hospital, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Fudan University)
- O16-5 Evaluation of facial movements with iPhone using a 3D face recognition system**
Tsuyoshi Kojima (Tenri Hospital, Department of Otolaryngology)

● O17 Session Other 1

Wednesday, December 7th 15:10 - 16:10 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Naohiro Yoshida** (Jichi Medical University Saitama Medical Center)
Maurizio Levorato (San Juan De Dios Children's Hospital)

- O17-1 Importance of aligning the planes during cochlear implant electrode insertion**
Nozomu Matsumoto (Department of Otorhinolaryngology, Kyushu University)
- O17-2 5 years experience in endoscopic ear surgery in children**
Irina Yu Meytel (FSAU "NMIC of Children's Health" of the Ministry of Health of the Russian Federation)
- O17-3 Why and when to use the "Pacman" composite graft in pediatric endoscopic type 1 or 3 tympanoplasty.**
Maurizio Levorato (San Juan De Dios Children's Hospital - Barcelona)
- O17-4 The pre-chorda and post-chorda tympani approach in endoscopic stapes surgery based on the chorda tympani nerve classification**
Masahiro Takahashi (Jikei University School of Medicine)
- O17-5 New method for self evaluation lateralized taste testing - TASENS**
Jan Vodicka (Department of Otorhinolaryngology and Head and Neck Surgery, Pardubice Hospital and Faculty of Health Studies, University of Pardubice)
- O17-6 Factors affecting the incidence of trauma to the chorda tympani nerve in middle ear surgery**
Takaomi Kurioka (Department of Otolaryngology-Head and Neck Surgery, National Defense Medical College)

● O18 Session Otosclerosis 1 Wednesday, December 7th 10:00 - 11:00 ROOM 7 (Large Conference Room)

Chairperson: **Taeko Okuno** (MITSUI MEMORIAL HOSPITAL)

Jong Woo Chung (University of Ulsan College of Medicine)

O18-1 Endoscopic Stapes Surgery: What the data shows?

George Wanna (New York Eye and Ear of Mount Sinai)

O18-2 Endoscopic stapedotomy: A comparison between the conventional approach versus CO2 laser-assisted surgery.

Pradeep Pradhan (All India Institute of Medical Sciences, Bhubaneswar, Odisha)

O18-3 Usefulness of CO₂ laser-assisted endoscopic stapes surgery

Ryota Usami (Department of Otolaryngology-Head and Neck Surgery, National Defense Medical College)

O18-4 The atticotomy area is less reduced in the endoscopic stapedotomy than in the microscopic stapedotomy

Jong Woo Chung (Department of Otorhinolaryngology-Head and Neck Surgery, Asan Medical Center, University of Ulsan College of Medicine)

O18-5 Endoscopic stapedotomy with piston reconstruction in cases of ossicular chain defects: case series

Yi-Lu Li (National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan City)

O18-6 The Artificial Stapes Implant under Endoscope for Otosclerosis

Wen Zhang (Department of Otorhinolaryngology Head and Neck Surgery, Shaanxi Provincial People's Hospital)

● O19 Session Otosclerosis 2 Wednesday, December 7th 11:00 - 12:00 ROOM 7 (Large Conference Room)

Chairperson: **Ken-ichi Takano** (Sapporo Medical University)

Romain E. Kania (Lariboisière University Hospital)

O19-1 Should we train stapedectomy procedure in dissection lab before starting stapedotomy surgery?

Nicola Calgaro (Ospedale Santa Maria Del Prato di Feltre)

O19-2 10 years experience in endoscopic approach for stapedoplasty: auditory results and complications.

Riccardo Nocini (Unit of Otorhinolaryngology, Head and Neck Department, Università degli Studi di Verona, Verona, Italia)

O19-3 Endoscopic Revision Stapes Surgery in a Single Center: Indications and Intraoperative Findings

Carola Gillone (Otolaryngology Department of the University Hospital of Verona)

O19-4 One stage exclusive endoscopic procedure for simultaneous surgical treatment for otosclerosis and malleus head fixation.

Romain E. Kania (Lariboisière University Hospital, APHP, Paris Cité University)

O19-5 Transcanal Endoscopic Stapes Surgery

Stephane Ayache (Department of Otorhinolaryngology, Otology & Neurotology Unit, Cannes Hospital Center Simone Veil, Cannes-France)

O19-6 Computed axial Tomografia and preoperative audiological data as prognostic factors of technical difficulty of Endoscopic and Microscopic Stapedotomy.

JULIAN A. RAMIREZ (VICTOR FORERO)

● O20 Session Otosclerosis 3 Wednesday, December 7th 13:30 - 14:30 ROOM 7 (Large Conference Room)

Chairperson: **Masafumi Ohki** (Saitama Medical University)

Hassan CHELLY (ENT AL FARABI CLINIC)

O20-1 Efficacy of Endoscopic Stapedotomy in the Treatment of Otosclerosis: A Report of 82 Cases

Xianhai Zeng (Department of Otolaryngology, Longgang E.N.T hospital & Shenzhen Key Laboratory of E.N.T, Institute of E.N.T Shenzhen, China)

O20-2 Withdraw

O20-3 Early and late complications in endoscopic stapes surgery: a tertiary referral center experience

Elisa Laura (Otolaryngology-Head and Neck Surgery Department, Vittorio Veneto Hospital (TV))

O20-4 Fisch procedure in otosclerosis surgery : a technical point of view

Hassan CHELLY (ENT AL FARABI CLINIC)

O20-5 Comparison of hearing outcomes between the classic step method and Fisch's reversal step method in transcanal endoscopic stapes surgery for otosclerosis

Masafumi Ohki (Dept of Otorhinolaryngology, Saitama Medical Center, Saitama Medical University)

O20-6 ENDOSCOPIC STAPEDOTOMY: MASTERING A PARADIGM SHIFT

vikasdeep gupta (ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA)

● **O21 Session COVID-19** Wednesday, December 7th 14:30 - 15:00 ROOM 7 (Large Conference Room)

Chairperson: **Hiroko Monobe** (Japanese Red Cross Medical Center)
Aynur Aliyeva (The Catholic University of Korea Seoul St.Mary Hospital)

O21-1 SEVERITY OF COMPLICATED CHRONIC SUPPURATIVE OTITIS MEDIA AND ITS CLINICAL OUTCOME AT A TERTIARY HOSPITAL DURING THE COVID-19 PANDEMIC: A SINGLE CENTER EXPERIENCE

Deziree Roa Caayupan (East Avenue Medical Center)

O21-2 Quantitative measurement of airborne particles during otologic surgery in the operating room
 Suetaka Nishiike (Department of Otorhinolaryngology - Head and Neck Surgery, Osaka Rosai Hospital)

O21-3 The effect of the SARS-CoV-2 virus on the increase of chronic otitis media complications during the Covid 19 pandemic period.

Aynur Aliyeva (The Catholic University of Korea Seoul St.Mary Hospital . Otorhinolaryngology Department)

● **O22 Session Other 2** Wednesday, December 7th 15:00 - 15:50 ROOM 7 (Large Conference Room)

Chairperson: **Tadashi Kitahara** (Nara Medical University)
Chao-Hui Yang (Kaohsiung Chang Gung Memorial Hospital)

O22-1 TEES for osteoradionecrosis (ORN) of the external auditory canal (EAC)

Michael Chi Fai Tong (Department of Otorhinolaryngology, Head and Neck Surgery, The Chinese University of Hong Kong)

O22-2 Endoscopic Ear Surgery : Good Indications and Problems

Katsunori Ishida (Department of Otolaryngology, Chigasaki Central Hospital)

O22-3 A Systematic Review of Ergonomic Considerations in Endoscopic Ear Surgery

Michael W. Denham (Department of Otolaryngology-Head and Neck Surgery, Columbia University Vagelos College of Physicians and Surgeons, NewYork-Presbyterian/Columbia University Irving Medical Center)

O22-4 Explorative tympanotomy: endoscopic approach to the treatment of incus fixation

Cecilia Lotto (Department of Otolaryngology - Head and Neck Surgery, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Policlinico S.Orsola-Malpighi, Bologna, Italy)

O22-5 Treatment, Results, and Outcome of Transcanal Endoscopic Ear Surgery (TEES) for Traumatic Ossicula

Motoyasu Sugiyama (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine)

● **O23 Session Chronic Otitis Media 1**

Thursday, December 8th 8:30 - 9:40 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Satoshi Iwasaki** (International University of Health and Welfare)
Zhaohui Hou (Chinese PLA General Hospital)

O23-1 A new mode of endoscopic surgery combined plasma technology with continuous irrigation
 Zhaohui Hou (College of Otolaryngology Head and Neck Surgery, Chinese PLA General Hospital)

O23-2 Results of the transcanal endoscopic ear surgery in patients with chronic otitis media with large perforation : Retrospective multicenter study

Donggu Hur (Gyeongsang National University Changwon Hospital)

O23-3 Comparison of Medial Underlay and Lateral Underlay Endoscopic Type I Tympanoplasty for Anterior Perforations of the Tympanic Membrane

Jung Woo Lee (Department of Otorhinolaryngology and Biomedical Research Institute, Pusan National University Hospital, Busan)

O23-4 Underlay Versus Modified Circumferential Subannular Graft Technique in Endoscopic Tympanoplasty

Chae Dong Yim (Gyeongsang National University Hospital)

O23-5 Endoscopic management of tympanic perforation: our experience

Leonardo Roncadi (Otolaryngology - Head and Neck Surgery department, University Hospital of Modena, Modena)

O23-6 Short-term effect of transcanal endoscopic tympanoplasty (type I) in dry and wet ears with chronic otitis media:A Prospective, Interventional, Non-Randomised, Controlled Study

Wen Zhang (Department of Otorhinolaryngology-Head and Neck Surgery, Shaanxi Provincial People's Hospital)

O23-7 How to Choose the Appropriate Endoscopic Surgical Technique for Repairing Tympanic Membrane Perforation

Yoshiyuki Kawashima (Otolaryngology department, Tokyo Medical and Dental University)

● O24 Session Chronic Otitis Media 2

Thursday, December 8th 9:40 - 10:40 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Takashi Nakagawa** (Kyushu University)
Wai Tsz CHANG (the Chinese University of Hong Kong)

- O24-1 Clinical Analysis of Micro-flap Overlay Myringoplasty under Continuous Irrigating Mode for Endoscopic Ear Surgery (CIM-EES)**
Hua Liao (Center of Otorhinolaryngology Head and Neck Surgery, Renmin Hospital of Wuhan University)
- O24-2 Transcanal Endoscopic Ear Surgery for Anterior Tympanic Membrane Perforations**
Stephane Ayache (Department of Otorhinolaryngology, Otology & Neurotology Unit, Cannes Hospital Center Simone Veil, Cannes-France)
- O24-3 Clinical analysis of endoscopic ear canal flap technique for subtotal tympanic membrane perforation**
zengping Lin (Department of Otolaryngology, Longgang E.N.T hospital & Shenzhen Key Laboratory of E.N.T, Institute of E.N.T Shenzhen, Guandong Province, People's Republic of China)
- O24-4 Management of chronic suppurative otitis Media in the era of oto endoscopic surgery**
Amine Mohammed Hessissen (Morocco)
- O24-5 Precision surgical treatment for chronic myringitis in the era of 4K endoscopes**
Wai Tsz CHANG (Department of Otorhinolaryngology, Head and Neck Surgery, the Chinese University of Hong Kong)
- O24-6 Transcanal endoscopic type 3 tympanoplasty with mastoid preservation as treatment in advanced chronic mucosal otitis media during the active phase.**
Ricardo Bartel (Bellvitge University Hospital)

● O25 Session Chronic Otitis Media (bFGF)

Thursday, December 8th 10:40 - 11:50 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Akinobu Kakigi** (Kobe University)
Ricardo Bartel (Bellvitge University Hospital)

- O25-1 Multi-Institutional Outcomes of In-Office Tympanic Membrane Repair**
Aaron K Remenschneider (UMass Memorial Medical Center / UMass Chan Medical School)
- O25-2 Regenerative Treatment for the Tympanic Membrane Perforation and the New Concept Tympanoplasty**
Shin-ichi Kanemaru (Department of Otolaryngology – Head and Neck Surgery, Medical Research Institute, Kitano Hospital, Osaka)
- O25-3 Efficacy of a tympanic membrane regeneration procedure with basic fibroblast growth factor by TEES**
Chikako Shinkawa (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine)
- O25-4 The effect of biologics on refractory otitis media and trans-canal endoscopic ear surgery with basic FGF.**
Takechiyo Yamada (Department of Otorhinolaryngology, Head and Neck Surgery, Akita University, Graduate School of Medicine, Akita, Japan)
- O25-5 Regenerative treatment for tympanic membrane perforation with calcification**
Tomoya Yamaguchi (Tazuke kofukai, Medical Research Institute, Kitano Hospital)
- O25-6 Outcomes of the Regenerative Treatment for Tympanic Membrane Perforation**
Rie Kanai (Department of otolaryngology, Head & Neck Surgery, Tazuke Kofukai Medical Research Institute Kitano Hospital)
- O25-7 The regenerative therapy of the tympanic membrane -Application to children-**
Shinichiro Kita (KITANO HOSPITAL)

● O26 Session Chronic Otitis Media (Myringoplasty)

Thursday, December 8th 13:30 - 14:50 ROOM 6 (Special Exhibition Hall (B))

Chairperson: **Yasue Uchida** (Aichi Medical University)
Hassan CHELLY (ENT AL FARABI CLINIC)

- O26-1 Comparison of long-term outcome of two endoscopic transtympanic myringoplasty for repairing large chronic perforations**
Zhengcai Lou (Department of Otorhinolaryngology, Yiwu central Hospital, Yiwu city, 322000, Zhejiang province)
- O26-2 ENDOSCOPIC NO-FLAP DIOD LASER MYRINGOPLASTY IN CHILDREN**
Irina Yu. Meytel (FSAU "NMIC of Children's Health" of the Ministry of Health of the Russian Federation)
- O26-3 Use of Endoscopic Porcine Small Intestinal Submucosa Graft Myringoplasty to Repair Tympanic Membrane Perforations**
Wei Liu (Department of Otolaryngology-Head and Neck Surgery, The Second Xiangya Hospital, Central South University, Changsha, Hunan 410011, China.)

- 026-4 Comparative study of transcanal endoscopic myringoplasty with butterfly dermal allograft and myringoplasty with fat tissue performed by a single experienced surgeon.**
DongJo Kim (Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National University College of Medicine, Pusan National University Yangsan Hospital)
- 026-5 Endoscopic cartilage graft myringoplasty without tympanomeatal flap elevation: a case series**
Michele Gaffuri (Department of Otolaryngology and Head and Neck Surgery, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan)
- 026-6 Endoscopic tympanoplasty with post-conchal perichondrium in repairing large-sized eardrum perforations**
Hsin-Chiao Hsu (Department of Otolaryngology-Head and Neck Surgery, Chang Gung Memorial Hospital, Taoyuan)
- 026-7 No more anatomic failure in myringoplasty ! Endoscopic procedure**
Hassan CHELLY (ENT AL FARABI CLINIC)
- 026-8 Transmeatal trans-perforation underlay endoscopic myringoplasty**
Ophir Handzel (Division of Otology and Neurology, Tel-Aviv Souraksy medical center)

● O27 Session Microscope and Endoscope

Thursday, December 8th 8:30 - 9:20 ROOM 7 (Large Conference Room)

Chairperson: **Yumi Ohta** (Osaka University)

Walter Kutz (The University of Texas Southwestern Medical Center)

- 027-1 Comparison of endoscopic and microscopic tympanoplasty in patients with chronic otitis media**
Qimei Yang (Shaanxi Provincial People's Hospital)
- 027-2 The Role of Endoscopy in Microscopic Ear Surgery**
Yusuke Takata (Department of Otorhinolaryngology, Juntendo University Faculty of Medicine)
- 027-3 Transcanal endoscopic versus microscopic tympanoplasty: Is there a difference in perforation closure rates?**
Walter Kutz (The University of Texas Southwestern Medical Center)
- 027-4 Clinical Features and Effect of Microscopical vs. Endoscopic Surgery of Simple Congenital Ossicular Chain Malformation**
Dongdong Ren (Department of Otorhinolaryngology, ENT Institute, Eye and ENT Hospital, Fudan University, Shanghai, China)
- 027-5 Dual endo-microscopic approach for otology**
Waleed Moneir Eid (Waleed Moneir Eid, Ass. Prof. ORL Head & Neck Surgery, Mansoura University Hospital)

● O28 Session Surgical instrument

Thursday, December 8th 9:20 - 10:30 ROOM 7 (Large Conference Room)

Chairperson: **Yu Yuasa** (Sendai Ear Surgicenter)

Glenn Jenkins (Ipswich Hospital)

- 028-1 Developing a "Ground Truth" for a Convolutional Neural Network Analysis of Endoscopic Ear Surgery Videos**
Mickey Kondo (Discipline of Surgery, Sydney Medical School, University of Sydney, Sydney)
- 028-2 Hyperspectral imaging in endoscopic ear surgery**
Glenn Jenkins (Dept. of Otolaryngology, Head & Neck Surgery, Ipswich Hospital, Queensland)
- 028-3 Innovative underwater endoscopic ear surgery - translation from bench to clinical treatment**
Daisuke Yamauchi (Department of Otolaryngology Head and Neck Surgery Tohoku University Graduate School of Medicine)
- 028-4 Research on Robot-Assisted Transcanal Endoscopic Ear Surgery**
Takeshi Fujita (Department of Otolaryngology-Head and Neck Surgery, Kobe University, Graduate School of Medicine)
- 028-5 Generation of Synthetic Tympanic Membrane Images: Development, Human Validation, and Implications of Synthetic Data**
Krish Suresh (Department of Otolaryngology-Head & Neck Surgery, Massachusetts Eye & Ear, Boston, Massachusetts, USA)
- 028-6 Validation of the novel Deep Reality Viewer (DRV) 3D digital stereo viewer in otology surgery**
Arun Iyer (University Hospital Monklands, Otolaryngology, Airdrie, Scotland)
- 028-7 Special instruments to eradicate pathology for the endoscopic ear surgery**
Yu Yuasa (Sendai Ear Surgicenter)

● O29 Session Exoscope and Virtual Endoscope

Thursday, December 8th 10:40 - 11:30 ROOM 7 (Large Conference Room)

Chairperson: **Yutaka Takumi** (Shinshu University School of Medicine)

- 029-1 The implementation of the 3D exoscope in lateral skull base surgery**
Nicola Bisi (Otolaryngology Head and Neck Surgery Department, University Hospital of Verona, Piazzale L.A. Scuro 10, 37134 Verona, Italy)

- O29-2 Exoscope Assisted Stapedotomy: Evaluation of Safety, Efficacy, and Our Experience**
Robert M. Conway (Ascension Providence Health System)
- O29-3 Functional advantages of the Exoscope in otologic surgery**
Yutaka Takumi (Department of Otorhinolaryngology - Head and Neck Surgery, Shinshu University School of Medicine)
- O29-4 C.T. Virtual Endoscopy of the Middle Ear “CTVE”**
Mahmoud Fawzy Mandour (Tanta University, Faculty of Medicine)
- O29-5 Lateral skull base surgical navigation using 3D-endoscopic surface reconstruction**
Ryan A. Bartholomew (Division of Otolaryngology, Dept. of Surgery, Brigham and Women’s Hospital, Boston, MA)

● P01 Anomaly and Foreign body

- P01-1 Pediatric Ear Canal Size as a Function of Age: Implications for Transcanal Endoscopic Ear Surgery**
Soomin Myoung (Department of Otolaryngology, UMass Chan Medical School, Worcester, MA)
- P01-2 Endoscopic management of unusual presentation of foreign body of ear: A case report**
Sailesh Acharya (Kathmandu ENT Hospital)
- P01-3 A case of transcanal endoscopic ear surgery for removal of cement foreign body in external auditory canal**
Seok Hyun Kim (Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National University College of Medicine, Pusan National University Yangsan Hospital)
- P01-4 Surgical Clipping for the Large Vestibular Aqueduct Syndrome ; A Case Report**
Yoshiyuki Sasano (Department of Otolaryngology, St. Marianna University School of Medicine)
- P01-5 A novel mutation of TCOF1 lead to ossicular chain malformation in patient with Treacher-Collins syndrome**
binjun chen (Otolaryngology department, Eye & ENT Hospital, Fudan University)
- P01-6 A case of congenital absence of the oval window treated with TEES**
Hisashi Sugimoto (Kanazawa University)

● P02 Auditory Implant

- P02-1 One Case of Vibrant Soundbridge at Left Ear and Cochlear Implant at Right Ear**
xiao jun Ji (Chinese PLA general hospital)
- P02-2 Endoscopy in cochlear implant surgery : What For ?**
Hassan CHELLY (ENT AL FARABI CLINIC)
- P02-3 The Semi-Invisible Cochlear Implant**
Ophir Handzel (Chief, Division of Otology and Neurology, Tel-Aviv Souraksy medical center)
- P02-4 Withdraw**

● P03 Basic 1

- P03-1 Graphene oxide quantum dots laden with curcumin enhance otoprotective effects via blocking cuproptosis signaling**
An Hu (Department of Otolaryngology-Head and Neck Surgery, Gongli Hospital, Second Military Medical University, Pudong New Area, Shanghai 200135, China.)
- P03-2 Comparison of moist and dry ear conditions on the healing of acute perforation of the tympanic membrane in rats**
Zihan Lou (Department of Otolaryngology-Head and Neck Surgery, Shanghai Jiao Tong University School of Medicine Affiliated Sixth People’s Hospital, Shanghai 200233,)
- P03-3 The Miniature Pig: A Large Animal Model for Cochlear Implant Research**
xiao jun Ji (Chinese PLA general hospital)
- P03-4 Treatment of autosomal recessive hearing loss via in vivo CRISPR/Cas9-mediated optimized homology-directed repair in mice**
Yilai Shu (ENT institute and Department of Otorhinolaryngology, Eye & ENT Hospital, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Fudan University)
- P03-5 Hippo/YAP signaling pathway protects against neomycin-induced hair cell damage in the mouse cochlea**
Maohua Wang (Department of Otolaryngology, Head and Neck Surgery, The First People’s Hospital of Foshan, Hearing and Balance Medical Engineering Technology Center of Guangdong)
- P03-6 The Time Course of Monocytes Infiltration After Acoustic Overstimulation**
Seong Hoon Bae (Department of Otorhinolaryngology, Yonsei University College of Medicine)
- P03-7 Efficiency of antioxidant Avenanthramide-C on high-dose methotrexate-induced ototoxicity in mice**
Hyong-Ho Cho (Department of Otorhinolaryngology, Chonnam National University Hospital)

● P04 Basic 2

- P04-1 Examination of angiogenesis and hypoxic response in the cochlea**
Akiko Taura (Department of Medical Engineering, Faculty of Health Science, Aino University)
- P04-2 FOXO3-mediated ciliogenesis during differentiation of temperature-sensitive mouse cochlear precursor hair cells**
Takuya Kakuki (Department of Otolaryngology, Sapporo Medical University School of Medicine)
- P04-3 Rho kinase and PKC α inhibitors promote primary cilia elongation and regulate cell behavior in temperature-sensitive mouse cochlear progenitor cells**
Akito Kakiuchi (Department of Otolaryngology, Sapporo Medical University School of Medicine)
- P04-4 Withdraw**
- P04-5 Fatty acid binding protein 7 deficiency: Effect on murine auditory function post noise exposure**
Jun Suzuki (Department of Otolaryngology-Head and Neck Surgery, Tohoku University Graduate School of Medicine)
- P04-6 Concentrated growth factors for tympanic membrane regeneration**
Takahiro Hanari (Department of Otolaryngology, Head and Neck Surgery, Ehime University School of Medicine)
- P04-7 Tinnitus, is hearing loss the real cause? A population-based study**
Sungwon CHAE (Korea University, College of Medicine)

● P05 Chole Surgical Technique

- P05-1 Protection of external auditory canal flap in underwater technique in Endoscopic cholesteatoma surgery**
Qiong Yang (Huazhong University of Science and Technology Union Shenzhen Hospital Nanshan People's Hospital)
- P05-2 Clinical application of a self-developed suction-irrigation device in endoscopic ear surgery for attic cholesteatoma**
YANG LI (The Second Affiliated Hospital, Xi'an Jiaotong University)
- P05-3 Three different types of tympanomeatal flap for the extensive middle ear cholesteatoma**
Yong Cui (Department of Otolaryngology-Head and Neck Surgery, Guangdong Provincial People's Hospital, Guangdong Academy of Medical Sciences)
- P05-4 Withdraw**

● P06 Cholesteatoma 1

- P06-1 Withdraw**
- P06-2 Otoendoscopic approach for congenital cholesteatoma in children: Our technique and experience**
Yu Sun (Department of Otorhinolaryngology, Union Hospital of Tongji Medical College, Huazhong University of Science and Technology)
- P06-3 TOTAL ENDOSCOPIC EXCISION OF STAGE-4 CONGENITAL CHOLESTEATOMA WITH SINGLE-STAGE HEARING RECONSTRUCTION**
Aswathi K V (Author)
- P06-4 Transcanal Endoscopic Retrograde Mastoidectomy on Demand + Reconstruction of Ossicular Train and EAC**
Yasin Abdurehim (Department of Otolaryngology, University of Hongkong Shenzhen Hospital)
- P06-5 Comparison of surgical results between 'atticosinuplasty' and canal wall up mastoidectomy for early-stage cholesteatoma**
Jeong Hun Jang (Department of Otorhinolaryngology Ajou University School of Medicine)

● P07 Cholesteatoma 2

- P07-1 Variability of the retrotympanum and its association with mastoid pneumatization in cholesteatoma patients**
Sven Beckmann (Department of Otorhinolaryngology, Head and Neck Surgery, Inselspital, University Hospital and University of Bern, Freiburgstrasse 15, 3010 Bern, Switzerland)
- P07-2 A novel constant suction bone-drilling technique and endaural endoscopic atticoantortomy based on it**
Zhen Gao (Department of Otolaryngology and Skull Base Surgery, Eye & ENT Hospital, Fudan University)
- P07-3 Treatment Results for Congenital Cholesteatoma using Transcanal Endoscopic Ear Surgery**
Il Woo Lee (Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National University College of Medicine, Pusan National University Yangsan Hospital)
- P07-4 A case of progressive hearing loss due to congenital cytomegalovirus infection complicated by congenital cholesteatoma**
Takashi Wada (Department of Otorhinolaryngology, Head and Neck Surgery, School of Medicine, Yokohama City University)
- P07-5 Minimally invasive endoscopic ear surgery for attic cholesteatoma**
Se Hyun Jeong (Department of Otolaryngology-Head and Neck Surgery, Chonnam National University Medical school and Chonnam National University Hospital, Gwangju)

- P07-6 Long term hearing alteration in patients with inner ear fistula**
Kentaro Yamada (Iwate Medical University)

● P08 Cholesteatoma 3

- P08-1 A case of conducted hearing loss with suspected spontaneous resolution of a congenital cholesteatoma.**
Yasuhiro Arai (Department of Otorhinolaryngology and Head and Neck Surgery, Yokohama City University School of Medicine)
- P08-2 Application of attic obliterate and attic reconstruction in endoscopic ear surgery of attic cholesteatoma**
Tao Wang (Wang Tao)
- P08-3 Our experience in cholesteatoma endoscopic surgery**
SERGIO ZARAGOZA (SEVERO OCHOA UNIVERSITARY HOSPITAL)
- P08-4 Case report of a congenital cholesteatoma attached to the tympanic segment of the facial nerve in a patient with Neurofibromatosis type1 (NF1)**
Yasuko Hirayama (Osaka Metropolitan University Graduate School of Medicine)
- P08-5 Photodynamic diagnosis of cholesteatoma using the 5-aminolevulinic acid: A preliminary study**
Taisuke Kobayashi (Department of Otolaryngology, Kochi Medical School)

● P09 Chronic Otitis Media (Myringoplasty)

- P09-1 Comparison of endoscopic myringoplasty with and without middle ear packing for repairing chronic perforation**
Zhengcai Lou (Department of Otorhinolaryngology, Yiwu central Hospital, Yiwu city, 322000, Zhejiang province)
- P09-2 The endoscopic transtympanic cartilage myringoplasty without freshed perforation margin and distal malleus handle for repairing medium sized perforation**
Zhengcai Lou (Department of Otorhinolaryngology, Yiwu central Hospital, Yiwu city, 322000, Zhejiang province)
- P09-3 Efficacy of endoscopic push-through perichondrial myringoplasty without tympanomeatal flap elevation**
Tae Hoon Lee (Department of Otorhinolaryngology-Head and Neck Surgery, Korea University College of Medicine)
- P09-4 The use of MECTRON piezo-electric system in EES Myringoplasty with Canalplasty**
Euan Paul Murugasu (Euan's ENT Surgery & Clinic Pte Ltd, Mt Elizabeth Medical Centre, #10-31, Singapore 329563)
- P09-5 Postoperative results of endoscopic and microscopic ear surgery for improved underlay myringoplasty**
Ryusuke Hori (Department of Otolaryngology - Head and Neck Surgery, School of Medicine, Fujita Health University)
- P09-6 The outcomes of endoscopic myringoplasty: packing with gelatin sponge versus packing with nothing**
Dan Wang (ENT Institute and Otorhinolaryngology Department, Affiliated Eye and ENT Hospital)
- P09-7 Application of Tympanic Flap Technique in Endoscopic Myringoplasty**
Kunjun Li (Li Kunjun)
- P09-8 The feasibility and treatment results of transcanal endoscopic myringoplasty**
Takatoshi Furukawa (Yamagata University Faculty of Medicine, Department of Otolaryngology, Head and Neck Surgery)

● P10 Chronic Otitis Media 1

- P10-1 Endoscopic Middle Ear Surgery Highlights**
Hassan CHELLY (ENT AL FARABI CLINIC)
- P10-2 TRANSCANAL ENDOSCOPIC MANAGEMENT OF SQUAMOSAL TYPE OF CHRONIC OTITIS MEDIA**
Ravi Meher (Maulana Azad Medical College, New Delhi)
- P10-3 An Analysis of Short-term Clinical Efficacy of Continuous Irrigating Mode for Endoscopic Ear Surgery on One-stage Tympanoplasty for the Treatment of Type III and IV Tympanosclerosis**
Lei Wang (No. 9 ZhangZhiDong Street, Wuchang District, Wuhan, Hubei, P. R. China)
- P10-4 Type 1 Endoscopic Tympanoplasty in Pediatric Population during 2020: experience during Covid-19 era**
Maurizio Levorato (San Juan De Dios Children's Hospital - Barcelona)
- P10-5 EES in Tympanoplasty : A Concept Not Only A Tool !**
Hassan CHELLY (ENT AL FARABI CLINIC)
- P10-6 Efficacy analysis of endoscopic tympanoplasty for tympanicsclerosis**
Wen Zhang (Shaanxi Provincial People's Hospital)

● P11 Chronic Otitis Media 2

- P11-1 Comparison of Endoscope assisted and Microscope assisted Ear surgery in Chronic otitis media (Squamous type) - A Randomized Clinical Trial.**
Sunil Kumar Saxena (Head of Otorhinolaryngology, JIPMER, Pondicherry, India)
- P11-2 The modified surgical technique reduces the early postoperative taste disturbance of type I endoscopic tympanoplasty: a prospective study with the retrospective control**
Yi-Bo Huang (ENT institute and Department of Otorhinolaryngology, Eye & ENT Hospital, Fudan University)
- P11-3 Extra Perichondrium Patch to Enhance Cartilage Graft for Improved Healing Rate of Endoscopic Cartilage Myringoplasty**
Bing Wang (Department of Otorhinolaryngology Head and Neck Surgery, Shaanxi Provincial People's Hospital)
- P11-4 Changed stability of columella by angle of operating table during ossiculoplasty**
Masahiro Komori (Department of Otolaryngology, Kochi Medical School)
- P11-5 Endoscopic type 3 tympanoplasty: Functional outcomes in chronic otitis media**
Marta Mesalles-Ruiz (Hospital Universitari de Bellvitge)
- P11-6 Comparison of surgical outcomes between ossicle-cartilage composite graft and synthetic ossicular prosthesis for ossicular reconstruction**
Jae-Hyun Seo (Dept. of Otolaryngology-HNS, Seoul St.Mary's Hospital, the Catholic University of Korea)

● P12 Clinic 1

- P12-1 A humanized murine model, demonstrating dominant progressive hearing loss caused by a novel KCNQ4 mutation (p.G228D) from a large Chinese family**
Chong Cui (ENT institute and Department of Otorhinolaryngology, Eye & ENT Hospital, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for BrainScience, NHC Key Laboratory of Hearing Medicine, Fudan University)
- P12-2 CHANGES IN SONOTUBOMETRY PARAMETERS OF PATIENT WITH CHRONIC RHINOSINUSITIS**
Thong Chi Le (ENT Department, Hue Central Hospital)
- P12-3 Management of SSNHL Among PHC Family Physicians In Riyadh, Saudi Arabia 2022.**
Abdulrahman M. Aloufi (Department of Basic Medical Sciences, College of Medicine, AlMaarefa University, Riyadh, Saudi Arabia)
- P12-4 Endoscopic visualization and electrophysiological measurement of the stapedius reflex threshold**
Yusuke Okanou (Department of Otolaryngology, Tenri Hospital)
- P12-5 Evaluation of Carbonate Apattite as a Candidate of Artificial Bone for Ear Surgery**
Hideaki Ogita (Shiga Medical Center Research Institute)
- P12-6 Long-term Changes of Hearing Thresholds and Eustachian Tube Function After Endoscopic and Fluoroscopic Balloon Dilatation of the Eustachian Tube in Patients With Chronic Otitis Media**
Hong Ju Park (Department of Otorhinolaryngology-Head and Neck Surgery, Asan Medical Center, University of Ulsan College of Medicine)
- P12-7 Temperature and luminosity outputs of endoscopes used in transcanal endoscopic ear surgery; an experimental study**
Mehaab Jaffer (Department of Otolaryngology, University Hospital Monklands, Airdrie, ML6 0JS)
- P12-8 Transtympanic Management Of Eustachian Tube Dysfunction Secondary To Obstruction Of The Protympanum**
Marc Dean (Ear and Sinus Institute)

● P13 Clinic 2

- P13-1 Clinical analysis of otolith abnormal migration during canalith repositioning procedures for benign paroxysmal positional vertigo**
zhiling Chen (Hangzhou TCM Hospital)
- P13-2 Sensorineural hearing loss affects functional connectivity of the auditory cortex, parahippocampal gyrus and inferior prefrontal gyrus in tinnitus patients**
Junming Chen (Department of Otolaryngology, The First People's Hospital of Foshan)
- P13-3 Endoscopic intra-tympanic steroid treatment for acute low frequency sensorineural hearing loss without vertigo: prospective controlled study.**
Yong-Hwi An (Department of Otorhinolaryngology-Head and Neck Surgery, Nowon Eulji Medical Center, Eulji University School of Medicine, Seoul)
- P13-4 Effects of Glycemic Control on Hearing Outcomes in Diabetes Patients With Idiopathic Sudden Sensorineural Hearing Loss**
Hoyoung Lee (Department of Otorhinolaryngology-Head and Neck Surgery, Korea University College of Medicine)
- P13-5 Evaluation of Hearing Impairment in Multiple Sclerosis: Multicentric Prospective Study**
Aynur Aliyeva (The Catholic University of Korea Seoul St.Mary Hospital . Otorhinolaryngology Department)

● P14 Clinic 3

- P14-1 MD twins with congenital deafness due to GJB2 compound heterozygous mutation who underwent simultaneous bilateral cochlear implantation -A case report-**
Masahiro Hemmi (Department of Otorhinolaryngology and Head and Neck Surgery, Yokohama City University School of Medicine)
- P14-2 Clinical Features of Non-lateralized Tinnitus**
Ho Yun Lee (Ewha Womans University)
- P14-3 Withdraw**
- P14-4 The clinical course of otitis media with ANCA-associated vasculitis**
Naoko Murai (Kyoto Prefectural University of Medicine)
- P14-5 Sudden sensorineural hearing loss after COVID-19 vaccination**
Junhui Jeong (Department of Otorhinolaryngology, National Health Insurance Service Ilsan Hospital)
- P14-6 Clinical significance of estimated pulse wave velocity in idiopathic sudden sensorineural hearing loss**
Jae Ho Chung (Department of Otolaryngology-Head and Neck Surgery, School of Medicine, Hanyang University)
- P14-7 Hearing, auditory processing, and cognitive abilities in older adults in Hong Kong**
Anna C.S. Kam (Department of Special Education and Counselling, The Education University of Hong Kong)

● P15 Exoscope

- P15-1 Ear surgery using ORBEYE**
Yukihiro Kimura (Department of Otorhinolaryngology - Head and Neck Surgery, University of Fukui)
- P15-2 The efficacy of exoscope in otologic surgery for children with cervical spine instability and cervical spine immobilization**
Watabe Takahisa (Division of Otolaryngology, National Center for Child Health and Development)
- P15-3 Withdraw**
- P15-4 Comparison of exoscope and microscope in mastoidectomy**
Se-Joon Oh (Pusan National University)
- P15-5 Case report: High-Definition Exoscope for severe delayed endolymphatic hydrops**
Shinsuke Kaneshiro (Department of Otorhinolaryngology - Head and Neck Surgery, Iwate Medical University)

● P16 External Auditory Canal

- P16-1 Surgical result of resection of benign neoplasm on the external auditory canal using transcanal endoscopic ear surgery.**
Hyun min Lee (Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National University College of Medicine, Pusan National University Yangsan Hospital)
- P16-2 Withdraw**
- P16-3 A case of congenital aural atresia complicated by cholesterol granuloma**
Kohei Yoshida (Yokohama city university hospital)
- P16-4 Combination of transcanal and percutaneous EES to advanced external auditory canal cholesteatoma**
Shigefumi Morioka (Japanese Red Cross Kyoto Daini Hospital)
- P16-5 Endoscopic Management of Verruca Vulgaris in the External Ear Canal—Case Report**
Kai-Yi Shih (School of Traditional Chinese Medicine, College of Medicine,, Chang Gung University, Taoyuan)

● P17 Microscope and Endoscope

- P17-1 Comparison of endoscopic and microscopic tympanoplasty.**
masayuki okamoto (Division of Otorhinolaryngology Head and Neck surgery, Department of Sensory and Locomotor Medicine, Faculty of Medical Sciences, University of Fukui)
- P17-2 Video Learning: A Randomized Comparison of Microscopic, 2- and 3-Dimensional Endoscopic Ear Surgery**
Lukas Anschuetz (Department of Otorhinolaryngology, Head and Neck Surgery, Inselspital, University Hospital, University of Bern)
- P17-3 Teaching Middle Ear Anatomy: Endoscope vs Microscope**
Douglas Chieffe (Department of Otolaryngology-Head and Neck Surgery, Harvard Medical School, Massachusetts Eye and Ear Infirmary)
- P17-4 Stapes surgery under the endoscope and microscope**
Taro Inagaki (Department of Otorhinolaryngology / Head and Neck Surgery, Tokyo Medical University)
- P17-5 Comparison of surgical outcomes in endoscopic and microscopic stapes surgery**
Kengo Oe (Tenri Yorozu hospital)
- P17-6 Microscopic Versus Endoscopic Stapes Surgery: A Systematic Review and Metaanalysis**
Giannis Hajioannou (Department of Otorhinolaryngology - Head and Neck Surgery, University Hospital of Larissa, Greece)

● P18 Neurotologic Surgery

- P18-1 A novel endoscopic assistant translabyrinthine approach for huge petrous bone cholesteatoma removal**
Ya-sheng Yuan (Department of Otolaryngology and Skull Base Surgery, Eye & ENT Hospital, Fudan University)
- P18-2 Endoscopic transcanal surgery for the Glomus Tympanicum Tumor**
Wuqing Wang (Eye & ENT Hospital of Fudan University)
- P18-3 The surgery of tumors in the Eustachian tube under the endoscopy in middle ear**
Dongdong Ren (ENT Institute and Otorhinolaryngology Department, Affiliated Eye and ENT Hospital, Fudan University, Shanghai, China)
- P18-4 Endoscopic management of glomus tympanicum tumor: Report of three cases and review of the literature**
Giannis Hajjioannou (University General Hospital of Larisa)
- P18-5 Removal of middle ear paragangliomas (glomus tympanicum) via transcanal endoscopic surgery**
Yuichi Konishiike (Department of Otolaryngology Head and Neck Surgery, Kobe University School of Medicine)
- P18-6 Total Endoscopic Approach in Glomus Tympanicum Surgery**
Ahmad Daneshi (ENT and Head & Neck Research Center and Department, The Five Senses Health Institute, School of Medicine, Iran University of Medical Sciences)
- P18-7 Feasibility of Total Transcanal Endoscopic Excision of Middle Ear Paraganglioma**
Junhui Jeong (Department of Otorhinolaryngology, National Health Insurance Service ILSAN Hospital)

● P19 Other 1

- P19-1 Transcanal Endoscopic Excision of a Glomus Tympanicum (GT) under a Novel Continuous Irrigating Mode for Endoscopic Ear Surgery (CIM-EES) with a newly invented micro-ablation device**
Hua Liao (Center of Otorhinolaryngology Head and Neck Surgery, Renmin Hospital of Wuhan University)
- P19-2 Transcanal Endoscopic Ear Surgery with Piezoelectric Device for External Auditory Canal Lesions**
Jeong Hwan Choi (Otorhinolaryngology, Inje University Sanggye Paik hospital)
- P19-3 The effectiveness of the two-surgeon two-handed technique for the elevation of tympanomeatal flap during endoscopic myringoplasty**
Chao-Hui Yang (Kaohsiung Chang Gung Memorial Hospital)
- P19-4 Learning curve comparable study of Microscopic and Endoscopic Type 1 Tympanoplasty: a year result of the beginner otologist**
Hyun Su Lee (Department of Otorhinolaryngology – Head and Neck Surgery, Yonsei University Wonju College of Medicine, Wonju)
- P19-5 “Algorithm Of Grafting Types” in Endoscopic Type 1 Tympanoplasty**
Aynur aliyeva (The Catholic University of Korea Seoul St.Mary Hospital . Otorhinolaryngology Department)
- P19-6 Withdraw**
- P19-7 An Analysis of Pre-operative Clinical Factors in Endoscopic Ossicular Chain Reconstruction**
Aparna Govindan (Icahn School of Medicine-Mount Sinai Health System)

● P20 Other 2

- P20-1 “Pseudo-Cerebrospinal Fluid Leak” in Patients Undergoing Endoscopic Type I Tympanoplasty**
Divya A. Chari (Massachusetts Eye and Ear/ Harvard Medical School)
- P20-2 Microscopic vs Endoscopic Ear Surgery for Congenital Ossicular Anomaly**
JIn Woong Choi (Department of Otorhinolaryngology–Head and Neck Surgery, College of Medicine, Chungnam National University)
- P20-3 Experience of transcanal endoscopic ear surgery for malleus bar and stapes bar**
Nanako Ansai (Department of Otolaryngology–Head and Neck Surgery, Tohoku University Graduate School of Medicine)
- P20-4 Demonstration of handling the endoscope and the instruments during practicing endoscopic ear surgery: simultaneous Exo - Endo recording.**
Waleed Moneir Eid (Waleed Moneir Eid, Ass. Prof. of ORL Head & Neck Surgery - Mansoura University Hospital)
- P20-5 Transcanal Endoscopic Ear Surgery for Adhesive otitis media**
Jin Zhang (Department of Otorhinolaryngology Head and Neck Surgery, Shaanxi Provincial People's Hospital)
- P20-6 Why the Asian older adults are reluctant to use hearing devices: A pilot study of a behavioural therapy**
Iris H.-Y. Ng (Department of Otorhinolaryngology, Head and Neck Surgery, The Chinese University of Hong Kong)

● P21 Other 3

- P21-1 Patient reported satisfaction in patients undergoing endoscopic ear surgery**
Rafael Hijano (Hospital del Mar, Barcelona)
- P21-2 Clinical characteristics and surgical results of 44 cases of acquired stenosis or atresia of the external auditory canal**
Yan Qiao (The First Affiliated Hospital of Air Force Military Medical University)
- P21-3 Transcanal Endoscopic Approach for Pulsatile Tinnitus Caused by Jugular Bulb Diverticulum**
Yue-Lin Hsieh (Department of Otolaryngology and Skull Base Surgery, Eye Ear Nose & Throat Hospital, Fudan University, Shanghai)
- P21-4 Does endoscopic approach, material and ossicle state affect outcomes of ossiculoplasty?**
Holli Coleman (Queen Elizabeth University Hospital, Glasgow, Scotland)
- P21-5 Endoscopic Tympanomastoid surgery five year outcome**
Sachin C Patil (Ipswich Hospital NHS trust, East Suffolk and North Essex Foundation Trust)

● P22 Other 4

- P22-1 Transcanal endoscopic ear surgery for traumatic ossicular injury**
Min-Su
Da-Beom Heo (Department of Otorhinolaryngology, Head & Neck Surgery, College of Medicine, Chungnam National University)
- P22-2 In-Office Otoendoscopy may Improve Patient Satisfaction: A Randomized Cohort Study**
Aparna Govindan (Icahn School of Medicine-Mount Sinai Health System)
- P22-3 Evaluation of the FaCE Scale in patients after facial nerve decompression surgery**
Eriko Nishihara (Department of Otorhinolaryngology, Head and Neck Surgery, Ehime University)
- P22-4 Traumatic perilymphatic fistula caused by a camellia branch**
Natsumi Uehara (Department of Otolaryngology Head and Neck Surgery, Kobe University School of Medicine)
- P22-5 Setting up Endoscopic Ear Surgery in Private Clinic**
Sangheon Park (Clean Air ENT Clinic)
- P22-6 Use of an Affordable USB Otoendoscope in Selected Office-based Otologic Procedures**
MELANIE GRACE YAP CRUZ (Far Eastern University - Dr. Nicanor Reyes Medical Foundation)

● P23 Otosclerosis 1

- P23-1 Is CT scan necessary in fenestral otosclerosis?**
Sunil Kumar Saxena Saxena (Head of Otorhinolaryngology, JIPMER, Pondicherry, India)
- P23-2 Unexpected facial nerve bifurcation in stapes surgery**
Yanqing Fang (Laryngeal Physiology Laboratory, University of Wisconsin – Madison, Madison, Wisconsin, United States)
- P23-3 Whether cochlea involvement on CT in otosclerosis patients impacts the effect of stapedotomy**
Yanqing Fang (ENT Institute and Department of Otorhinolaryngology, Eye & ENT Hospital, State Key Laboratory of Medical Neurobiology, Fudan University, Shanghai 200031, China;.Institutes of Biomedical Sciences, Fudan University, Shanghai 200031, China;)
- P23-4 Pivot role of endoscopy in preserving chorda tympani function during stapes surgery**
Waleed Moneir Eid (1- Waleed Moneir Eid, Ass. Prof. of ORL Head & Neck Surgery, Mansoura University Hospital, Mansoura City)
- P23-5 Endoscopic Stapedotomy: Single Center Experience**
Ophir Handzel (Division of Otolaryngology and Neurology, Department of Otolaryngology, Tel-Aviv Sourasky medical center)
- P23-6 “Hot” vs “Cold” endoscopic stapes surgery: a matched case-control study**
Cecilia Lotto (Department of Otolaryngology - Head and Neck Surgery, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Policlinico S.Orsola-Malpighi, Bologna, Italy)

● P24 Otosclerosis 2

- P24-1 Endoscopic Stapedotomy in the Treatment for Otosclerosis with the Low Position of Facial Canal: A Case Report**
Xianhai Zeng (Department of Otolaryngology, Longgang E.N.T hospital & Shenzhen Key Laboratory of E.N.T, Institute of E.N.T Shenzhen, China)
- P24-2 Otosclerosis Surgery : What More With The Endoscope ?**
Hassan CHELLY (ENT AL FARABI CLINIC)
- P24-3 Experience in endoscopic stapedotomy technique and its audiological outcome: a case series**
Nazik Elfadil Abdullah ()
- P24-4 Prediction of the ideal prosthesis size in stapes surgery by ultra-high-resolution computed tomography**
Shunsuke Kondo (Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of Ryukyus)

P24-5 A case of absent stapedial tendon with stapes footplate fixation
Kyoko Shirai (Tokyo Medical University)

P24-6 Withdraw

● P25 Surgical Innovation

P25-1 Canalplasty using underwater bone drilling technique in transcanal endoscopic myringoplasty
Quanming Zhang (Department of Otorhinolaryngology, Head and Neck Surgery, Huazhong University of Science and Technology Union Shenzhen Hospital (Nanshan Hospital))

P25-2 Patulous eustachian tube after balloon eustachian tuboplasty in a post-radiation patient
Soo-Keun Kong (Department of Otorhinolaryngology and Biomedical Research Institute, Pusan National University Hospital, Busan)

P25-3 Bone Curette Handle
Yu Matsumoto (Tokyo Metropolitan Police Hospital)

P25-4 Application of artificial intelligence for detecting cholesteatoma in endoscopic images
Toru Miwa (Department of Otolaryngology, Osaka Metropolitan University School of Medicine)

P25-5 Preoperative evaluation of chorda tympani with ultra-high-resolution computed tomography
Teruyuki Higa (Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of the Ryukyus)

● P26 surgical training

P26-1 Exclusive Endoscopic Laser-Stapedotomy: Feasibility of an Ovine Training Model
Sven Beckmann (Department of Otorhinolaryngology, Head and Neck Surgery, Inselspital, Bern University Hospital, University of Bern, Bern, Switzerland)

P26-2 Outcomes and Learning Curve of Endoscopic Tympanoplasty: A Retrospective Analysis of 376 Patients
Bokhyun Song (Department of Otorhinolaryngology-Head and Neck Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine)

P26-3 How do we teach endoscopic ear surgery? A qualitative analysis of strategies in literature.
Samantha J. Goh (Department of Otolaryngology – Head and Neck Surgery, Hospital for Sick Children, University of Toronto)

P26-4 Investigating the translational value of prior endoscopic sinus experience for learning endoscopic ear surgery.
Aparna Govindan (Mount Sinai Health System)

P26-5 Functional results and learning curve of endoscopic ossiculoplasty
Jong Dae Lee (Department of Otorhinolaryngology-Head and Neck Surgery, Soonchunhyang University College of Medicine, Bucheon Hospital, Bucheon, Republic of Korea)

● P27 Vestibular Schwannoma

P27-1 Endoscopic surgery for acoustic neuroma in the cochlear and internal auditory canal
Wuqing Wang (Eye & ENT Hospital of Fudan University)

P27-2 A Novel Continuous Irrigating Mode for Endoscopic Ear Surgery (CIM-EES) for Transcanal Transpromontorial Vestibular Schwannoma (VS) Removal: A Case Series
Hua Liao (Center of Otorhinolaryngology Head and Neck Surgery, Renmin Hospital of Wuhan University)

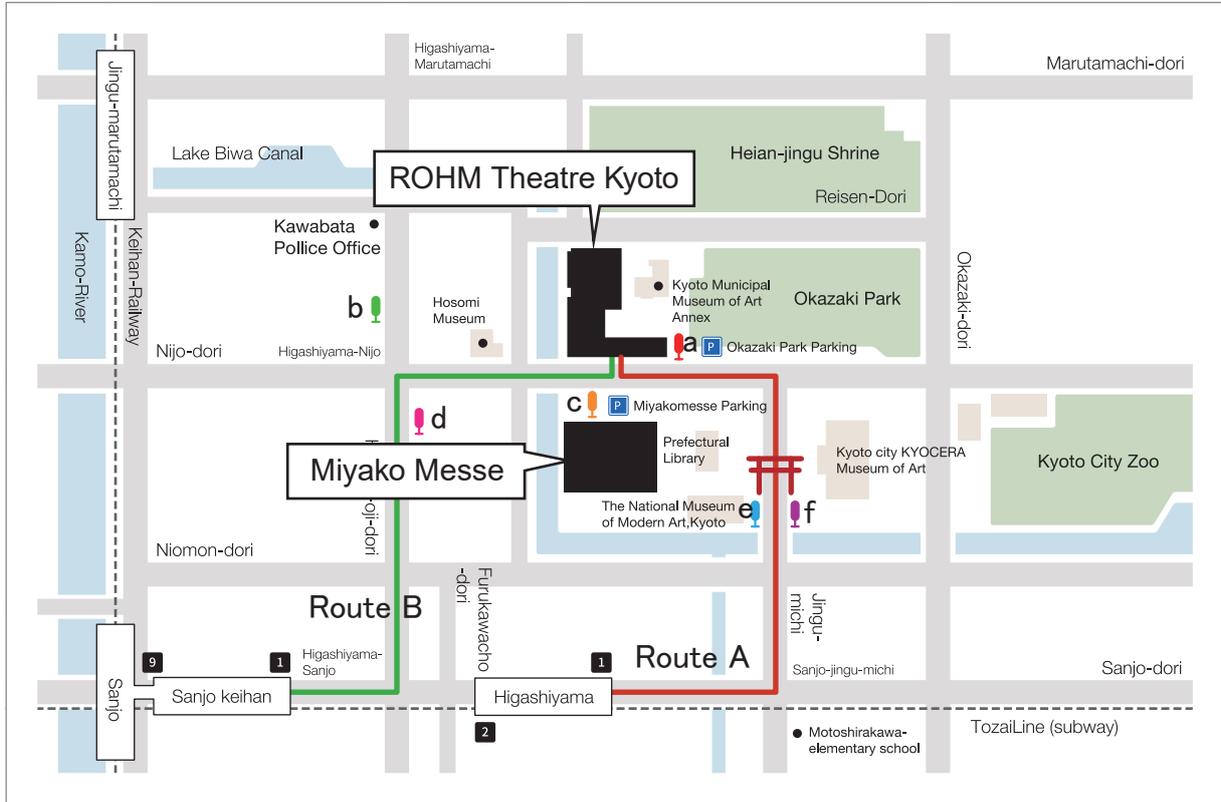
P27-3 Hearing Rehabilitation using Bone Conduction Implants in Patients with Single-Sided Deafness after Vestibular Schwannoma Removal
Yujin Lee (Department of Otorhinolaryngology, Yonsei University College of Medicine)

P27-4 Fully Endoscope Resection of Intralabyrinthine Schwannomas
Jingfang Wu (Department of Otorhinolaryngology, ENT Institute, Eye and ENT Hospital, Fudan University)

P27-5 Endoscopic-Assisted Keyhole Middle Cranial Fossa Approach for Small Vestibular Schwannomas
Gina Na (Department of Otorhinolaryngology, Inje University College of Medicine, Ilsan Paik Hospital)

P27-6 Endoscope-assisted retrolabyrinthine approach under Reinforced Continuous Intraoperative Monitoring
Makoto Hosoya (Keio university, school of medicine, department of otolaryngology)

Access Map - ROHM Theatre Kyoto / Miyako Messe



ROUTE A From Higashiyama Station

Leave the station and walk east along Sanjo-dori, turning left at the Sanjo-jingu-michi intersection.
Go straight up Jingu-michi, through the large shrine gate.
Turn left when you reach Okazaki Park and ROHM Theatre Kyoto is on the right.

ROUTE B From Sanjo Station

Leave the station from Exit 9 and walk east along Sanjo-dori, turning left at the Higashiyama-sanjo intersection.
Proceed along Higashi-oji-dori and then turn right at the Higashiyama-nijo intersection.
Walk straight along Nijo-dori. ROHM Theatre Kyoto is on your left after you cross the canal.

Bus destinations from the nearest stations by the theatre

- a** Okazaki koen/ROHM Theatre Kyoto/ Miyako messe mae
32 Ginkakuji Temple
46 Shijo Kawaramachi, Kamigamo-jinja Shrine

- c** Okazaki koen/ROHM Theatre Kyoto/ Miyako messe mae
32 Shijo Kawaramachi, Nishikyogoku

- e** Okazaki koen/Bijutsukan/Heian-jingumae
5 Ginkakuji-Temple, Shugakuinmichi, Iwakura Soshajo-mae

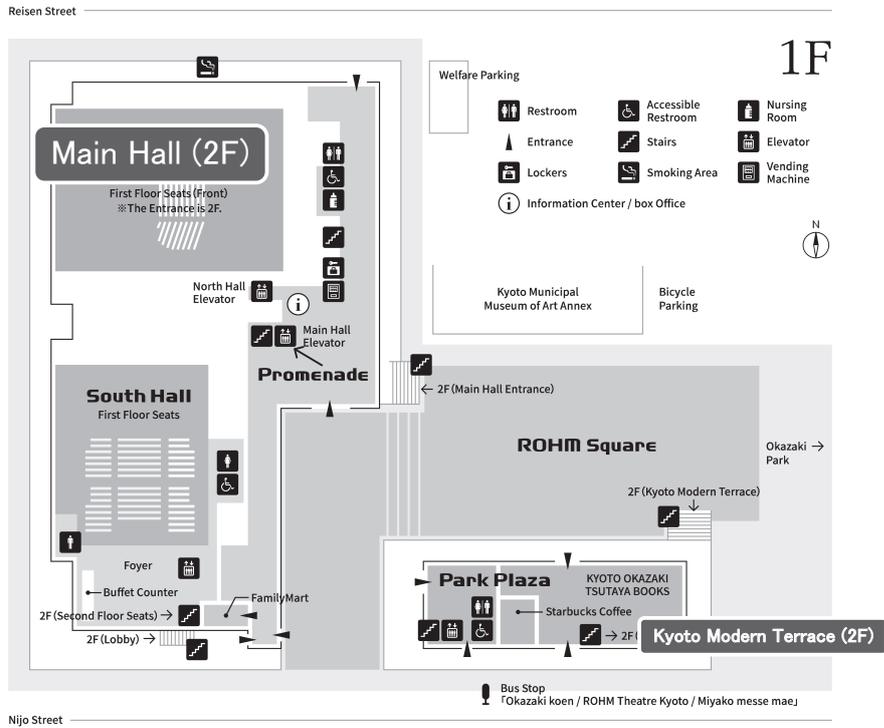
- b** Higashiyama Nijo/Okazakikoenguchi
31 Ichijoji Shimizucho, Kokusai Kaikan
201 Hyakumanben, Senbon Imadegawa
202 Kumano Jinja, Nishinokyo Enmachi
203 Kinrin Shako, Ginkakuji-Temple
206 Takano, Kitaaji Bus Terminal

- d** Higashiyama Nijo/Okazakikoenguchi
31 Gion, Shijo Karasuma
201 Gion, Shijo Omiya
202 Kiyomizudera Temple, Tofukuji Temple Kuji Shako
203 Gion, Nishioji Shijo
206 Kiyomizudera Temple, Higashiyama Nanajo, Kyoto Station

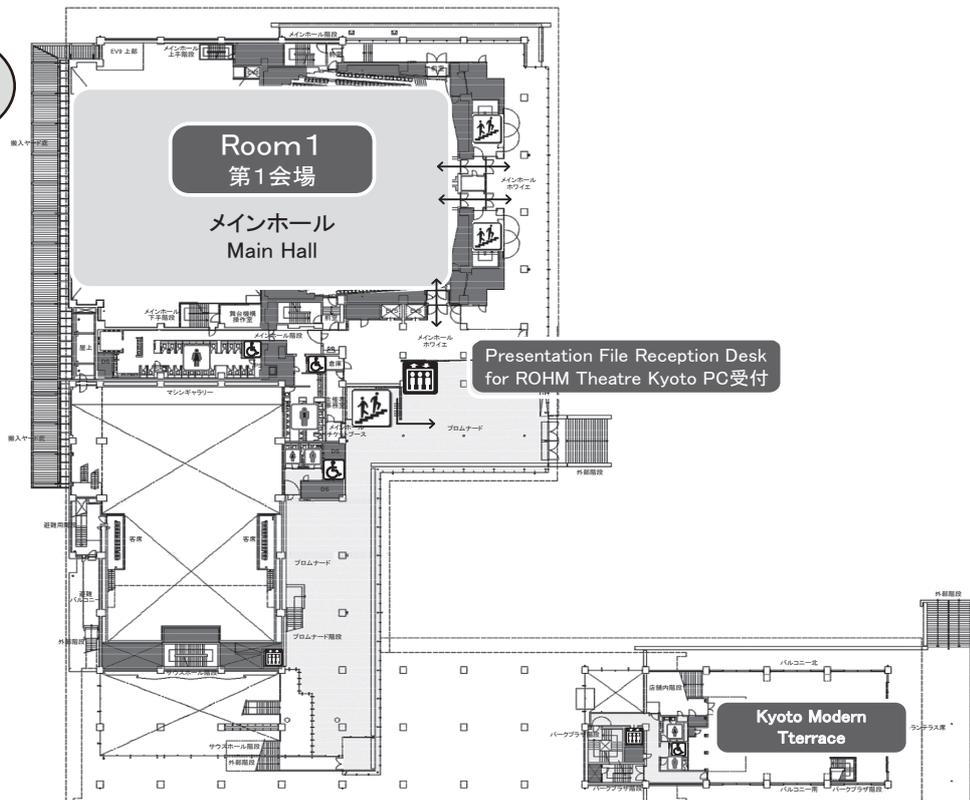
- f** Okazaki koen/Bijutsukan/Heian-jingumae
5 Kyoto Station
46 Shijo Kawaramachi, Kamigamo-jinja Shrine
86 Sanjo-keihan, Shijo Kawaramachi

Floor Guide - ROHM Theatre Kyoto

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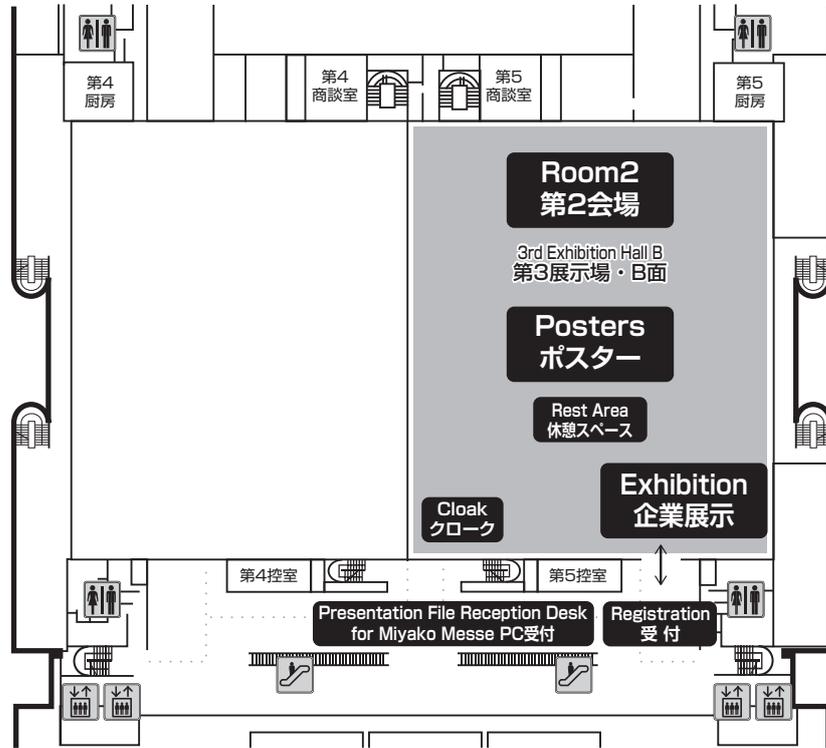


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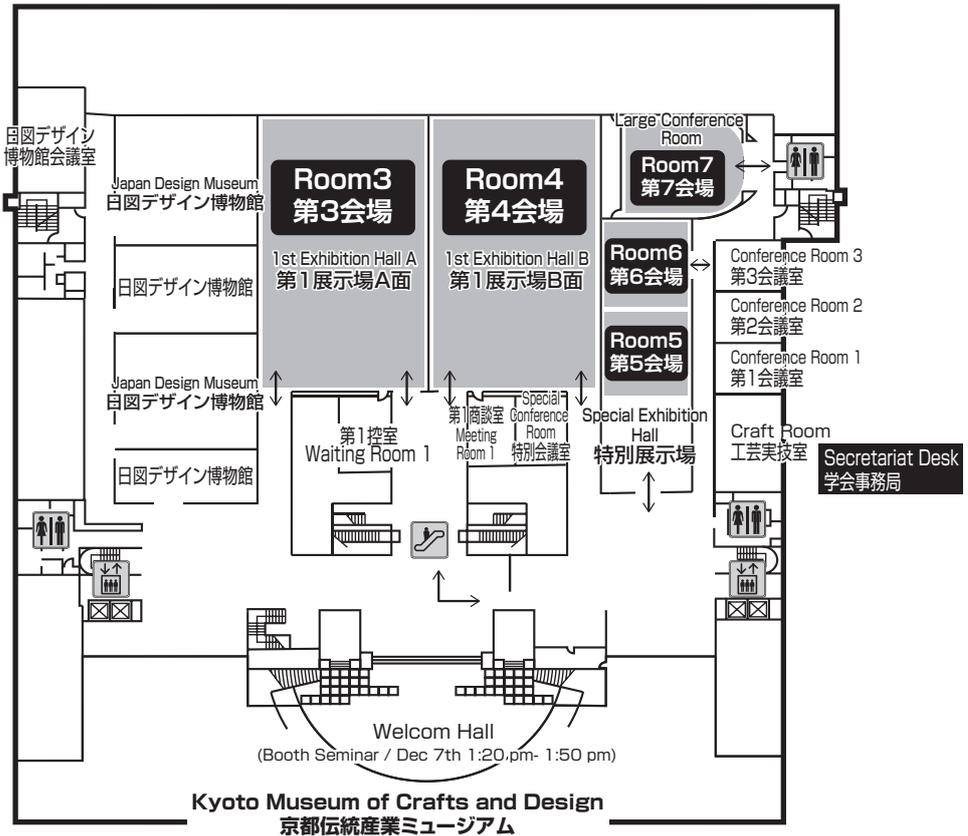


Floor Guide - Miyako Messe

3F



B1F



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Social Event Schedule

Opening Ceremony

Date & Time: December 5th, 6:30-7:00 p.m.

Venue: Room 1 (ROHM Theatre Kyoto 2F Main Hall)

Celebrate the opening of the 4th World Congress on Endoscopic Ear Surgery with colleagues gathering from around the world. We will hear from the Guests of Honor and Mayor of Kyoto.

A special Ikebana Performance will be given by Mr. Ryuho Sasaoka, the head of the Mishoryu-Sasaoka Ikebana School.

We will also be treated to a performance on the koto (Japanese harp) by Ms. Shoko Otani.

Come and join us!

Welcome Reception (Buffet)

*Included in the Registration Fee

Date & Time: December 5th, 7:00 p.m.

Venue: Kyoto Modern Terrace
(ROHM Theatre Kyoto, Park Plaza 2F)

Dress Code: Smart Casual

Please feel free to join us for a light meal, drinks and good conversation.

Faculty Dinner (Sit down style)

*Registration by invitation only.

Date & Time: December 6th, 7:00 p.m.-

Venue: The Higashiyama in the Sodoh Higashiyama Kyoto
366 Yasaka Kami-machi, Yasakadori Shimokawara Higashi-iru, Higashiyama-ku, Kyoto City
Dress Code: Business attire

You can join a night-time tour of the Kodai-ji Zen temple before dinner.

Please meet at the Sodoh Higashiyama Kyoto at 6:00 p.m.

Gala Dinner (Sit down style)

*Pre-registration required

Date & Time: December 7th, 7:00 p.m.-

Venue: Hotel Okura KYOTO 4F banquet hall "Gyoum"
Kawaramachi-Oike, Nakagyo-ku, Kyoto-city

Dress Code: Semi-formal

Enjoy French cuisine prepared with local ingredients for a unique experience of delicacies of Japan.

*Those who have opted to wear a kimono should gather in the small banquet halls "Kame" and "Tsuru" on the 5F in the Hotel Okura KYOTO (Pre-registration required).

The time to meet will be announced individually.

Kyoto Ramen Culture

Today Japanese Ramen is very famous and popular all over the world. Many foreigners love Japanese Ramen. Ramen originated in China and is a Japanese adaptation of Chinese wheat noodle soups.



Typical Kyoto Ramen by RANTAN



Homemade Ramen by Shin-ichi

According to historians, the most plausible theory is that Chinese immigrants living in Yokohama Chinatown introduced Ramen to Japan in the late 19th or early 20th century. In 1910, the first Ramen restaurant, *Rairai-ken* (来々軒), opened in Asakusa, Tokyo. In 1958, instant noodles were invented by Momofuku Ando, the Taiwanese-Japanese founder and chairman of Nissin Foods. Named the most significant Japanese invention of the 20th century in a Japanese poll, instant Ramen allowed anyone to approximate this dish by simply adding boiling water. In the 1980s, Ramen became a Japanese cultural phenomenon and had spread throughout the world. At the same time, local varieties of Ramen were hitting the national market. They could even be order by their regional names. As a result, today, Ramen is one of Japan's most popular foods.

Many Ramen restaurants have franchised shops which originated in Kyoto. For example, Sapporo Ramen or Hakata Ramen is famous for "Miso Ramen" or "Tonkotsu Ramen," respectively. Kyoto Ramen, however, is very different from these Ramens and cannot be expressed with one word. Instead, Kyoto Ramen is a general term for the three types of Ramen.

1. Shoyu (soy sauce) Ramen with thick soup made of pork bone and meat.
Shinpuku-saikan: Origin of Kyoto Ramen, Dai-ichi Asahi and Ramen-Fuji.
2. Shoyu Ramen with chicken bone soup mixed with pork back fat
Masutani: Origin, Hosokawa, Rairai-tei and Kairiki-ya.
3. Rich white/brown soup made from chicken bone stock
Tenka-ippin and Ten-ten-You.



Ichijoji Ramen Restaurants

Most Ramen in Kyoto is made with a rich soup base which contrasts to the image of Kyoto's more light cuisine. Why such a rich Ramen took root is unknown, and Kyoto ramen culture represents a contrasting trend in Kyoto's food culture. You can enjoy organic or vegan Ramen that a French chef cooks in an artistic atmosphere like a fancy restaurant. The Michelin Guide even lists some Ramen restaurants. Ramen in Kyoto is continuing to evolve into not mere Ramen but an independent cuisine.

We recommend that all EES2022 participants take a stroll through the Ichijoji Ramen Street which you can find at the following link.

<https://kyoto-kanko.net/en/kyoto-spot/ichijoji-ramen-street/>

Please take the time to enjoy Kyoto Ramen!



Vice Chair of EES2022
Shin-ichi Kanemaru

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ミッドスカラ電極

- デリケートな蝸牛組織の保護に配慮したデザイン¹⁾²⁾。

1) Hassepass F, Bulla S, Maier W, Laszig R, Arndt S, Beck R, Traser L, Aschendorff A; The New Mid-Scala Electrode Array: A Radiologic And Histologic Study In Human Temporal Bones. *Otology & Neurotology* 2014; 35(8):1415-20
2) Maja Svrakic, J. Thomas Roland Jr, Sean O. McMenomey, and Mario A. Svirsky. Initial Operative Experience and Short-term Hearing Preservation Results With a Mid-scala Cochlear Implant Electrode Array. *Otol Neurotol*. 2016 Dec;37(10):1549-1554.

- 本品と組み合わせて使用可能な体外部構成部品（サウンドプロセッサ）

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- ③ ナイダ CI 医療機器承認番号：22900BZX00234000

製造販売業者：①②株式会社日本バイオニクス ③日本光電工業株式会社

販売名：ハイレゾ ウルトラ
外国製造業者：Advanced Bionics, LLC（アメリカ合衆国）

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* カタログをご希望の方は当社までご請求ください。

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science made smarter



Titan WBT

タイタンワイドバンドティンパノメトリー

インピーダンス、
ワイドバンドティンパノメトリー、
OAE、自動ABRを
1 台の検査装置で
実施可能

タイタンのワイドバンドティンパノメトリー (WBT)により、中耳についての理解が深まります。WBTは、鑑別診断に新たな次元の情報をもたらします。

1回の測定で複数のティンパノグラム

広範囲にわたる周波数と圧力のティンパノメトリーを表示した3Dグラフが病態の鑑別に役立ちます。ピーク圧での測定の代わりに、クリック音を用います。

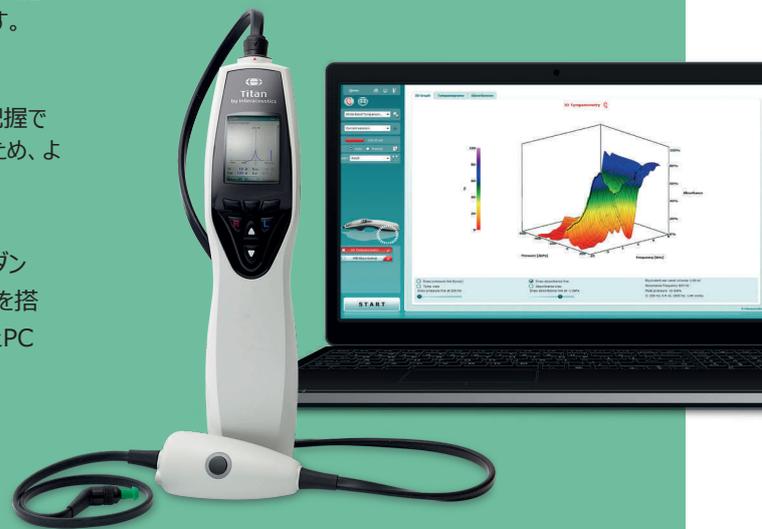
3D グラフ

3Dグラフでは、全周波数および全圧力における中耳の状態を即座に把握できることに加え、アブソーバンスが表示されます。中耳の状態が示されるため、より精度の高い診断を実現できます。



タイタンはインピーダンスオージオメータでインピーダンスのほかにOAEおよび自動ABR検査モジュールを搭載することができます。また、本体および接続したPCからの操作が可能です。

タイタンの製品ページは
こちらから！



医療機器認証番号：224AABZX00118000


Interacoustics

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