Keynote Lectures

**Keynote Lecture 1**  June 4th, Monday 9:10~9:40  Room 1

KL-1  Cholesteatoma Surgery Controlled Evaluating more than 11.000 Interventions of the Würzburg Ear-File

Moderator:  Kimitaka Kaga  
*National Institute of Sensory Organs, National Tokyo Medical Center, Japan*

Jan Helms¹, Franz Schön¹, Joachim Müller²  
¹Univ.-HNO-Klinik Würzburg, Germany  
²LMU-Univ.-HNO-Klinik, Muenchen, Germany

**Keynote Lecture 2**  June 4th, Monday 11:20~12:10  Room 1

KL-2  Management of Petrous Bone Cholesteatoma

Moderator:  Toshimitsu Kobayashi  
*Department of Otorhinolaryngology, Head and Neck Surgery, Tohoku University, Japan*

Mario Sanna  
*Gruppo Otologico, Piacenza, Italy*

**Keynote Lecture 3**  June 4th, Monday 17:55~18:25  Room 1

KL-3  Staged Canal Up Tympanoplasty with Mastoid Obliteration: A Method to Prevent Recurrent Cholesteatoma

Moderator:  Toshiaki Yagi  
*President, University of human Environment, Japan*

Naoaki Yanagihara  
*Department of Otolaryngology, Middle Ear Surgical Center, Takanoko Hospital*  
*Department of Otolaryngology, Ehime University Medical School, Japan*
Keynote Lecture 4  
June 5th, Tuesday 13:50~14:20  Room 1

KL-4  Management of Chronic Otitis Media with Cholesteatoma in 2012

Moderator: Jacques Magnan  
Hospital Nord, Service ORL, Marseille, France

Bruce J Gantz, Marlan Hansen, Paul Walker, Sarah Mowry  
Department of Otolaryngology–Head and Neck Surgery, University of Iowa Carver College of Medicine, Iowa City, Iowa, USA

Keynote Lecture 5  
June 6th, Wednesday 17:20~17:50  Room 1

KL-5  SNHL Associated to Cholesteatoma – The Role of Cochlear Implantation

Moderator: Ken Kitamura  
Department of Otorhinolaryngology Tokyo Medical and Dental University, Japan

Angel Ramos-Macías  
Las Palmas University, Spain

Keynote Lecture 6  
June 7th, Thursday 9:00~9:30  Room 1

KL-6  Do the Contributing Factors Urge for Special Management Techniques?

Moderator: Chong Sun Kim  
Seoul National University Bundang Hospital, Seoul National University College of Medicine, Korea

O. Nuri Ozgirgin  
Bayindir Hospital Sogutozu Otolaryngology Department, Turkey
Symposia

Symposium 1  June 4th, Monday 9:45~11:15  Room 1

SY-1  Global Epidemiology - Is Cholesteatoma Increasing or Decreasing?

Moderators:  Shizuo Komune
             Department of Otorhinolaryngology, Kyushu University, Japan
             Matthew Yung
             Ipswich Hospital NHS Trust, Ipswich, U.K.

SY-1-1  Would the Apparent Decline in the Number of Cholesteatoma Surgery Affects Surgical Training?
Matthew Yung
Ipswich Hospital NHS Trust, Ipswich, U.K.

SY-1-2  Prevalence of Cholesteatoma in Korea
Chong Sun Kim
Department of Otorhinolaryngology Seoul National University Bundang Hospital, Korea

SY-1-3  Point Prevalence of OME During Childhood and its Relation to Eardrum Pathology Later in Life
Seven-Eric Stangerup, Mirko Tos
ENT Department, Gentofte University Hospital, Hellerup, Denmark

SY-1-4  Global Epidemiology - Is Cholesteatoma Increasing or Decreasing in Taiwan?
Chuan Jen Hsu
Department of Otolaryngology, National Taiwan University, Taipei, Taiwan (R.O.C.)

SY-1-5  Epidemiological Study on Cholesteatoma in Fukuoka City
Shumei Shibata
Department of Otorhinolaryngology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

SY-1-6  Global Epidemiology, Is Cholesteatoma Increasing or Decreasing?
Alan Micco
Department of Otolaryngology, Northwestern University, USA

Symposium 2  June 4th, Monday 13:10~14:40  Room 1

SY-2  Cell Biological Event in Cholesteatoma I - Active Proliferation

Moderator:  Keehyun Park
            Dept. of Otolaryngology Ajou University School of Medicine, Korea
SY-2-1  Cell biological Event in Cholesteatoma I - Active Proliferation  
Holger Sudhoff  
Otolaryngology, Head and Neck Surgery, Bielefeld Academic Teaching Hospital, Germany

SY-2-2  Cell Biological Event in Cholesteatoma I - Active Proliferation  
M. Barbara¹, S. Raffa², L. Leone³, C. Mure⁴, S. Monini¹, M. R. Torrisi²  
¹Sapienza University Medicine & Psychology, Italy  
²Dept. Otolaryngology and Clinical and Molecular Medicine, Italy

SY-2-3  Cell Biological Event in Cholesteatoma I - Active Proliferation  
Ewa Olszewska  
Department of Otolaryngology, Medical University of Bialystok, Poland

SY-2-4  Effect of in Vivo Over-Expression of KGF on the Histology of Middle Ear Cholesteatoma.  
Tomomi Yamamoto-Fukuda  
Department of Otolaryngology-Head and Neck Surgery, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

SY-2-5  Perturbation of Gap Junctional Intercellular Communication is Related with Human Cholesteatoma  
Yun-Hoon Choung  
Department of Otolaryngology, Ajou University School of Medicine, Suwon, Korea

Symposium 3  June 4th, Monday 14:45~16:15  Room 1

SY-3  Middle Ear Atelectasis - Gas Deficit - Negative Pressure, to Middle Ear Cholesteatoma.  
Is there a Continuum? What is the Process of Transformation? Is this the Same Disease?  

Moderator:  Bernard Ars  
Ear Medicine & Surgery Communicative Disorders, Belgium

SY-3-1  The Role of the Mastoid in Middle Ear Pressure Regulation  
Michael Gaihede  
Department of Otolaryngology, Head & Neck Surgery, Aalborg Hospital, Aarhus University Hospital, Denmark

SY-3-2  Middle Ear Atelectasis – Gas Deficit – Negative Pressure, to Middle Ear Cholesteatoma. Is there a Continuum? What is the Process of Transformation? Is this the Same Disease?  
Holger Sudhoff  
Otolaryngology, Head and Neck Surgery, Bielefeld Academic Teaching Hospital, Germany
SY-3-3  Gas Exchange Function and Morphological Characteristics of the Mastoid Cavity in Cholesteatoma
Yutaka Yamamoto

*Department of Otolaryngology, Niigata University Faculty of Medicine, Japan*

SY-3-4  The Impact of Middle Ear Blood Flow on Middle Ear Gas Deficit in Inflamed Ears
Romain E. Kania, Amos AR, Patrice Tran Ba Huy, Philippe Herman

*Department of Otorhinolaryngology, France*

SY-3-5  Middle Ear Pressure Control
Michael Gaihede

*Department of Otolaryngology, Head & Neck Surgery, Aalborg Hospital, Aarhus University Hospital, Denmark*

### Symposium 4

June 5th, Tuesday 9:00~10:30  Room 1

**SY-4**  Sensorineural Hearing Loss Due to Middle-Ear Inflammation

**Moderator:** Angel Ramos Macias

*University of Las Palmas; ENT Dept., Spain*

**SY-4-1**  Evaluation of Endolymphatic Hydrops on Magnetic Resonance Imaging in Patients with Otosclerosis

Tsutomu Nakashima¹, Tohru Mukaida¹, Tadao Yoshida¹, Michihiko Sone¹, Shinji Naganawa²

¹*Department of Otorhinolaryngology, Nagoya University Graduate School of Medicine, Japan*

²*Department of Radiology, Nagoya University Graduate School of Medicine, Japan*

**SY-4-2**  Natural Long Course of Hearing Change in Patients with Middle Ear Diseases

Masafumi Sakagami

*Department of Otolaryngology, Hyogo College of Medicine, Nishinomiya, Hyogo, Japan*

**SY-4-3**  Manuel Manrique Rodriguez

*Ent Dpt-Clinica Universidad De Navarra, Spain*

**SY-4-4**  Sensorineural Hearing Loss with Chronic Otitis Media

Haruo Yoshida

*National Hospital Organization Ureshino Medical Center, Japan*

### Symposium 5

June 6th, Wednesday 9:00~10:30  Room 1

**SY-5**  Genetic Aspect of Pathogenesis and Pathophysiology of Cholesteatoma

**Moderator:** Shin-ichi Usami

*Dept. of Otorhinolaryngology Shinshu University School of Medicine, Japan*
SY-5-1  Cholesteatoma Growth and Proliferation: Expression of Hgf and Its High-Affinity Receptor C-MET
Katsumi Doi
Department of Otolaryngology, Kinki University Graduate School of Medicine, Japan

SY-5-2  Bone Conduction Devices After Surgery for Chronic Ear Disease
David R. Friedland
Department of Otolaryngology and Communication Sciences, Medical College of Wisconsin, Wisconsin, USA

SY-5-3  mRNA Splicing Variants and DNA Methylation Analysis of Human Middle Ear Cholesteatoma
Yutaka Takumi1, Shin-ya Nishio1, Hiroaki Suzuki1, Satoshi Iwasaki2, Shin-ichi Usami1
1Department of Otorhinolaryngology, Shinshu University School of Medicine, Matsumoto, Japan
2Department of Hearing Implant Sciences, Shinshu University School of Medicine, Matsumoto, Japan

SY-5-4  Identification of Specific Gene Expression Profiles in Middle Ear Cholesteatoma
Mamoru Yoshikawa
Department of Otorhinolaryngology, Jikei University School of Medicine, Tokyo, Japan

Symposium 6  June 6th, Wednesday 15:40~17:10  Room 1

SY-6  Cell Biological Event in Cholesteatoma II - Bone Resorption
Moderator: Hiroshi Moriyama
Department of Otorhinolaryngology, The Jikei University School of Medicine, Japan

SY-6-1  Quantum and Temporal Bone Modulation in Response to Inflammation Differs Between the Ossicles, the Middle and the Inner Ear
Per Caye-Thomasen
Department of Oto-rhino-laryngology, Head and Neck Surgery, University Hospital Rigshospitalet, and Faculty of Health Sciences, University of Copenhagen, Denmark.

SY-6-2  Cell Biological Event in Cholesteatoma II - Bone Resorption
Ewa Olszewska
Department of Otolaryngology Medical University of Bialystok, Poland

SY-6-3  Regulation of Osteoclasts is Required to Maintain Morphology and Function of Ossicles in Middle Ear
Sho Kanzaki1, Yasunari Takada2, Koichi Matsuo2, Kaoru Ogawa1
1The Department of Otolaryngology, School of Medicine, Keio University, Tokyo, Japan
2The Laboratory of Cell and Tissue Biology School of Medicine, Keio University, Japan
SY-6-4 Bone Destructive Mechanisms of Cholesteatoma
Shin-ichi Kanemaru$^{1,2}$
$^1$Department of Otolaryngology, The Foundation for Biomedical Research and Innovation, Japan
$^2$Department of Otolaryngology, Head and Neck Surgery, Medical Research Institute, Kitano Hospital, Japan

SY-6-5 The Role of Inflammatory Mediators in Cholesteatoma-Induced Bone Resorption
Sung Won Chae
Guro Hospital, Korea University College of Medicine, 80 Guro-dong, Guro-gu, Seoul, South Korea

Symposium 7  June 7th, Thursday 9:40~11:10  Room 1
SY-7 How Can We Correct Tubal Dysfunction?
Moderator:  Toshimitsu Kobayashi
Department of Otolaryngology-Head and Neck Surgery, Tohoku University, Japan

SY-7-1 How Can We Correct Tubal Dysfunction?
Holger Sudhoff
Otolaryngology, Head and Neck Surgery, Bielefeld Academic Teaching Hospital, Germany

SY-7-2 Tubal Dysfunction
Dennis Poe
Children’s Hospital Boston and Harvard Medical School, USA

SY-7-3 Osker Kujawski
Eustachion Tube Institute, Switzerland

SY-7-4 Surgical Treatments for Patulous Eustachian Tube: Fat Grafting and Artificial Eustachian Tube
Masahiro Morita
The Department of Otolaryngology, Kyorin University School of Medicine, Tokyo, Japan

SY-7-5 Managing Chronic Tubal Dysfunction in Post-Irradiated Nasopharyngeal Cancer Patients
Wong-Kein C Low
Singapore General Hospital, Singapore

SY-7-6 Trans-Tympanic Silicone Plug Insertion for Chronic and Severe Patulous Eustachian Tube
Toshiaki Kikuchi, Takeshi Oshima, Hidetoshi Oshima, Ryokichi Ikeda, Toshimitsu Kobayashi
Department of Otolaryngology-Head and Neck Surgery, Tohoku University, Sendai, Japan
Panel Discussions

Panel Discussion 1   June 4th, Monday 9:45~11:15  Room 2

PD-1  What is the Best Measure to Prevent Recurrent Cholesteatoma?

Moderator: Hiroshi Hosoi  
*Department of Otorhinolaryngology- Head & Neck Surgery Nara Medical University, Japan*

PD-1-1 Tympanoplasty with Soft Posterior Meatal Wall Reconstruction -Changing the Way of Thinking for Prevention of Retraction Pocket Recurrence -  
Hiroshi Hosoi  
*Department of Otorhinolaryngology- Head & Neck Surgery Nara Medical University, Japan*

PD-1-2 Mastoid and Epitympanic Obliteration in Canal Wall Up Mastoidectomy for Prevention of Retraction Pocket  
Won-Sang Lee  
*Department of Otorhinolaryngology, Yosei University College of Medicine, Korea*

PD-1-3 Panel Discussion “What is the Best Measure to Prevent Recurrent Cholesteatoma?”  
Maurizio Barbara  
*Department of Neuroscience, Mental Health and Sensory Organs Sapienza University, Rome, Italy*

PD-1-4 How to Prevent Recurrent Cholesteatoma: Canal Wall Down Tympanoplasty with Soft-Wall Reconstruction  
Shin-ichi Haginomori  
*Department of Otolaryngology, Osaka Medical College, Takatsuki, Japan*

Panel Discussion 2   June 4th, Monday 13:10~14:40  Room 2

PD-2  Canal-Wall-Up, Down, Reconstruction, or Obliteration? (Response Analyzer)

Moderator: Brian Blakley  
*Univ of Manicoba Health Sciences Center, Canada*

PD-2-1 Bruce J. Gantz  
*Dept. Otolaryngology-Head & Neck Surgery University of Iowa, USA*

PD-2-2 Topic: CWU, CWD, Reconstruction or Obliteration?  
Mohan Kameswaran  
*Madras ENT Research Foundation, India*
Panel Discussion 3  
June 4th, Monday 14:45~16:15  Room 2

PD-3 Petrous Bone Cholesteatoma

Moderator: Enrico Piccirillo  
Gruppo Otologico, Piacenza, Italy

PD-3-1 Petrous Bone Cholesteatoma Removal with Hearing Preservation  
Marco Caversaccio, Pascal Senn, Rudolf Häusler, Eugène Panosetti  
Dept of ORL, Head and Neck Surgery, University of Bern, Switzerland

PD-3-2 Petrous Bone Cholesteatoma: Classification and Management  
Enrico Piccirillo  
Gruppo Otologico, Italy

PD-3-3 Middle Cranial Fossa Approach for Petrous Apex Cholesteatoma  
Tatsuya Yamasoba¹, Ken Ito¹-², Takashi Sakamoto¹, Akinobu Kakigi¹, Shinichi Iwasaki¹  
¹Department of Otolaryngology and Head and Neck Surgery, University of Tokyo, Tokyo, Japan  
²Department of Otolaryngology and Head and Neck Surgery, Teikyo University, Tokyo, Japan

PD-3-4 Evaluation of Middle Ear Pneumatization After Planned Two-Staged Tympanoplasty  
Katsumi Doi¹, Takahito Fukusumi², Yasuhiro Osaki², Taro Hasegawa², Yumi Oota²  
¹Department of Otolaryngology, Kinki University Graduate School of Medicine  
²Department of Otolaryngology, Osaka University Graduate School of Medicine

PD-3-5 Posterior Transposition of the Facial Nerve in Petrous Apex Cholesteatoma  
Yildirim A Bayazit  
Department of Otolaryngology Faculty of Medicine Gazi University Besevler, Turkey
PD-3-6 Petrous Bone Cholesteatoma-Our Experiences with 27 Cases

Wu Hao1,2

1Ear Institute Shanghai Jiaotong University School of Medicine, China
2Department of Otolaryngology Head & Neck Surgery, Xinhua Hospital Shanghai Jiaotong University School of Medicine, China

Panel Discussion 4       June 4th, Monday 13:10~14:40       Room 3

PD-4   Debate on Cholesteatoma Surgery - Microscopic or Endoscopic

Moderator: Bernard Ars

Ear Medicine & Surgery Communicative Disorders, Belgium

PD-4-1 Debate on Cholesteatoma Surgery - Microscopic or Endoscopic

Muaaz Tarabichi

America Hospital- Dubai, Dubai

PD-4-2 Microscopic Technique for Chronic Ear Surgery

Huber Alexander

Department of Otorhinolaryngology, Head and Neck Surgery, University of Zurich, Switzerland

PD-4-3 Microscopic or Endoscopic Cholesteatoma Surgery

Dennis Poe

Children’s Hospital Boston and Harvard Medical School, USA

PD-4-4 Which Surgical Approach is Appropriate for Cholesteatoma According to the Pre-Operative Images?

Lela Migirov

Dept. Otolaryngology, Sheba Medical Center, Tel Hashomer, Israel

PD-4-5 Result of Endoscopic Ear Surgery on Cholesteatoma: Present Status

Daniela Marchioni

Department of Otolaryngology and Head and Neck Surgery, University of Modena and Reggio Emilia, Italy

Panel Discussion 5       June 4th, Monday 14:45~16:15       Room 3

PD-5   Recent Progress in the Imaging of Cholesteatoma - Is Routine Second Look Surgery Still Justified?

Moderator: Erwin Officiers

Dept of ORL, Sint-Augustinus Hospital, European Institute for ORL, Wilrijk-Antwerpen, Belgium
PD-5-1 Recent Progress in the Imaging of Cholesteatoma - Is Routine Second Look Surgery Still Justified?
Erwin Offeciers
Dept of ORL, Sint-Augustinus Hospital, European Institute for ORL, Wilrijk-Antwerpen, Belgium

PD-5-2 Levent Olgun
Izmir Bozyaica Teaching&Research Hospital CI center, Turkey

PD-5-3 Carlos Cenjor
Servicio ORL Fundacion Jimenez Diaz-Clinica Nuestra Senora Conception, Madrid, Spain

PD-5-4 Vincent C. Cousins
Head Otoneurolgy Unit & Monash University Department of Surgery The Alfred Hospital Melbourne, Australia

PD-5-5 Recent Progress in the Imaging of Cholesteatoma – is Routine Second Look Surgery Still Justified?
Dritan Vasić1, Krenar Preza2
1American Hospital, Albania
2University Hospital Center of Tirana “Mother Teresa”, Albania

Panel Discussion 6   June 5th, Tuesday 10:40~12:10  Room 1

PD-6 Management of Difficult Cases
Moderator: Jacques Magnan
Hospital Nord, Service ORL, Marseille, France

PD-6-1 Management of Difficult Cases
Bruce Black
Royal Children's Hospital, Brisbane Australia

PD-6-2 Difficult Situations Encountered During Cholesteatoma Surgery and its Management in Nepal.
Rakesh P. Shrivastav, Hari Bhattarai, Pabina Rayamajhi
Department of ENT, Tribhuvan University Teaching Hospital, Kathmandu, Nepal.

PD-6-3 Vincent C. Cousins
Head Otoneurolgy Unit & Monash University Department of Surgery The Alfred Hospital Melbourne, AUSTRALIA, Australia

PD-6-4 Chronic Otitis Media with Cholesteatoma Causing Deafness. Techniques for Cochlear Implantation
Constantino Morera, Laura Cavalle, Carlos de-Paula
ENT Department. La Fe Universitary Hospital. University of Valencia. Valencia. Spain
### PD-6-5 Difficult Cases with Cholesteatoma
Kazuo Ishikawa, Teruyuki Sato, Eigo Omi, Kohei Honda
*Department of Otorhinolaryngology, Head-Neck Surgery, Japan*

### PD-6-6 Alessandra Russo
*Gruppo Otologico, Piacenza, Italy*

### Panel Discussion 7  
**June 5th, Tuesday 14:25~16:05 Room 1**

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<th>PD-7</th>
<th>Hearing Rehabilitation After Surgery on OM Ears - HA, ME Implant, CI</th>
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<td><strong>Moderator:</strong></td>
<td>Levent Olgun</td>
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<td>Training and Research Hospital Izmir Bozyaica, Turkey</td>
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<td><strong>PD-7-1 Cochlear Implants in Chronic Otitis Media</strong></td>
<td>Manuel Manrique</td>
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<td>Clinica Universidad de Navarra, Pamplona, Spain</td>
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<td><strong>PD-7-2 The Role of miRNA-21 in Cholesteatoma Growth and Proliferation</strong></td>
<td>David R. Friedland, Rebecca Eernisse, Christy Erbe, Matthew Sitton</td>
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<tr>
<td>Department of Otolaryngology and Communication Sciences, Medical College of Wisconsin, Milwaukee, Wisconsin, USA</td>
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<td><strong>PD-7-3 Cochlear Implantation in Patients with a History of Chronic Otitis Media or Cholesteatoma</strong></td>
<td>Joachim Müller, John Martin Hempel</td>
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<td>Section Cochlear Implants and Hearing Prosthetics</td>
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<tr>
<td>Department of Otorhinolaryngology, Head &amp; Neck Surgery, Munich University, Germany</td>
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<td><strong>PD-7-4 Hearing Rehabilitation after Chronic Otitis Media Surgery</strong></td>
<td>Levent Olgun</td>
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<td>MD. Izmir Bozyaka Teaching and Research Hospital, Izmir, Turkey</td>
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<td><strong>PD-7-5 Hearing Aid Applications after Surgical Procedures. Pros and Cons.</strong></td>
<td>Jae Y Choi</td>
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<td>Yonsei University, Korea</td>
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### Panel Discussion 8  
**June 5th, Tuesday 16:10~17:40 Room 1**

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<th>PD-8</th>
<th>Recent Progress in Intraoperative Monitoring</th>
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<td><strong>Moderator:</strong></td>
<td>Jacques Magnan</td>
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<td>Hospital Nord, Service ORL, Marseille, France</td>
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<td><strong>PD-8-1 Cancelled</strong></td>
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</table>
PD-8-2 Application of Intraoperative Cranial Nerve Neuromonitoring for Oto-Neuro Surgeries
Pu Dai
Chinese PLA General Hospital, China

PD-8-3 Cancelled

PD-8-4 Intraoperative Monitoring Using Electrocochleography During the Middle Fossa Approach
Ki-Hong Chang, Eun-Ju Jun, Bum-Cho Jun, Yong-Soo Park
Dept. of Otolaryngology-HNS, Yeouido St. Mary's Hospital, The Catholic University of Korea, Korea

PD-8-5 Continuous FREMAP & Auditory Evoked DNAP Monitorings for CPA Tumor Surgery & Vestibular Neurectomy
Hidemi Miyazaki1,4, Hirofumi Nakatomi2, Masahiro Miura1,4, Masaaki Nakajima3, Hiroshi Moriyama4
1Department of Otorhinolaryngology, Tokyo Kyosai Hospital, Tokyo, Japan
2Department of Neurosurgery, University of Tokyo, Tokyo, Japan
3Department of Neurosurgery, Okayama Saiseikai General Hospital, Okayama, Japan
4Department of Otorhinolaryngology, The Jikei University, Tokyo, Japan

Panel Discussion 9 June 5th, Tuesday 9:00~10:30 Room 2

PD-9 Endoscopic Ear Surgery - Current Strategies to Manage Middle Ear Cholesteatoma-
Moderator: Seiji Kakehata
Department of Otolaryngology, Yamagata University, Japan

PD-9-1 Endoscopic Ear Surgery
Muaaz Tarabichi
American Hospital Dubai, UAE

PD-9-2 Getting Started with Endoscopic Ear Surgery
João Flávio Nogueira
ENT Professor UECE – State University of Ceara, Director of Sinus & Oto Centro, Fortaleza, Brazil

PD-9-3 Endoscopic Ear Surgery: Fundamental Use of New Instrumentation
Mohamed M. K. Badr-El-Dine
ENT department- Faculty of Medicine- University of Alexandria- Egypt
**PD-9-4** Livio Presutti  
*University of Modena ENT Dept, Italy*

**PD-9-5** Powered Endoscopic Ear Surgery  
Seiji Kakehata  
*Department of Otolaryngology, Yamagata University, Yamagata, Japan*

**PD-9-6** Clinical Efficacy of Endoscope-Assited Ear Surgery for the Treatment of Children with Cholesteatoma  
Hideyuki Kawauchi  
*Shimane University, Faculty of Medicine, Shimane, Japan*

**Panel Discussion 10**  
**June 5th, Tuesday 14:25~16:05  Room 2**

**PD-10** Panel with Response Analyzer to Build Up International Consensus on Classification and Staging of Middle Ear Cholesteatoma

*Moderators: Nuri Ozgirgin  
Bayindir Hospital Sogutozu Otolaryngology Department, Turkey*  
*Naoaki Yanagihara  
Dept.Otolaryngology, Middle Ear Surgical Center, Takanoko Hospital, Ehime University Medical School, Japan*

**PD-10-1** Staging of Middle Ear Cholesteatoma Proposed by Japan Otological Society  
Tetsuya Tono  
*Department of Otorhinolaryngology, University of Miyazaki, Miyazaki, Japan*

**PD-10-2** Bruce J. Gantz  
*Dept. Otolaryngology-Head & Neck Surgery University of Iowa, USA*

**PD-10-3** Classification and Staging of Middle Ear Cholesteatoma  
Nuri Ozgirgin  
*Bayindir Hospital Sogutozu Otolaryngology Department, Turkey*

**PD-10-4** Panel on Importance of the Classification and Staging of Cholesteatomas  
Hyung-Jong Kim  
*Department of Otolaryngology, Hallym University College of Medicine, Chuncheon, Korea*

**PD-10-5** Importance of the Classification of Acquired Cholesteatomas for the Eradication of Residual Lesions  
A. Robier, A. Roux, E. Lescanne, D. Bakhos  
*ENT Department, Bretonneau University Hospital, Tours 37044, France*
Panel Discussion 11  June 5th, Tuesday 16:10~17:40  Room 2

PD-11  Global Consensus of Eosinophilic Otitis Media
Moderator:  Yukiko Iino
Dept. otolaryngology Jichi Medical Univ. Saitama Medical Center, Japan

PD-11-1  Bilateral Sudden Hearing Loss in Eosinophilic Otitis Media Patient: A Case of Cochlear Implantation
Seung-Ha Oh
Department of Otorhinolaryngology, Seoul National University Hospital, Korea

PD-11-2  Advocating the Term Eosinophilic Otitis Media
Sachiko Matsutani
Department of Rehabilitation, Tohoku Bunka Gakuen University, Sendai, Sendai, Japan

PD-11-3  Patulous Eustachian Tube Develops the Eosinophilic Otitis Media Followed by Chronic Rhinosinusitis
Naohiro Yoshida
Department of Otolaryngology, Jichi Medical University Saitama Medical Center, Saitama, Japan

PD-11-4  Eosinophilic Rhinosinusitis and Otitis Media in Asthmatics
Masami Taniguchi
Clinical Research Center, Sagamihara National Hospital, Kanagawa, Japan

Panel Discussion 12  June 5th, Tuesday 9:00~10:30  Room 3

PD-12  Management of Early-Stage Case
Moderator:  Vincent C. Cousins
Head Otoeunrology Unit & Monash University Department of Surgery The Alfred Hospital, Australia

PD-12-1  From Retraction Pockets into Early Stage Cholesteatoma: Pathogenesis and Management
Ibrahim Hizalan
NOVOMED ENT CENTER, Bursa, Turkey

PD-12-2  My Experience of Management of Early Cholesteatoma
Keehyun Park
Dept. of ENT, Ajou University School of Medicine, Suwon, Korea

PD-12-3  Management of Early Stage Cholesteatoma
Tetsuya Tono
Department of Otorhinolaryngology, University of Miyazaki, Miyazaki, Japan
Panel Discussion 13  
June 5th, Tuesday 10:40~12:10  Room 3

PD-13  Mastoid Obliteration - When, How, with What Material? 

Moderator: Sugata Takahashi  
Department of Otolaryngology, Niigata University Faculty of Medicine, Japan

PD-13-1 Canal Wall Down Tympanoplasty with Mastoid Obliteration for Cholesteatoma Surgery  
Sugata Takahashi  
Department of Otolaryngology, Niigata University Faculty of Medicine, Japan

PD-13-2 Attic Exposition and Antrum Exclusion, A Surgical Technique for Cholesteatoma Treatment.  
Manuel Manrique Robriguez  
ENT Department, Clinica Universidad de Navarra, Pamplona, Navarra, Spain.

PD-13-3 The Bony Obliteration Technique in Cholesteatoma Surgery: Rational, Technique and Results  
Erwin Offeciers¹, Thomas Somers², Jean-Philippe Vercruysse¹, A Zarowski¹, J van Dinther¹,  
Bert De Foer² and Jan Casselman²-³  
ORL Dept¹ and Dept of Medical Imaging²  Sin-Augustinus Wilrijk-Antwerpen, and St Jans Hospital Bruges², Belgium

PD-13-4 Mastoid Obliteration Using Bone Pate in Cholesteatoma  
Ken Kitamura¹, Yuji Nakamura², Yoshihiro Noguchi³, Masatoki Takahashi³  
¹Department of Otolaryngology, Tokyo Medical and Dental University, Japan  
²Department of Otolaryngology, JA Toride General Medical Center, Japan

PD-13-5 Mastoid Obliteration. The Case for not Obliterating.  
Alan Micco  
Department of Otolaryngology, Head and Neck Surgery, Northwestern University, USA

Panel Discussion 14  
June 5th, Tuesday 14:25~16:05  Room 3

PD-14-1 Cartilage Tympanoplasty

Moderator: John L. Dornhoffer  
University of Arkansas for Medical Sciences, USA
PD-14-1 Cartilage Tympanoplasty
John L. Dornhoffer
University of Arkansas for Medical Sciences, USA

PD-14-2 Cartilage Tympanoplasty – Indications, Technique, Results and Pitfalls
Per Caye-Thomasen
Department of Oto-rhino-laryngology, Head and Neck Surgery, University Hospital Rigshospitalet, and Faculty of Health Sciences, University of Copenhagen, Denmark.

PD-14-3 Scutum Plasty Using Sliced Cartilage for Postoperative Retraction Pocket of Middle Ear Cholesteatoma
Yasuyuki Hinohira
Department of Otorhinolaryngology, Showa University School of Medicine, Tokyo, Japan

PD-14-4 Cartilage Collection Procedure and Idea in Thin Layer Sample Preparation in Cartilage Tympanoplasty
Hidemi Miyazaki¹,², Koushirou Miura¹, Masahiro Miura¹,²
¹Department of Otorhinolaryngology, Tokyo Kyosai Hospital, Tokyo, Japan
²Department of Otorhinolaryngology, The Jikei University, Tokyo, Japan

PD-14-5 Indications and Techniques for Cartilage in Reconstructive Middle Ear Surgery
Konrad Schwager
Department of Otorhinolaryngology, Head and Neck Surgery, Klinikum Fulda, Germany

PD-14-6 Cartilage Tympanoplasty
Timothy T. K. Jung
Department of Otolaryngology, Loma Linda University, Loma Linda, CA, USA

Panel Discussion 15   June 5th, Tuesday 16:10~17:40  Room 3

PD-15 Pediatric Cholesteatoma

Moderator: Donevico Marco Caversaccio
ORL, Head and neck surgery University Hospital, Switzerland

PD-15-1 Acquired Cholesteatoma in Children: Strategies and Medium-Term Results
Angel Ramos-Macías
University of Las Palmas; ENT Dept, Spain

PD-15-2 Congenital Cholesteatoma in Children
Dragoslava R. Djerić
Medical Faculty, university of belgrade, Belgrade, Serbia
PD-15-3 Long-Term Outcomes of Pediatric Cholesteatoma
Yasuo Mishiro, Osamu Adachi, Hirokazu Katsura, Shigeto Ohta, Masafumi Sakagami
Department of Otolaryngology, Hyogo College of Medicine, Nishinomiya, Japan

PD-15-4 Pediatric Cholesteatoma: Some Unique Manifestations
Ryosei Minoda
Otolaryngology Head and Neck Surgery, Kumamoto University, Kumamoto, Japan

PD-15-5 Clinical Features of Pediatric Cholesteatoma
Tae Hyun Yoon, Byoung Soo Shim, Hyun Woo Lim, Myung Joo Shim
Department of Otolaryngology, Asan Medical Center, University of Ulsan, Seoul, Korea

Panel Discussion 16   June 6th, Wednesday 9:00~10:30  Room 2

PD-16 Diagnosis and Management of Labyrinthine Fistula
Moderator: Kazuo Ishikawa
Department of Otorhinolaryngology, Akita Graduate School of medicine, Japan

PD-16-1 Diagnosis and Management of Labyrinthine Fistula
Maurizio Barbara
Department of Neuroscience, Mental Health and Sensory Organs
Sapienza University, Rome, Italy

PD-16-2 Clinical Signs and Hearing Results in Semicircular Canal Fistulae Associated with Cholesteatoma
Mamoru Suzuki, Eriko Sakurai, Sachie Kawaguchi, Nobuhiro Nishiyama, Atsushi Kawano
Department of Otolaryngology, Tokyo Medical University, Tokyo, Japan

PD-16-3 Diagnosis and Management of Labyrinthine Fistula
Holger Sudhoff
Otolaryngology, Head and Neck Surgery, Bielefeld Academic Teaching Hospital, Germany

PD-16-4 Principals of Management of Labyrinthine Fistulae
Onur Celik¹, Nazim Korkut², Turgut Karlidag³
¹Ial Bayar University Medical Faculty Otorhinolaryngology Department, Manisa, Turkey
²Istanbul University Cerrahpasa Medical Faculty Otorhinolaryngology Department, Istanbul, Turkey
³Firat University Medical Faculty Otorhinolaryngology Department, Elazig, Turkey

PD-16-5 Efficacy of 3D FLAIR MRI Findings in Evaluating Cholesteatoma with Labyrinthine Fistula
Michihiko Sone, Tsutomu Nakashima
Department of Otorhinolaryngology, Nagoya University Graduate School of Medicine, Nagoya, Japan
Panel Discussion 17  
June 6th, Wednesday 14:00~15:30  Room 2

PD-17  Severe Otosclerosis - CI, Stapes Surgery or Others?  
Moderator: Ronen Perez  
*Department of Otolaryngology, Shaare Zedek Medical Center, Israel*

- **PD-17-1** Cancelled

- **PD-17-2** Severe Otosclerosis – CI, Stapes Surgery or Others?  
  Maurizio Barbara  
  *Department of Neuroscience, Mental Health and Sensory Organs, Medicine and Psychology, Sapienza University, Rome, Italy*

- **PD-17-3** Stapes Surgery and Cochlear Implant Surgery for Severe Otosclerosis  
  Katsumi Doi¹, Mitsuo Sato¹, Mie Miyashita¹, Kazuya Saito¹, Yumi Oota²  
  ¹*Department of Otolaryngology, Kinki University Graduate School of Medicine, Japan*  
  ²*Department of Otolaryngology, Osaka University Graduate School of Medicine, Japan*

- **PD-17-4** Treatment of Severe Otosclerosis: Cochlear Implantation, Stapedotomy, and Other Options  
  Hiromi Ueda¹, Hajime Hirayama¹, Mayuko Kishimoto¹, Michihiko Sone²  
  ¹*Department of Otorhinolaryngology, Aichi Medical University School of Medicine, Aichi, Japan*  
  ²*Department of Otorhinolaryngology, Natoya University School of Medicine, Nagoya, Japan*

- **PD-17-5** Severe Otosclerosis-CI, Stapes Surgery of Others  
  Ronen Perez  
  *Department of Otolaryngology, Shaare Zedek Medical Center, Jerusalem, Israel*

- **PD-17-6** Carlos Cenjor  
  *Servicio ORL Fundacion Jimenez Diaz-Clinica Nuestra Senora Conception, Madrid, Spain*

Panel Discussion 18  
June 6th, Wednesday 15:40~17:10  Room 2

PD-18  Surgery for Canal Atresia  
Moderator: Kimitaka Kaga  
*National Institute of Sensory Organs, National Tokyo Medical Center, Japan*

- **PD-18-1** A New Surgical Procedure Using A Pure Skin Perforator Flap for Congenital Aural Atresia  
  Tatsuya Yamasoba¹, Takashi Sakamoto¹, Mitsunaga Narushima², Takuya Iida², Isao Koshima²  
  ¹*Department of Otoaryngology, University of Tokyo, Tokyo, Japan*  
  ²*Department of Plastic Surgery, University of Tokyo, Tokyo, Japan*
PD-18-2 Long Term Results of Postoperative Hearing in Congenital Aural Atresia Surgery
Sun O Chang, Juyong Chung
Department of Otorhinolaryngology, Seoul National University Hospital, Seoul, South Korea

PD-18-3 Surgical Reconstruction in Congenital Aural Atresia: Outcomes in Adults vs Children
Martin Fernandez
Clinica de Marly, Colombia

PD-18-4 Use of Hearing Aids in Patients with Congenital Major Aural Atresia
Eric Truy, Stéphane Gallego, Geneviève Lina-Granade
Département ORL, Hôpital Edouard Herriot, Place d’Arsonval, Lyon, France

PD-18-5 Single Stage Microtia Reconstruction with Porous Polyethylen and Vibrant Soundbridge Implantation
John Matrin Hempl, Joachim Müller, Berghaus Alexander
Ludwig Maximilians University Munich, Germany

Panel Discussion 19  June 6th, Wednesday 9:00~10:30  Room 3
PD-19 Management of Facial Nerve Involvement
Moderator: Shingo Murakami
Professor and Chairman of Department of Otolaryngology, Head and Neck Surgery, Nagaya City University, Medical School, Japan

PD-19-1 Traumatic Facial Nerve Paralysis
Badr Eldin Mostafa
Department of ORL-HNS Ain Shams University, Egypt

PD-19-2 Surgical Treatment of the Facial Nerve in Cholesteatoma Surgery
Maurizio Falcioni
Gruppo Otologico, Italy

PD-19-3 Incidence of Facial Nerve Injury Following Mastoid Surgery
Jona Kronenberg\textsuperscript{1,2}, Shay I. Duvdevani\textsuperscript{2}
\textsuperscript{1}Department of Otolaryngology Head and Neck Surgery, Assaf Harofeh Medical Center, Tel Aviv University, Israel
\textsuperscript{2}Department of Otolaryngology Head and Neck Surgery, Sheba Medical Center, Tel Aviv University, Israel

PD-19-4 Facial Nerve Paralysis in Chronic Otitis Media
Dragoslava R. Djeric
Medical Faculty, University of Belgrade, Belgrade, Serbia
PD-19-5 Delayed Decompression Surgery for Facial Nerve Paralysis Using bFGF in A Gelatin Hydrogel
Naohito Hato, Jumpei Nota, Hayato Komobuchi, Hiroyuki Yamada, Kiyofumi Gyo
Department of Otolaryngology, Ehime University School of Medicine, Japan

Panel Discussion 20  June 6th, Wednesday 14:00~15:30  Room 3

PD-20 Control of Pre- and Postoperative Infection in Chronic Otitis Media
Moderator: Noboru Yamanaka
Department of Otolaryngology-Head and Neck Surgery, Wakayama Medical University, Japan

PD-20-1 Microbiology of Middle Ear Effusions in Children Undergoing Tympanostomy Tube Placement. Its Importance for Middle Ear Surgery
Angel Ramos Macías
University of Las Palmas; ENT Dept., Spain

PD-20-2 Perioperative Infections in Tympanomastoid Surgery
Daniel M Kaplan
Dept. of Otolaryngology-Head and Neck Surgery, Soroka University Medical Center and the Ben Gurion University, Beer Sheva, Israel.

PD-20-3 Control of Pre- and Postoperative Infection in Chronic Otitis Media
Alan Micco
Department of Otolaryngology, Northwestern University, USA

PD-20-4 Control of Pre- and Postoperative Infection in Chronic Otitis Media
Young Ho Kim
Department of Otolaryngology, Seoul National University Boramae Medical Center, Korea

PD-20-5 Control of Pre- and Postoperative Infection in Chronic Otitis Media.
Muneki Hotomi, Noboru Yamanaka
Department of Otorkhinolaryngology-Head and Neck Surgery, Wakayama Medical University, Wakayama, Japan

Panel Discussion 21  June 6th, Wednesday 15:40~17:10  Room 3

PD-21 Justify Your Prosthesis/Implant/Ventilation Tube
Moderator: Bruce Black
Royal Children's Hospital, Australia

PD-21-1 Justify Your Prosthesis/Implant/Ventilation Tube
John L. Dornhoffer
University of Arkansas for Medical Sciences, USA
PD-21-2 A Method to Improve Stability of Polycel® Total Ossicular Replacement Prosthesis
Won-Sang Lee
Department of Otolaryngology Yonsei University Health System, Korea

PD-21-3 Synthetic Prosthesis and Autologous Tissue Used in Ossiculoplasties
Yasushi Naito, Yuji Kanazawa, Keizo Fujiwara, Masahiro Kikuchi, Shogo Shinohara
Department of Otolaryngology, Kobe City Medical Center General Hospital, Japan

PD-21-4 Titanium Ossicular Prosthesis with Malleal Motch
Matthew Yung
Ipswich Hospital NHS Trust, Ipswich, UK

PD-21-5 Justify Your Prosthesis/Implant/Ventilating Tube
Timothy T. K. Jung
Department of Otolaryngology, Loma Linda University, Loma Linda, CA, USA

PD-21-6 Abstract for Ossiculoplasty Panel
Arun K. Gadre
Heuser Hearing Institute Endowed Professor of Otology & Neurotology University of Louisville, USA

Panel Discussion 22
June 7th, Thursday 11:20~12:50 Room 1

PD-22 Temporal Bone Malignancy
Moderators: David A. Moffat
Department of Neuro-otology and skull base Surgery, Addenbrookes Cambridge University, Hospital, UK
Takashi Nakagawa
Department of Otorkinolaryngology and Head and Neck Surgery, Fukuoka University School of Medicine, Japan

PD-22-1 Outcome of Radical Surgery and Post-Operative Radiotherapy for Squamous Carcinoma of the Temporal Bone
David A. Moffat
Department of Neuro-otology and skull base Surgery, Addenbrookes Cambridge University, Hospital, UK

PD-22-2 Pathology, Presenting Features, Investigation
Hisashi Sugimoto, Makoto Ito, Tomokazu Yoshizaki
Department of Otolaryngology-Head and Neck Surgery, Kanazawa University Graduate School of Medical Science, Japan

PD-22-3 cancelled
PD-22-4 Surgical Management of T1 and T2 Lesions with Outcomes
Takashi Nakagawa, Takayuki Sueta
Department of Otorhinolaryngology and Head and Neck Surgery, Fukuoka University School of Medicine, Fukuoka, Japan

PD-22-5 Reconstruction after Surgical Treatment of Temporal Bone Malignancy
Sam Marzo
Department of Otolaryngology - Head and Neck Surgery, USA

PD-22-6 Radiation Treatment for Temporal Bone Carcinoma
Yildirim A Bayazit
Department of Otolaryngology Faculty of Medicine Gazi University Beseveler, Ankara, Turkey

PD-22-7 Prognostic Factors for Ear Cancers
Ken-ichi Nibu, Shingo Hasegawa
Department of Otolaryngology-Head and Neck Surgery, Kobe University Graduate School of Medicine, Japan

Panel Discussion 23   June 7th, Thursday 9:40~11:10  Room 2

PD-23 Cholesteatoma: A Clinical and Surgical Roadtrip
Moderator: Badr Eldin Mostafa
Ain-Shams University Faculty of Medicine, Egypt

PD-23-1 Hassan Wahba
Ain Shams University, Egypt

PD-23-2 The Applicability of Autologous Incus in Cholesteatoma
Milan Stankovic
ORL Clinic Nis, Serbia

PD-23-3 Lokman Bin Saim
University Kebangsaan Malaysia Medical Center, Malaysia

PD-23-4 Surgical Treatment of Congenital Cholesteatoma
Levent Sennaroglu
Department of Otolaryngology Hacettepe University Medical Faculty Ankara, Turkey

PD-23-5 The Modern Concept of Canal Wall Down Tympanoplasty
Giovanni Danesi
Chief, ENT and Skull Base Microsurgery Dept. Bergamo Italy
Panel Discussion 24  June 7th, Thursday 11:20~12:50  Room 2


Moderator: Masafumi Sakagami

Department of Otolaryngology, Hyogo College of Medicine, Nishinomiya, Hyogo, Japan

PD-24-1 Hilary Brodie

Department of Otolaryngology University of California, Davis, USA

PD-24-2 Sun O. Chang

Department of Otorhinolaryngology Seoul national University College of medicine, Korea

PD-24-3 An-suey Shiao

Department of Otolaryngology, Taipei veterans General Hospital, Taiwan

PD-24-4 Jean-Yves Sichel

Dept of Otolaryngology, Head and Neck Surgery Shacre Fedek Medical Center, Israel

PD-24-5 Tetsuo Ikezono

Department of Otorhinolaryngology, Saitama Medical Univ., Japan

Panel Discussion 25  June 7th, Thursday 9:40~11:10  Room 3

PD-25  Surgical Outcome of Cholesteatoma

Moderator: Sven-Eric Stangerup

ENT Department, Rigshospital, Copenhagen University, Denmark

PD-25-1 Acquired Cholesteatoma in Children: Long-Term Results and Recurrence of Cholesteatoma

Sven-Eric Stangerup

ENT Department, Rigshospital, Copenhagen University, Denmark

PD-25-2 Surgical Outcome of Cholesteatoma

Bruce Black

Royal Children's Hospital, Brisbane Australia

PD-25-3 Surgical Management of Petrous Apex Cholesteatoma: Our Experience of 15 Cases

Katsumi Doi, Mitsuo Sato, Mie Miyashita, Kazuya Saito, Michio Isono

Department of Otolaryngology, Kinki University Graduate School of Medicine, Japan

PD-25-4 Surgical Outcome of Cholesteatoma

Tetsuya Tono

Department of Otorhinolaryngology, University of Miyazaki, Miyazaki, Japan
PD-25-5 The Surgical Outcome of Cholesteatoma Surgery in SNUH
Seung-Ha Oh
Department of Otorhinolaryngology, Seoul National University Hospital, Korea

Panel Discussion 26   June 7th, Thursday 11:20~12:50   Room 3
PD-26 Congenital Cholesteatoma

Moderator: Jacques Magnan
Hospital Nord, Service ORL, Marseille, France

PD-26-1 Unusual Presentation of Congenital Middle Ear Cholesteatoma
Keehyun Park
Dept. of ENT, Ajou University School of Medicine, Suwon, Korea

PD-26-2 Congenital Cholesteatoma of the Middle Ear: Results of Surgery in 54 Cases
Katsumi Doi¹, Mitsuo Sato¹, Mie Miyashita¹, Kazuya Saito¹, Yumi Oota²
¹Department of Otolaryngology, Kinki University Graduate School of Medicine, Japan
²Department of Otolaryngology, Osaka University Graduate School of Medicine, Japan

PD-26-3 Clinical Characteristics of Congenital Cholesteatoma
Seung-Ha Oh
Department of Otorhinolaryngology, Seoul National University Hospital, Korea

PD-26-4 The Influence of Middle Ear Infections on the Diagnosis of Congenital Cholesteatoma
Takao Yabe, Yuta Inoue, Masami Matuura
Tokyo Metropolitan Hiroo Hospital, Japan

PD-26-5 Congenital Cholesteatoma
S. Armagan Incesulu
Eskisehir Osmangazi University, Faculty of Medicine, Department of Otolaryngology-Head&Neck Surgery, Meselik-Eskisehir, Turkey

PD-26-6 Congenital Cholesteatoma
Alessandra Russo
Gruppo Otologico Piacenza, Italy
Mini Lectures

Mini Lecture 1   June 4th, Monday 14:45~15:05  Room 4
ML-1   Novel Biochemical Diagnosis of Perilymphatic Fistula
Moderator:  Mamoru Suzuki  
Department of Otolaryngology, Tokyo Medical University, Japan
            
Tetsuo Ikezono  
Department of Otorhinolaryngology, Saitama Medical School, Saitama, Japan

Mini Lecture 2   June 4th, Monday 15:10~15:30  Room 4
ML-2   Conservative Treatment of Cholesteatoma by 5-FU Ointment
Moderator:  Ewa Olszewska  
Department of Otolaryngology, Medical University of Bialystok, Poland
            
Tomomi Yamamoto-Fukuda, Haruo Takahashi  
Department of Otolaryngology-Head and Neck Surgery, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

Mini Lecture 3   June 4th, Monday 15:35~16:05  Room 4
ML-3   CI & Music Perception
Moderator:  Kimitaka Kaga  
National Institute of Sensory Organs, National Tokyo Medical Center, Japan
            
Takayuki Nakata  
Department of Complex and Intelligent Systems, Future University Hakodate, Hakodate, Japan

Mini Lecture 4   June 5th, Tuesday 10:40~11:00  Room 4
ML-4   Automatic Mastoidectomy and Human-Robot Collaboration
Moderator:  Jaesung Hong  
Department of Robotics Engineering, Graduate School, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea
            
Nozomu Matsumoto  
Department of Otorhinolaryngology, Kyushu University, Fukuoka, Japan
Mini Lecture 5  
June 5th, Tuesday 11:05~11:25  Room 4

ML-5 Cochlear Implants in Single-Sided Deafness

Moderator: Kozo Kumakawa  
Dept. of Otolaryngology & Hearing Center, Toranomon Hospital, Japan

Joachim Müller  
Section Cochlear Implants and Hearing Prosthetics  
Department of Otorhinolaryngology, Head & Neck Surgery, Munich University, Germany

Mini Lecture 6  
June 5th, Tuesday 11:30~11:55  Room 4

ML-6 FOX: Artificial Intelligence for Automatic Fitting of CIs

Moderator: Joachim Müller  
Department of Otorhinolaryngology, Head and Neck Surgery, Munich University, Germany

Paul J Govaert1,2, Bart Vaerenbergh1,2, Wojtek Kowalczyk3, Javier Diez3  
1Eargroup, Belgium  
2University of Antwerp, Belgium  
3Free University of Amsterdam, The Netherlands  
4UNED, Spain

Mini Lecture 7  
June 5th, Tuesday 14:25~14:45  Room 4

ML-7 Robotic Surgery of Cochlear Implantation

Moderator: Jaesung Hong  
Department of Robotics Engineering, Graduate School, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea

Marco Caversaccio, Brett Bell, Christof Stieger, Martin Kompis, Stefan Weber  
Dept of ORL Head and Neck Surgery, University of Bern, Switzerland

Mini Lecture 8  
June 5th, Tuesday 14:50~15:10  Room 4

ML-8 Middle Ear Regeneration of Grafting of Epithelial Cell Sheet

Moderator: Masafumi Sakagami  
Department of Otolaryngology, Hyogo College of Medicine, Japan

Hiromi Kojima  
Department of Otorhinolaryngology, The Jikei University of Medicine, Tokyo, Japan
Mini Lecture 9   June 5th, Tuesday 15:15~15:35  Room 4

ML-9  The Current Status of Developing a Fully Implantable Hearing Device with New Type of Transducer in Korea

Moderator:  Kiyofumi Gyo  
Dept.of Otolaryngol,Ehime University, Japan

Sang-Heun Lee¹, Kyu-Yup Lee¹, Jin-Ho Cho²
¹Department of Otolaryngology-Head and Neck Surgery, School of Medicine, Kyungpook National University, Korea
²School of Electronics Engineering, College of IT Engineering, Kyungpook National University, Daegu, Korea

Mini Lecture 10   June 6th, Wednesday 9:00~9:20   Room 4

ML-10  Direct Acoustic Cochlear Stimulation (DACS)

Moderator:  Kaoru Ogawa  
Dept. Otolaryngology,School of Medicine Keio University, Japan

Marco Caversaccio, Christof Stieger, Rudolf Häusler, Martin Kompis  
Dept of ORL, Head and Neck Surgery, University of Bern, Switzerland

Mini Lecture 11   June 6th, Wednesday 9:25~9:45  Room 4

ML-11  Graphic Presentation of ET Function by State-of the Art CT System

Moderator:  Masahiro Morita  
Department of Otolaryngology, Kyorin University School of Medicine, Japan

Satoshi Yoshioka  
Department of Otoryhinolaryngology, Fujita Health University, Aichi, Japan

Mini Lecture 12   June 6th, Wednesday 9:50~10:30   Room 4

ML-12  Regenerative Ear Surgery

Moderator:  Juichi Ito  
Dept.of Otolaryngology-Head and Neck Surgery,Graduate School of Medicine,Kyoto University, Japan

ML-12-1 Hybrid Tympanoplasty for Chronic Otitis Media
Shin-ichi Kanemaru¹,²
¹Department of Otolaryngology, The Foundation for Biomedical Research and Innovation, Japan
²Department of Otolaryngology, Head and Neck Surgery, Medical Research Institute, Kitano Hospital, Japan
ML-12-2 Tympanic Membrane Regeneration Using bFGF Combined with Atelocollagen

Nobuhiro Hakuba

Ehime University School of Medicine, Japan
# Politzer Society Session

## Program

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Bayindir Hospital-Ankara, Turkey | |
| PS-1 | PS-2 | Jacques Magnan  
Hospital Nord, Service ORL, Marseille, France | |
| PS-2 | PS-3 | Carlos Cenjor  
Servicio ORL Fundacion Jimenez Diaz-Clinica Nuestra Senora Conception, Madrid, Spain | |
| PS-3 | Approaching to the Posterior Mesotympanic Cholesteatoma | Seung Ha Oh  
Department of Otorhinolaryngology, College of Medicine, Seoul, Korea | |
| PS-4 | Posterior Mesotympanic Cholesteatoma - Politzer Society Session | Mohan Kameswaran  
Madras ENT Research Foundation, India | |
| PS-5 | Role of Sniffing in Mesotympanic Cholesteatoma | Manohar Bance, Julian Savage, Fawaz Makki, Phillip Garland  
Dalhousie University, Halifax, Nova Scotia, Canada | |
# Gruppo Otologico Session

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<td>Gruppo Otologico, Piacenza, Italy</td>
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<td>GO-2</td>
<td>Refinements in Translabyrinthine Approach</td>
<td>Maurizio Falcioni, Gruppo Otologico, Piacenza, Italy</td>
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<td>Enrico Piccirillo</td>
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<td>GO-4</td>
<td>Closed TPL: Indications and Techniques</td>
<td>Antonio Caruso, Gruppo Otologico, Piacenza, Italy</td>
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<td>Subtotal Petrosectomy in Middle Ear and Lateral Skull Base Surgery</td>
<td>Filippo Di Lella, Gruppo Otologico, Piacenza, Italy</td>
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<td>GO-6</td>
<td>Modified Bondy Tympanoplasty</td>
<td>Anna Lisa Giannuzzi, Gruppo Otologico, Piacenza, Italy</td>
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## EAONO Session

**EAONO Session**  
**June 6th, Wednesday 14:00-15:30**  
**Room 1**

### ES  
**EAONO Guideline Studies on Cholesteatoma - 90 minutes**

Chairman:  
Franco Trabalzini  
*Otology and skull base surgery dept. Siena university hospital, Italy*

Moderator:  
Nuri Ozgirgin  
*Bayindir Hospital-Ankara, Turkey*

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| ES-1    | **The EAONO Session: EAONO Guideline Studies on Cholesteatoma**     | S. Armagan Incesulu  
*Eskisehir Osmangazi University, Faculty of Medicine, Department of Otolaryngology-Head&Neck Surgery, Turkey* |
| ES-2    | **The EAONO Session: Apoptosis in Congenital and Acquired Cholesteatoma** | Ewa Olszewska  
*Department of Otolaryngology Medical University of Bialystok, Poland* |
| ES-3    | **Radiological Evaluation of Cholesteatoma**                        | Erwin Offeciers¹, Jan Casselman²-³, Bert De Foer³  
*Depts. of ORL¹ & Radiology², Sint-Augustinus Hospital, Wilrijk – Antwerp, Dept. of Radiology, Sint-Jans Hospital, Bruges³, Belgium* |
| ES-4    | **EAONO Guideline Studies on Cholesteatoma**                        | Holger Sudhoff  
*Otolaryngology, Head and Neck Surgery, Bielefeld Academic Teaching Hospital, Germany* |
| ES-5    | **Guideline on the Management of Retraction Pocket – A Discussion on the Methodology** | Matthew Yung, Codruta Neumann  
*Ipswich Hospital NHS Trust, Ipswich, UK* |
| ES-6    | **Doe’s the Use of A Classification for Acquired Cholesteatoma Influences the Choice of the Surgical Technique** | A. Robier, A. Roux, E. Lescanne, D. Bakhos  
*ENT Department, University Hospital Bretonneau, France* |
Instruction Courses

Instruction Course 1   June 4th, Monday 8:00~8:50   Room 2
IC-1  Tympanoplasty that Works Best

Timothy T. K. Jung
Department of Otolaryngology, Loma Linda University, Loma Linda, CA, USA

Instruction Course 2   June 4th, Monday 8:00~8:50   Room 3
IC-2  Bilateral Cochlear Implantation in Children

Joachim Müller, Franz Schön, Stefan Brill, John Martin Hempel, Jan Helms
Department of Otolaryngology, University of Würzburg, Germany

Instruction Course 3   June 4th, Monday 8:00~8:50   Room 4
IC-3  The Role of Non-Echo Planar Diffusion Weighted MRI in the Work-Up and Follow-Up of Cholesteatoma

Erwin Offeckers¹, Jan Casselman² ³, Bert De Foer²
¹ORL Department Sint-Augustinus Hospital Wilrijk-Antwerp Belgium
²Dept. of Radiology, Sint-Augustinus Hospital, Wilrijk-Antwerp, Belgium
³Dept. of Radiology, Sint-Jans Hospital, Bruges, Belgium

Instruction Course 4   June 4th, Monday 8:00~8:50   Room 5
IC-4  Intact Canal Wall Tympanomastoidectomy for Cholesteatoma: Technical Tips Traps Pitfalls and Results

David A. Moffat
Consultant in Otoneurological and Skull Base Surgery, Addenbrooke's, Cambridge University Hospital, Hills Road, Cambridge, CB2 2QQ, UK.

Instruction Course 5   June 4th, Monday 8:00~8:50   Room 6
IC-5  Hearing Rehabilitation After Surgery – ME Implant

Angel Ramos-Macías
University of Las Palmas: ENT Department, Spain

Manuel Manrique
Ent Dpt-Clinica University De Navarra, Spain
Instruction Course 6  June 4th, Monday 8:00~8:50  Room 7

IC-6 Open Tympanoplasty - Basic Technique

Levent Olgun, Mehmet Ziya Ozuer

Izmir Bozyaka Teaching & Research Hospital Izmir Turkey

Instruction Course 7  June 5th, Tuesday 8:00~8:50  Room 2

IC-7 Intact Bridge Stapedioplasty

Levent Olgun

Izmir Bozyaka Teaching and Research Hospital Izmir Turkey

Instruction Course 8  June 5th, Tuesday 8:00~8:50  Room 3

IC-8 Canal Wall Down Technique: Gruppo Otologico Experience

Enrico Piccirillo

Gruppo Otologico Piacenza Roma, Italy

Alessandra Russo

Gruppo Otologico Piacenza Roma, Italy

Instruction Course 9  June 5th, Tuesday 8:00~8:50  Room 4

IC-9 Endoscopic Surgery

Carlos Cenjor

Servicio ORL Fundacion Jimenez Diaz-Clinica Nuestra Senora Conception, Madrid, Spain

Instruction Course 10  June 5th, Tuesday 8:00~8:50  Room 5

IC-10 Recurrence of Attic Cholesteatoma, Different Methods of Estimating Recurrence Rates

Sven-Eric Stangerup

ENT Department, Rigshospital, Copenhagen University, Denmark
Instruction Course 11  June 5th, Tuesday 8:00~8:50  Room 6

IC-11  Teaching the Art of Middle Ear and Mastoid Surgery Through Simulation

Ashkan Monfared  
George Washington University, USA

Instruction Course 12  June 5th, Tuesday 8:00~8:50  Room 7

IC-12  Pearls and Pitfalls in Reconstructive Middle Ear Surgery

Joachim Müller1, John Martin Hempel2  
1Department of Otolaryngology, University of Würzburg, Germany  
2Ludwig Maximilians University, Munich, Germany

Instruction Course 13  June 6th, Wednesday 8:00~8:50  Room 2

IC-13  Retraction Pockets, How to Deal with?

M. Ibrahim Hizalan  
Novomed ENT Center, Bursa, Turkey

Instruction Course 14  June 6th, Wednesday 8:00~8:50  Room 3

IC-14  Middle Ear Cleft Atelectasis – Pathogenesis Oriented Therapeutic Management

Bernard Ars  
E.N.T. University of Antwerp, Temporal Bone Foundation Brussels, Belgium

Instruction Course 15  June 6th, Wednesday 8:00~8:50  Room 4

IC-15  Complications of CSOM, Their Presentation and Management

Badr Eldin Mostafa  
Department of ORL-HNS Ain Shams University, Egypt

Instruction Course 16  June 6th, Wednesday 8:00~8:50  Room 5

IC-16  How to Assess the Audiological Results of Cochlear Implantation?

Paul J Govaerts1,2, Bart Vaerenberg1,2, Kristin Daemers1, Geert De Ceulaer1,2, Martine Coene1,3  
1Eargroup, Belgium  
2University of Antwerp, Belgium  
3Free University of Amsterdam, The Netherlands
Instruction Course 17  
June 6th, Wednesday 8:00~8:50  Room 6
IC-17  The Role of Subtotal Petrosectomy in Cochlear Implant Surgery

Maurizio Falcioni  
*Gruppo Otologico Piacenza Roma, Italy*

Filippo Di Lella  
*Gruppo Otologico Piacenza Roma, Italy*

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Instruction Course 18  
June 7th, Thursday 8:00~8:50  Room 2
IC-18  Influence on Taste Sensation - Chorda Tympani Nerve

Masafumi Sakagami  
*Department of Otolaryngology, Hyogo College of Medicine, Nishinomiya, Hyogo, Japan*

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Instruction Course 19  
June 7th, Thursday 8:00~8:50  Room 3
IC-19  Technique to Simplify Myringoplasty

Yu Yuasa  
*Sendai Ear Surgicenter, Japan*

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Instruction Course 20  
June 7th, Thursday 8:00~8:50  Room 4
IC-20  Mastoidectomy Posterior Wall Reconstruction and Mastoid Obliteration (MAPRO)

Jona Kronenberg  
*Assaf Harofeh Medical Center, Israel*

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Instruction Course 21  
June 7th, Thursday 8:00~8:50  Room 5
IC-21  Endoscopic Surgery and its Various Options

Hideo Edamatsu, Mamiko Yasuda, Kouji Matsushima, Toshinari Suetsugu, Kouta Wada  
*The First Department of Otolaryngology, Toho University School of Medicine, Tokyo, Japan*
Instruction Course 22       June 7th, Thursday 8:00~8:50       Room 6

IC-22 MRI Evaluation of Middle Ear Pathologies

Takao Kodama
Department of Radiology, University of Miyazaki, Miyazaki, Japan

Instruction Course 23       June 7th, Thursday 8:00~8:50       Room 7

IC-23 The Role of BAHA in Middle Ear surgery for Hearing Rehabilitation

Antonio Caruso
Gruppo Otologico, Piacenza, Italy

Anna Lisa Giannuzzi
Gruppo Otologico, Piacenza, Italy
Live Cadaver Temporal Bone Dissections

Live Cadaver Temporal Bone Dissection 1
June 5th, Tuesday 12:05~13:45  Room 2

TB-1  Endoscopic Dissection of Tympanic Cavity

Moderators:
- Seiji Kakehara
  Department of Otolaryngology, Yamagata University, Japan
- João Flavio Nogueira
  São Paulo ENT Center, Brazil

Surgeon:
- Daniele Marchioni
  Department of Otolaryngology and Head and Neck Surgery, University of Modena and Reggio Emilia, Italy

Live Cadaver Temporal Bone Dissection 2
June 6th, Wednesday 12:20~13:50  Room 2

TB-2  Surgical Anatomy of the Whole Temporal Bone

Moderators:
- Sho Hashimoto
  National Sendai Medical Center, Japan
- Matthew Yung
  Department of Otolaryngology, The Ipswich Hospital NHS Trust, UK

Surgeon:
- Mario Sanna
  Gruppo Otologico, Piacenza, Italy
Sponsored Seminars

Sponsored Seminar 1  June 4th, Monday 16:20~17:50  Room 2
Co-Sponsored by J. MORITA MFG. CORP.

SS-1  Imaging - Cone-Beam CT

Sponsored Seminar 2  June 4th, Monday 11:55~12:45  Room 2
Co-Sponsored by MED-EL

SS-2  Passive Prostheses and Active Implants for Better Hearing
Sponsored Seminar 3  
Co-Sponsored by Cochlear

SS-3  Restoring Hearing in Chronic Ear Disease: Baha and CI: Present and Future

Moderator: 
Yasushi Naito  
*Kobe City Medical Center General Hospital, Japan*

Stephen Cass  
*Department of Otolaryngology, University of Colorado School of Medicine, Denver, Colorado, USA*

Booth Seminar 1  

BS-1  Cone-Beam CT: Preoperative Diagnosis and Virtual Simulation for Ear and Paranasal Sinus Surgery

Yasuyuki Hinohira  
*Department of Otorkinolaryngology, Showa University School of Medicine, Tokyo, Japan*

Booth Seminar 2  

BS-2  Baha Surgical Tech Suite

Stephen Cass  
*Department of Otolaryngology, University of Colorado School of Medicine, USA*