

**Program at a Glance**

**April 7 (Thu.) AM**

Track 1	
8:00	<b>8:00-8:05 Opening Remarks</b>
	<b>8:05-8:35 Keynote Lecture 1</b> Chairperson: <b>Hideyuki Kawauchi</b> (Emeritus Professor, Shimane University, Japan) <b>KY1-1 Limitations in Managing Obstructive Sleep Apnea</b> Sung Wan Kim (Kyung Hee University, Korea)
8:30	
	<b>8:40-10:10 Symposium 1</b> <b>Recent advances in OSA</b> Chairpersons: <b>Masaaki Suzuki</b> (Teikyo University Chiba Medical Center, Japan) <b>Sung Wan Kim</b> (Kyung Hee University, Korea)
9:00	<b>SY1-1 What is the next CPAP? -pharmacology therapy in sleep apnea-</b> Yoichi Nishimura (Sleep Disorders Center, Johns Hopkins University, USA)
	<b>SY1-2 Surgical outcomes in Korea</b> Ji Ho Choi (Department of Otorhinolaryngology-Head and Neck Surgery, Soonchunhyang University College of Medicine, Bucheon Hospital, Korea)
9:30	<b>SY1-3 History of sleep medicine in Japanese insurance system and introduction of HNS</b> Shintaro Chiba (Sleep Medicine/ ENT, Ota Memorial Sleep Center, Japan)
	<b>SY1-4 Robotic surgery in OSA</b> Hyung-Ju Cho (Otorhinolaryngology, Yonsei University, Korea)
10:00	
	<b>10:20-11:50 Symposium 3</b> <b>Recent advances in medical devices on vestibular science</b> Chairpersons: <b>Noriaki Takeda</b> (University of Tokushima, Japan) <b>Kyu-Sung Kim</b> (Inha University Hospital, Korea)
10:30	<b>SY3-1 MR imaging of endolymphatic hydrops in Meniere's Disease</b> Munehisa Fukushima (Kansai Rosai Hospital, Japan)
	<b>SY3-2 Non-invasive middle ear pressure treatment for intractable Meniere's disease</b> Hideo Shojaku (Department of Otolaryngology, University of Toyama, Japan)
11:00	<b>SY3-3 Sensory substitution therapy as a final selection for graded rehabilitation of vestibular system</b> Toshiaki Yamanaka (Otolaryngology-Head and Neck Surgery, Nara Medical University, Japan)
	<b>SY3-4 IT-based medical device for the balance disorder</b> Jae-Jun Song (Department of Otolaryngology-Head and Neck Surgery, Korea University Guro Hospital, Korea)
11:30	<b>SY3-5 Application of TMS &amp; DCS for dizzy patients</b> Ho Yun Lee (ORL-HNS, Ewha Womans University, Korea)
	<b>SY3-6 Clinical implication of VR and AI for patients with vertigo</b> Sungkwang Hong (Department of Otorhinolaryngology-Head and Neck Surgery, Hallym University College of Medicine, Korea)
12:00	<b>12:00-12:50 Luncheon Seminar 1</b> Chairperson: <b>Shigeru Hirano</b> (Kyoto Prefectural University of Medicine, Japan) <b>LS1-1 Paradigm shift in treatment strategy for head and neck cancer: What is changing, and what is the same?</b> Tomoya Yokota (Division of Gastrointestinal Oncology, Shizuoka Cancer Center, Japan)
12:30	
	<b>Sponsor: Bristol-Myers Squibb K.K./ONO PHARMACEUTICAL CO., LTD.</b>
13:00	

Track 2	
8:00	
8:30	
	<b>8:40-10:10 Symposium 2</b> <b>Problems of Dysphagia</b> Chairpersons: <b>Yukio Katori</b> (Department of Otolaryngology and Head and Neck Surgery, Tohoku University Graduate School of Medicine, Japan) <b>Young Hak Park</b> (Department of Otolaryngology-HNS, Yeouido St. Mary's Hospital, The Catholic University of Korea, Korea)
9:00	<b>SY2-1 Swallowing computed tomography and virtual reality</b> Rumi Ueha (Swallowing Center, Otolaryngology and Head and Neck Surgery, the University of Tokyo, Japan)
	<b>SY2-2 Preventive intervention for age-related dysphagia in an increasingly aging society</b> Kaori Nishikubo Tanaka (Otorhinolaryngology, Head and Neck Surgery, School of Medicine, Ehime University, Japan)
9:30	<b>SY2-3 Management of cricopharyngeal dysphagia</b> Young Hak Park (Department of Otolaryngology-HNS, Yeouido St. Mary's Hospital, The Catholic University of Korea, Korea)
10:00	
10:30	
11:00	
11:30	
12:00	
12:30	
13:00	

Program at a Glance

April 7 (Thu.) PM

Track 1	
13:00	<p><b>12:55-13:55 Keynote Lecture 2</b>  <b>Chairperson: Sungwon Chae</b> (Department of Otorhinolaryngology Head &amp; Neck Surgery Korea University School of Medicine, Guro Hospital, Korea)  <b>KY2-1 Heads-up Surgery, Paradigm Shift in Ear Surgery</b>                      Seiji Kakehata (ENT, Yamagata University Faculty of Medicine, Japan)</p>
13:30	<p style="text-align: right;">領</p> <p style="text-align: right;">※ Credit approved session(For Japanese only)</p>
14:00	
14:30	<p><b>14:25-14:55 Keynote Lecture 3</b>  <b>Chairperson: Ryuichi Hayashi</b> (Department of Head and Neck Surgery, National Cancer Center Hospital East, Japan)  <b>KY3-1 Era of Advanced TORS Using Single Port Surgical Robotic System</b>                      Se-Heon Kim (Department of Otorhinolaryngology, Yonsei University College of Medicine, Korea)</p>
15:00	<p><b>15:00-15:50 Afternoon Seminar</b>  <b>Chairperson: Tetsuya Terada</b> (Department of Otolaryngology-Head and Neck Surgery, Osaka Medical and Pharmaceutical University, Japan)  <b>AS-1 A New Era in the Treatment of the Olfactory Disorder with Infection and Allergic Rhinitis</b>                      Eri Mori (Department of Otorhinolaryngology, The Jikei University School of Medicine, Tokyo, Japan)</p>
15:30	<p style="text-align: right;">Sponsor: TAIHO PHARMACEUTICAL CO., LTD.</p>
16:00	<p><b>16:05-17:35 Symposium 4</b>  <b>Recent topics of diagnosis and treatment of olfactory dysfunctions</b>  <b>Chairpersons: Takaki Miwa</b> (Kanazawa Medical University, Japan)  <b>Chang-Hoon Kim</b> (Yonsei University College of Medicine, Seoul, Korea)</p>
16:30	<p><b>SY4-1 Does olfactory mucosa regenerate after resection?</b>                      Eri Mori (Department of Otorhinolaryngology Head and Neck Surgery, The Jikei University School of Medicine, Japan)</p> <p><b>SY4-2 The value of olfactory scintigraphy to determine the connectivity of olfactory sensory neurons in patients with olfactory dysfunction</b>                      Hideaki Shiga (Otorhinolaryngology, Kanazawa Medical University, Japan)</p> <p><b>SY4-3 The YSK olfactory function (YOF) test: Development of a new Korean olfactory test</b>                      Chang-Hoon Kim (Department of Otorhinolaryngology, Yonsei University College of Medicine, Korea)</p>
17:00	<p><b>SY4-4 The feasibility of clinical applications for olfactory testing using fMRI</b>                      Jin Kook Kim (Otorhinolaryngology-Head &amp; Neck Surgery, Konkuk University Hospital, Konkuk University School of Medicine, Korea)</p>
17:30	
18:00	

Track 2	
13:00	
13:30	
14:00	
14:30	
15:00	
15:30	
16:00	<p><b>16:05-17:35 Symposium 5</b>  <b>Recent Topics for Head and Neck Tumors</b>  <b>Chairpersons: Ken-ichi Nibu</b> (Department of Otolaryngology-Head and Neck Surgery, Kobe University Graduate School of Medicine, Japan)  <b>Yong Bae Ji</b> (Department of Otolaryngology-Head and Neck Surgery, College of Medicine, Hanyang University, Seoul, Korea)</p>
16:30	<p><b>SY5-1 Molecular characterization of circulating tumor cells in head and neck squamous cell carcinoma and its clinical application</b>                      Kazuaki Chikamatsu (Otolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine, Japan)</p> <p><b>SY5-2 New developments and future directions in systemic therapy for salivary duct carcinoma</b>                      Yuichiro Tada (Department of Head and Neck Oncology and Surgery, International University of Health and Welfare, Mita Hospital, Japan)</p>
17:00	<p><b>SY5-3 Prognostic factors in surgically treated HPV positive tonsillar cancer</b>                      Young Hoon Joo (Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea, Korea)</p> <p><b>SY5-4 Inhibition of integrin <math>\beta</math>1 induces radiosensitization and attenuates perineural invasion in oral squamous cell carcinoma</b>                      Sung Joon Park (Department of Otorhinolaryngology-Head and Neck Surgery, Chung-Ang University, College of Medicine, Korea)</p>
17:30	<p><b>SY5-5 Gender differences in the prevalence of head and neck cancers</b>                      Jun-Ook Park (Department of Otolaryngology-Head and Neck Surgery, The Catholic University of Korea, College of Medicine, Korea)</p>
18:00	

Program at a Glance

April 8 (Fri.) AM

Track 1	
8:00	<p><b>8:00-9:30 Symposium 6</b>  <b>Problems of tinnitus research</b>                      Chairpersons: <b>Kaoru Ogawa</b> (Keio University, Japan)  <b>Shi Nae Park</b> (The Catholic University of Korea, Korea)</p> <p><b>SY6-1 Clinical consideration on tinnitus pathophysiology -hidden hearing loss as a possible cause of tinnitus-</b>                      Tetsuaki Kawase (Graduate School of Biomedical Engineering, Tohoku University, Japan)</p> <p><b>SY6-2 Functional neuroimaging signatures determining the development of tinnitus in subjects with hearing loss</b>                      Jae-Jin Song (Seoul National University Bundang Hospital, Korea)</p> <p><b>SY6-3 What is the prognostic factor worsening tinnitus ?</b>                      Sho Kanzaki (Otolaryngology, Keio University, Japan)</p> <p><b>SY6-4 Which is more important for the occurrence of tinnitus, "the aging or hearing loss"?</b>                      Yong-Hwi An (Eulji University, Korea)</p> <p><b>SY6-5 Current status of cognitive behavioral therapy for tinnitus in Japan</b>                      Mariko Takahashi (Otolaryngology-Head and Neck Surgery, Aichi Gakuin University School of Dentistry, Japan)</p> <p><b>SY6-6 Neuromodulation for tinnitus</b>                      Ho Yun Lee (ORL-HNS, Ewha Womans Univeristy, Korea)</p>
9:30	<p><b>9:35-10:05 Keynote Lecture 4</b>                      Chairperson: <b>Tatsuya Yamasoba</b> (University of Tokyo, Japan)  <b>KY4-1 Fitting, Verification and Validation of hearing aids in a BUSY otological clinic</b>                      Yang-Sun Cho (Department of Otolaryngology, Sungkyunkwan University, Samsung Medical Center, Korea)</p>
10:00	<p><b>10:10-12:10 Symposium 8</b>  <b>Otologic Surgery</b>                      Chairpersons: <b>Katsumi Doi</b> (Kindai University, Japan)  <b>Byung Yoon Choi</b> (Seoul National University Bundang hospital, Korea)</p> <p><b>SY8-1 Swing-Door Overlay Tympanoplasty: Surgical Technique &amp; Results</b>                      Shi Nae Park                      (Department of Otorhinolaryngology-HNS, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Korea)</p> <p><b>SY8-2 Strategies for approaching the round window in patients with congenital aural atresia</b>                      Hiroshi Hidaka (Department of Otolaryngology-HNS, Kansai Medical University, Japan)</p> <p><b>SY8-3 Malleo-stapedotomy: indication, procedure &amp; outcome</b>                      Ja-Won Koo (Seoul National University Bundang Hospital, Korea)</p> <p><b>SY8-4 Hearing Rehabilitation with Percutaneous Bone-Anchored Hearing System</b>                      Il Joon Moon (Samsung Medical Center, Sungkyunkwan University, Korea)</p> <p><b>SY8-5 Cochlear implantation has a positive influence on QOL in elderly adults</b>                      Yumi Ohta (Osaka University, Japan)</p> <p><b>SY8-6 The benefits of cochlear implantation in congenital Single Side Deafness</b>                      Jae Young Choi (Yonsei University College of Medicine, Seoul, Korea)</p> <p><b>SY8-7 Role of hearing preservation surgery for small and medium-sized vestibular schwannomas: hearing-focused strategy</b>                      Naoki Oishi (Keio University, Japan)</p>
12:00	<p><b>12:20-13:20 Luncheon Seminar 2</b>  <b>EAS in Japan &amp; Korea</b>                      Chairperson: <b>Yasushi Naito</b> (Comprehensive Ear and Hearing Center, Kobe City Medical Center General Hospital, Kobe Hospital Organization, Japan)</p> <p><b>LS2-1 EAS with longer electrodes</b>                      Hidekane Yoshimura (Dept. of Otorhinolaryngology, Shinshu University, Japan)</p> <p><b>LS2-2 EAS in Japan – Current Status &amp; Future</b>                      Hiroshi Yamazaki (Hearing Research Division, Kobe City Medical Center General Hospital Center for Clinical Research and Innovation, Japan)</p> <p><b>LS2-3 EAS in Korea – Current status &amp; Future development</b>                      You-Ree Shin (Soree Ear Clinic East Center, Seoul, Korea)</p> <p style="text-align: right;"><b>Sponsor: MED-EL Japan Co., Ltd.</b></p>

Track 2	
8:00	<p><b>8:00-9:30 Symposium 7</b>  <b>How to manage eosinophilic chronic rhinosinusitis (ECRS)</b>                      Chairpersons: <b>Masaru Yamashita</b> (Department of Otolaryngology-Head and Neck Surgery, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan)  <b>Chae-Seo Rhee</b> (Seoul National Univ. Hospital, Korea)</p> <p><b>SY7-1 Biologic drugs for the treatment of chronic rhinosinusitis with nasal polyps</b>                      Tetsuji Takabayashi (The Division of Otorhinolaryngology Head and Neck Surgery, Department of Sensory and Locomotor Medicine, University of Fukui, Japan)</p> <p><b>SY7-2 The role of Staphylococcus aureus in the development of eosinophilic chronic rhinosinusitis</b>                      Dae Woo Kim (Otorhinolaryngology Head and Neck Surgery, Seoul National University College of Medicine, Boramae Medical Center, Korea)</p> <p><b>SY7-3 How to treat eosinophilic chronic rhinosinusitis in patients with bronchial asthma -Total care for type2 airway inflammation</b>                      Mikiya Asako (Department of Otolaryngology, Head &amp; Neck Surgery, Allergy Center, Kansai Medical University Medical Center, Japan)</p> <p><b>SY7-4 How to manage eosinophilic chronic rhinosinusitis (ECRS): Medical treatments for ECRS</b>                      Jin-Young Min (Department of Otorhinolaryngology, Head &amp; Neck surgery, Kyung Hee University, School of Medicine, Korea)</p> <p><b>SY7-5 Endoscopic sinus surgery for olfactory dysfunction caused by eosinophilic chronic rhinosinusitis</b>                      Masayoshi Kobayashi (Department of Otorhinolaryngology-Head and Neck Surgery, Mie University Graduate School of Medicine, Japan)</p> <p><b>SY7-6 Surgical treatments for ECRS</b>                      Ilho Park (Korea University College of Medicine, Korea)</p>
9:30	
10:00	
10:30	
11:00	
11:30	
12:00	
12:30	
13:00	

Program at a Glance

April 8 (Fri.) PM

Track 1	
13:00	
13:25-14:25	<b>Keynote Lecture 5</b> Chairperson: Eun Chang Choi (Department of Otorhinolaryngology, Yonsei University College of Medicine, Korea) <b>KY5-1 Regenerative Medicine for Airway Organs</b> Koichi Omori (Department of Otolaryngology Head and Neck Surgery, Kyoto University, Japan)
14:00	領 ※ Credit approved session(For Japanese only)
14:30-15:20	<b>Cafe Seminar</b> Chairperson: Atsushi Matsubara (Hirosaki University Hospital, Japan) <b>CS-1 New endotyping of chronic rhinosinusitis with nasal polyps</b> Takechiyo Yamada (Otorhinolaryngology, Head and Neck surgery, Akita University, Japan)
15:00	Sponsor: GlaxoSmithKline K.K.
15:25-16:55	<b>Symposium 9</b> <b>Robotic Head and Neck Surgery</b> Chairpersons: Ichiro Tateya (Fujita Health University, Japan) Se-Heon Kim (Yonsei University College of Medicine, Korea) <b>SY9-1 Current situation and evidence of TORS in Japan</b> Akira Shimizu (Department of Otorhinolaryngology, Head and Neck Surgery, Tokyo Medical University, Tokyo, Japan) <b>SY9-2 Robotic Head and Neck Surgery at Fujita Health University Hospital</b> Hisayuki Kato (Department of Otolaryngology, Fujita Health University School of Medicine, Japan) <b>SY9-3 Advance in Robotic Neck Surgery</b> Kyung Tae (Department of Otolaryngology-Head and Neck Surgery, Hanyang University, Korea) <b>SY9-4 Advance in Robotic Thyroidectomy</b> Seung-Kuk Baek (Otorhinolaryngology-Head and Neck Surgery, Korea University Medicine, Korea) <b>SY9-5 Robotic Neck Dissection</b> Yoon Woo Koh (Department of Otorhinolaryngology / Yonsei Head Neck Cancer Center Yonsei University, College of Medicine, Korea)
16:55-17:00	<b>Closing Remarks</b>
17:00	
17:30	
18:00	

Track 2	
13:00	
13:30	
14:00	
14:30	
15:00	
15:25-16:55	<b>Symposium 10</b> <b>State-of-the-art Pediatric ORL</b> Chairpersons: Yukiko Iino (Tokyo Kita Medical Center, Japan) Yoo-Sam Chung (Ulsan University, Asan Medical Center, Korea) <b>SY10-1 How to cope with pediatric patients with dizziness</b> Fumiyuki Goto (Tokai University, Japan) <b>SY10-2 Tinnitus in pediatric population: an update</b> Jae-Jin Song (Seoul National University Bundang Hospital, Korea) <b>SY10-3 Present issue in pediatric allergic rhinitis: How does it develop in early life?</b> Sawako Masuda (Department of Otorhinolaryngology, National Hospital Organization Mie National Hospital, Japan) <b>SY10-4 Association of adenotonsillectomy with asthma and upper respiratory infection in children: A Nationwide Cohort Study</b> Dong-Kyu Kim (Hallym University, Korea) <b>SY10-5 Management of obstructive post-tracheostomy granulation tissue in children</b> Takaharu Nito (Saitama Medical University, Japan) <b>SY10-6 High flow assisted spontaneous ventilation for pediatric airway surgery</b> Seong Keun Kwon (Otorhinolaryngology-Head and Neck Surgery, Seoul National University Hospital, Korea)
17:00	
17:30	
18:00	

## Poster(Free Papers)

### FP1 Head & Neck (Clinical)

- FP1-1** **Clinical significance of visiting ENT department when cervical lymphadenopathy is recognized in terms of early detection of HNC**  
Kohei Matsumoto (*National Hospital Organization Nagasaki Medical Center, Japan*)
- FP1-2** **A new staging system for olfactory neuroblastoma**  
Akira Nakazono (*Otolaryngology-Head and Neck Surgery, Hokkaido University, Japan*)
- FP1-3** **Clinical characteristics of acinic cell carcinoma and secretory carcinoma of the parotid gland**  
Yusuke Ayani (*Department of Otorhinolaryngology-Head & Neck Surgery, Osaka Medical and Pharmaceutical University, Japan*)
- FP1-4** **Short-term outcome of 69 external auditory canal cancer treated at a single institution**  
Takeshi Tsutsumi (*Otorhinolaryngology, Tokyo Medical and Dental University, Japan*)
- FP1-5** **Withdrawn**
- FP1-6** **Withdrawn**
- FP1-7** **Surgical strategy for squamous cell carcinoma of the external auditory canal: management of locally advanced cases**  
Naoki Nishio (*Otorhinolaryngology, Nagoya University, Japan*)
- FP1-8** **Clinical outcomes of Nivolumab and its prognostic factors related to tumor immunity in head and neck malignancies**  
Eiji Kobayashi (*Otolaryngology, Head and Neck Surgery, Kanazawa University / Toyama Prefectural Central Hospital, Japan*)
- FP1-9** **Protective effects of sodium thiosulfate for Cisplatin -mediated ototoxicity in patients with head and neck cancer**  
Hisashi Sugimoto (*Kanazawa University, Japan*)
- FP1-10** **Three Cases of Non-Occlusive Mesenteric Ischemia Developed after Head and Neck Cancer Therapy**  
Kotoko Ito (*Kagoshima University, Japan*)
- FP1-11** **A case report of laryngeal cancer with dermatomyositis**  
Chieko Yokota (*Otolaryngology, Osaka City University, Japan*)
- FP1-12** **A case of chylothorax after modified radical neck dissection**  
Yuki Yamamoto (*Osaka City University, Japan*)
- FP1-13** **An experience of salvage surgery after boron neutron capture therapy: a case report**  
Masaaki Higashino (*Otorhinolaryngology, Head and Neck Surgery, Osaka Medical and Pharmaceutical University, Japan*)

## Poster(Free Papers)

### FP2 Head & Neck (Research)

**FP2-1** Withdrawn

**FP2-2** Relationship between APOBEC3 expression and viral genome hypermutation and integration in HPV-related oropharyngeal cancers

Satoru Kondo (*Division of Otolaryngology, Head and Neck Surgery, Graduate School of Medical Science, Kanazawa University, Japan*)

**FP2-3** Examination of HPV-related oropharyngeal carcinoma and REV7 expression

Kaho Momiyama (*Otorhinolaryngology-HNS, Kitasato University School of Medicine, Japan*)

**FP2-4** The p16 Overexpression and Rb Loss Correlate with Transcriptionally Active High-risk HPV Infection in Oropharyngeal Squamous Cell Carcinoma

Rina Jiromaru (*Otorhinolaryngology, Kyusyu University, Japan*)

### FP3 Laryngology (Clinical)

**FP3-1** Withdrawn

**FP3-2** A case of pemphigoid laryngeal lesions in association with DPP-4 inhibitor use

Sachimi Okamoto (*PL Hospital, Japan*)

**FP3-3** A Study of Pediatric Cases of Tracheostomy and Laryngotracheal Separation

Sakurako Takano (*Osaka City University Graduate School of Medicine, Japan*)

**FP3-4** Developmental functional morphology of the preepiglottic space in the human larynx

Kiminori Sato (*Department of Otolaryngology-Head and Neck Surgery, Kurume University School of Medicine, Japan*)

### FP4 Otology (Clinical 1)

**FP4-1** THE ETIOLOGIES AND DIAGNOSTIC APPROACHES FOR PULSATILE TINNITUS IN A LARGE CASE SERIES

Yoonjoong Kim (*Department of Otorhinolaryngology, Chungnam National University Hospital, Korea*)

**FP4-2** A Long-Term Surgical Outcome Analysis In Subjects With Pulsatile Tinnitus Originating From The Sigmoid Sinus

Sang-Yeon Lee (*Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University Bundang Hospital, Seongnam, Korea*)

**FP4-3** Development of real-time video-oculography using high quality infrared video Frenzel

Makoto Hashimoto (*Department of Otolaryngology, Yamaguchi University Graduate School of Medicine, Japan*)

**FP4-4** Withdrawn

## Poster(Free Papers)

- FP4-5** **A case of vestibular migraine/delayed endolymphatic hydrops overlapping syndrome**  
Takaki Inui (*Department of Otorhinolaryngology - Head and Neck Surgery, Osaka Medical and Pharmaceutical University, Japan*)
- FP4-6** **Persistent postural-perceptual dizziness (PPPD) secondary to BPPV: a case report**  
Koji Otsuka (*Otolaryngology, Tokyo Medical University, Japan*)
- FP4-7** **Detection of oval window lesion in otosclerosis by ultra-high resolution computed tomography**  
Shunsuke Kondo (*Otolaryngology, Head and Neck, University of the Ryukyus, Japan*)
- FP4-8** **Study on the relationship of hearing loss and cognitive function: a retrospective study using health screening data**  
Jong Woo W. Chung (*Otorhinolaryngology-Head and Neck Surgery, Asan Medical Center University of Ulsan College of Medicine, Korea*)
- FP4-9** **Does hearing loss increase postural instability in elderly? Population based study**  
Sungwon Chae (*Otorhinolaryngology Head & Neck Surgery, Korea University, College of Medicine, Korea*)
- FP4-10** **Withdrawn**
- FP4-11** **Efficacy of the additional effect of HBO in combination of steroid and prostaglandin E1 for idiopathic sudden sensorineural hearing loss**  
Satoshi Hara (*Otolaryngology, Juntendo University, Japan*)
- FP4-12** **Withdrawn**
- FP4-13** **Test-retest reliability of sound field (SF) audiometry test results between SF system for small audiometric booths and traditional SF system**  
Hyong-Ho Cho (*Otorhinolaryngology-Head & Neck Surgery, Chonnam National University, Korea*)
- FP4-14** **Development of Sound Field Audiometry System for Small Audiometric Booths and Comparison of Its Equivalence With Traditional System**  
Hyong-Ho Cho (*Otorhinolaryngology, Chonnam National University Hospital, Korea*)
- FP4-15** **How to manage the Cochlear Dysplasia that causes meningitis**  
Shinichi Kanemaru (*Otolaryngology and HNS, Medical Research Institute, Kitano Hospital / Translational Research Informatics Center, The Foundation for Biomedical Research and Innovation, Kobe / Graduate School of Medicine, Kyoto University, Japan*)
- FP4-16** **Cochlear Implant and Additional Hearing Aid in the Same Ear: Preliminary Data**  
Oh Seung-Ha (*Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University Hospital, Seongnam, Korea*)
- FP4-17** **Cochlear duct length determination and prediction of insertion depth angles for CI electrodes using preoperative temporal bone CT**  
Dong-Han Lee (*Department of Otorhinolaryngology & Head and Neck Surgery, Seoul National University Hospital, Korea*)
- FP4-18** **Change of Vestibular Symptoms and Functions after Cochlear Implant; Its Relevant Factor and Correlation with Residual Hearing**  
Jeong Hun Jang (*Ajou University School of Medicine, Korea*)

## Poster(Free Papers)

### FP5 Otology (Clinical 2)

- FP5-1** Withdrawn
- FP5-2** **Safe Open Cavity Reconstruction Using a Sliced-Cartilage Graft for Poorly Aerated Ears with Cholesteatoma**  
Masahiro Komori (*Otolaryngology, Kochi University, Kochi Medical School, Japan*)
- FP5-3** **Comparative analysis of butterfly cartilage tympanoplasty versus conventional methods**  
Masayuki Okamoto (*Otorhinolaryngology-Head and Neck Surgery, University of Fukui, Japan*)
- FP5-4** Withdrawn
- FP5-5** **Reconstruction of the external auditory canal using full-thickness rolled-up skin graft after lateral temporal bone resection**  
Takeshi Fujita (*Otolaryngology-Head and Neck Surgery, Kobe University Graduate School of Medicine, Japan*)
- FP5-6** **Prediction of appropriate prosthesis length by preoperative CT in TEES for stapes surgery**  
Yasuyuki Kajimoto (*Otolaryngology, Head & Neck Surgery, Osaka City University Graduate School of Medicine, Japan*)
- FP5-7** **Development of the Near-future type Tympanoplasty by Regeneration of the Tympanic Membrane using Endoscopic Ear Surgery**  
Shinichi Kanemaru (*Otolaryngology and HNS, Medical Research Institute, Kitano Hospital, Japan*)
- FP5-8** **Multi-layered connective tissue underlay myringoplasty technique with high success rate**  
Masato Nakashima (*Otolaryngology, Saitama Medical University Hospital, Japan*)
- FP5-9** **Nasopharyngeal pneumococcal carriage as a risk factor for otitis media with effusion**  
Chisei Satoh (*Nagasaki University Hospital, Japan*)
- FP5-10** **Otitis media with effusion caused by a parapharyngeal tumor**  
Atsunobu Tsunoda (*Otolaryngology, Head & Neck Surgery, Juntendo University, Nerima Hospital, Japan*)
- FP5-11** **A case of otitis media cholesteatomatosa in a young patient with significant inner ear destruction**  
Masahiro Oishi (*Otolaryngology and Head and Neck Surgery, Osaka City University, Japan*)
- FP5-12** **Examination of otogenic intracranial complications due to middle ear cholesteatoma in our department**  
Yuki Koda (*Osaka City University, Japan*)
- FP5-13** Withdrawn
- FP5-14** **Cavernous Hemangioma of the External Auditory Canal in Patients Older than 60 Years: A Rare Tumor**  
Junhui Jeong (*Otorhinolaryngology, National Health Insurance Service Ilsan Hospital, Korea*)



## Poster(Free Papers)

### FP6 Otology (Research)

- FP6-1** Eustachian tube function test in two head positions  
Shigeto Ohta (*Department of Otolaryngology-Head and Neck Surgery, Hyogo College of Medicine, Japan*)
- FP6-2** Trials to establish our rat behavioral model of tinnitus using salicylate  
Koichi Kitano (*Department of Otolaryngology-Head and Neck Surgery, Nara Medical University, Japan*)
- FP6-3** An Explanatory Model of Tinnitus  
Kazuhiro Noda (*Noda Otolaryngology clinic, Japan*)
- FP6-4** Transcriptome analysis for deafness: neuroplastic change in the auditory cortex  
Min-Hyun Park (*Otorhinolaryngology, Boramae Medical Center Seoul National University Seoul Metropolitan Government, Korea*)
- FP6-5** Central Processing of Speech Sounds and Non-Speech Sounds with Similar Spectral Distribution: an Auditory Evoked Potential Study  
Shinsuke Kaneshiro (*Department of Otorhinolaryngology - Head and Neck Surgery, Iwate Medical University, Japan*)
- FP6-6** Withdrawn
- FP6-7** An examination on abnormally thickened subepithelial extracellular deposit of vestibular end organ in 3 human cases  
Tadao Okayasu (*Otolaryngology-Head and Neck Surgery, Nara Medical University, Japan*)
- FP6-8** Rat Model of Meniere's Attack: Direction-changing Nystagmus and Reversible Hearing Impairment Induced by Intratympanic KCl Injection  
Takefumi Kamakura (*Department of Otorhinolaryngology-Head and Neck Surgery, Osaka University Graduate School of Medicine, Japan*)
- FP6-9** Withdrawn
- FP6-10** Gene Therapy and Drug Screening for GJB2 Related Hearing Loss with iPS cells  
Kazusaku Kamiya (*Juntendo University Faculty of Medicine, Japan*)
- FP6-11** Expression of advanced glycation end-product in the cultured utricles  
Kazuma Sugahara (*Department of Otolaryngology, Yamaguchi University Graduate School of Medicine, Japan*)
- FP6-12** Preoperative assessment of chorda tympani nerve (CTN) function in patients with middle ear disease  
Tomomi Nin (*Otolaryngology Head and neck surgery, Hyogo College of Medicine, Japan*)

## Poster(Free Papers)

### FP7 Rhinology (Clinical)

**FP7-1** Usefulness of postoperative endoscopic score for recurrent eosinophilic chronic rhinosinusitis

Takahiro Saito (*Hyogo College of Medicine, Japan*)

**FP7-2** A case of pollen-food allergy syndrome treated with omalizumab for intractable lip edema

Daiki Sakamoto (*Kansai Medical University, Japan*)

### FP8 Rhinology (Research)

**FP8-1** Copy Number Variation in DRC1 is the Major Cause of Primary Ciliary Dyskinesia in the Japanese Population

Kazuhiko Takeuchi (*Mie University, Japan*)

**FP8-2** A novel scoring system of surgical findings at the sinus in patients with chronic rhinosinusitis

Ken Okazaki (*Otolaryngology-Head and Neck Surgery, Hyogo College of Medicine, Japan*)

**FP8-3** Asian Sand Dust Regulates IL-32 Production in Airway Epithelial Cells: Inhibitory Effect of Glucocorticoids

Heung-Man Lee (*Otorhinolaryngology-Head and Neck Surgery, Korea University College of Medicine, Korea*)

**FP8-4** Serum IgG4 as a biomarker reflecting pathophysiology and post-operative recurrence in chronic rhinosinusitis

Mitsuhiro Okano (*Otorhinolaryngology, International University of Health and Welfare / Okayama University, Japan*)

**FP8-5** Efficacy of endoscopic sinus surgery for eosinophilic chronic rhinosinusitis with bronchial asthma

Nobuo Ohta (*Otolaryngology, Tohoku Medical and Pharmaceutical University, Japan*)

**FP8-6** The importance of adipokines in the pathogenesis of eosinophilic chronic rhinosinusitis

Yoshimasa Imoto (*Department of Otorhinolaryngology Head & Neck Surgery, Faculty of Medical Sciences, University of Fukui, Japan*)

**FP8-7** Anti-inflammatory effects of epoxygenated eicosapentaenoic acid metabolite on IL-33-induced innate eosinophilic inflammation in upper airway

Ichiro Tojima (*Shiga University of Medical Science, Japan*)

**FP8-8** Development of an intranasal phototherapy device for allergic rhinitis using LEDs emitting narrowband-UVB

Seiichiro Kamimura (*Otorhinolaryngology, Head-Neck Surgery, Tokushima University, Japan*)

**FP8-9** The association between the human microbiome in the nasal cavity and the number of sensitization in allergic rhinitis

Keisuke Koyama (*Division of Otorhinolaryngology and Head & Neck Surgery, Department of Sensory and Locomotor Medicine, Faculty of Medical Science, University of Fukui, Japan*)