### Room 1 (Main Hall)

#### December 6

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>8:45 - 8:50</td>
<td>Opening Remarks</td>
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<tr>
<td>8:50 - 9:50</td>
<td>Symposium 1</td>
<td>Facial Nerve</td>
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<tr>
<td></td>
<td>Moderators: Naohito Hato (Department of Otolaryngology, Ehime University School of Medicine, Ehime, Japan)</td>
<td>Tzer-Zen Hwang (E-DA Hospital, Taiwan)</td>
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<tr>
<td></td>
<td>SY1-1</td>
<td>A new electroneurography (ENoG) method for facial palsy - midline method</td>
<td>Shin-Ichi Haginomori</td>
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<td></td>
<td></td>
<td>Department of Otolaryngology – Head and Neck Surgery, Osaka Medical College, Japan</td>
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<td></td>
<td>SY1-2</td>
<td>Intratympanic steroid therapy for severe facial nerve palsy</td>
<td>Akira Inagaki</td>
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<td>Department of Ototorhinolaryngology-Head and Neck Surgery, Nagoya City University Graduate School of Medical Sciences and Medical School, Japan</td>
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<td></td>
<td>SY1-3</td>
<td>The regeneration facilitating effects of basic fibroblast growth factor impregnated biodegradable gelatin hydrogel as a novel therapeutic strategy for facial paralysis due to temporal bone fracture</td>
<td>Hiroyuki Yamada</td>
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<td>Department of Ototorhinolaryngology, Head and Neck Surgery, Ehime University School of Medicine, Ehime, Japan</td>
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<td>SY1-4</td>
<td>A systemic approach to decrease the chance of marginal mandibular branch injury during level l b neck dissection</td>
<td>Jenn-Ren Hsiao</td>
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<td>Department of Otolaryngology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Taiwan</td>
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<td>SY1-5</td>
<td>The facial nerve in parotid surgery</td>
<td>Tsung-Lun Lee</td>
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<td></td>
<td>Department of Otolaryngology, Head and Neck Surgery, Taipei Veterans General Hospital, National Yang-Ming University, Taiwan</td>
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<td>10:20 - 11:40</td>
<td>Symposium 2</td>
<td>Rhinology</td>
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<td>Moderators: Shigeharu Fujieda (Department of Ototorhinolaryngology–Head &amp; Neck Surgery, University of Fukui, Fukui, Japan)</td>
<td>Ta-Jen Lee (Department of Otolaryngology, Chang Gung Memorial Hospital, Taiwan)</td>
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<td>SY2-1</td>
<td>Novel clinical practice guidelines for the management of olfactory dysfunction in Japan</td>
<td>Kenzo Tsuzuki</td>
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<td></td>
<td>Department of Ototorhinolaryngology-Head and Neck Surgery, Hyogo College of Medicine, Japan</td>
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<td>SY2-2</td>
<td>Effects of Biologic drugs for chronic rhinosinusitis with nasal polyps</td>
<td>Tetsuji Takabayashi</td>
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<td></td>
<td>Division of Ototorhinolaryngology - Head &amp; Neck Surgery, Department of Sensory and Locomotor Medicine, Faculty of Medical Science, University of Fukui, Japan</td>
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<td>SY2-3</td>
<td>Direct approach to the anterior and lateral part of the maxillary sinus with an endoscope</td>
<td>Kazuhiro Omura</td>
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<td>Department of Ototorhinolaryngology, The Jikei University School of Medicine, Tokyo</td>
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<td>SY2-4</td>
<td>The Influence of Eosinophils on the Manifestation and Surgical Outcomes of CRSwNP</td>
<td>Chih-Jaan Tai</td>
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<td>Departments of Otolaryngology, China Medical University Hospital, Taichung, Taiwan / School of Medicine, China Medical University, Taichung, Taiwan</td>
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<td></td>
<td>SY2-5</td>
<td>Rhinoplasty in Rhinology</td>
<td>Chih-Wen Twu</td>
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<td>International Federation of Facial Plastic Surgery Societies / Taiwan Academy of Facial Plastic and Reconstructive Surgery / Taiwan Rhinology Society / Facial Plastic Center, Changhua Christian Hospital, Taiwan</td>
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<td>SY2-6</td>
<td>Updates in the management and mechanism of olfactory dysfunction</td>
<td>Chien-Fu Yeh</td>
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<td></td>
<td>Department of Ototorhinolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital, Taiwan</td>
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## Luncheon Seminar 1

**Luncheon Seminar 1**

### Precision Medicine for Head and Neck Cancer

**ONO PHARMACEUTICAL CO., LTD.**

**Bristol-Myers Squibb K.K.**

**Moderator:** Ken-Ichi Nibu  
(Department of Otolaryngology-Head and Neck Surgery, Graduate School of Medicine, Kobe University, Japan)

**LS1**

**The latest update of Immune check point inhibitors therapy for head and neck squamous cell carcinoma**

Division of hematology and oncology, Department of Internal Medicine National Cheng Kung University Hospital College of Medicine National Cheng Kung University, Taiwan  

Chia-Jui Yen

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## Symposium 3

**Symposium 3**

### Skull Base

**Moderators:**  
Takahiro Asakage  
(Department of Head and Neck Surgery, Tokyo Medical and Dental University, Tokyo, Japan)  
Yaoh-Shiang Lin  
(Kaohsiung Veterans General Hospital, Taiwan)

**SY3-1**

**Lateral skull base surgery: A single-center experience in the last 5 years**  
Department of Otorhinolaryngology, Graduate School of Medical Sciences, Kyushu University, Japan  
Noritaka Komune

**SY3-2**

**Recent advantage of craniofacial resection for anterior or anterolateral skull base malignancy**  
Department of Otorhinolaryngology, Nagoya University Graduate School of Medicine, Japan  
Yasushi Fujimoto

**SY3-3**

**Endoscopic endonasal surgery for sinonasal carcinoma**

Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University, Japan  
Masahiro Kikuchi

**SY3-4**

**Microvascular free flaps and the applications of 3D-printing in head and neck reconstructions**

Department of Otolaryngology Head & Neck Surgery, Changhua Christian Hospital, Taiwan  
San-Fu Hong

**SY3-5**

**Bilateral smell preservation is routinely possible following endoscopic endonasal approach for sellar/suprasellar lesions**

Department of Otorhinolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital, Taipei, Taiwan / School of Medicine, National Yang-Ming University, Taiwan  
Ming-Ying Lan

**SY3-6**

**Clinical Outcome of Endonasal Endoscopic Prelacrimal Approach in Managing sinonasal Pathologies**

Department of Otolaryngology, Head and Neck Surgery, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan  
Yu-Hsuan Lin
Symposium 4  15:20 - 16:40

Otology

Moderators:  Hiromi Kojima (Department of Otorhinolaryngology, Jikei University School of Medicine, Tokyo, Japan)
             An-Suey Shiao (Cheng Hsin General Hospital, Taiwan)

**SY4-1** How to use surgical navigation right and make it useful in otological procedures?
Department of Otorhinolaryngology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
Nozomu Matsumoto

**SY4-2** Underwater endoscopic ear surgery – The dawn of inner ear ultrafine surgery
Department of Otolaryngology-Head and Neck Surgery, Tohoku University Graduate School of Medicine, Japan
Daisuke Yamauchi

**SY4-3** Development of innovative treatment for middle ear mucosal regeneration by cell sheet technologies
Department of Otorhinolaryngology, Jikei University School of Medicine, Japan
Kazuhisa Yamamoto

**SY4-4** Consumption of betel quid contributes to sensorineural hearing impairment through arecoline-induced oxidative stress
Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan
Tien-Chen Liu

**SY4-5** Precision medicine for cochlear implantation in the genomic era: the Taiwan experience
Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan
Chen-Chi Wu

**SY4-6** Hearing Protective Effect of Dextromethorphan on Military Gun-Shooting Practice and Noise-Induced Hearing Loss Animal Models
Department of Otolaryngology-Head and Neck Surgery, Tri-Service General Hospital / National Defense Medical Center, Taipei, Taiwan
Hsin-Chien Chen

Symposium 5  16:40 - 18:00

Audiology

Moderators:  Michihiko Sone (Department of Otorhinolaryngology, Nagoya University Graduate School of Medicine, Aichi, Japan)
             Chuan-Jen Hsu (Taichung Tzu Chi Hospital / Department of Otolaryngology, National Taiwan University, Taiwan)

**SYS-1** Effects on middle ear muscle reflex on middle to high frequency sounds in human - A doubt on current assessing method for olivo-cochlear reflex-
Department of Otorhinolaryngology, International University of Health and Welfare Atami Hospital, Japan
Tatsuhiko Harada

**SYS-2** Genetic polymorphisms and susceptibility to inner ear diseases
Department of Otorhinolaryngology, Nagoya University, Graduate School of Medicine, Nagoya, Japan
Masaaki Teranishi

**SYS-3** NLRP3 mutation and cochlear autoinflammation cause syndromic and nonsyndromic hearing loss DFNA34
Department of Otorhinolaryngology/Head & Neck Surgery, Hamamatsu University School of Medicine, Japan / Otolaryngology Branch, National Institute on Deafness and Other Communication Disorders, National Institutes of Health, USA
Hiroshi Nakanishi

**SYS-4** The effect of electroacupuncture for noise induced hearing loss in animals
Department of Otolaryngology, China Medical University Hospital, Taichung, Taiwan
Chia-Der Lin

**SYS-5** Transuterine inner ear gene delivery by a synthetic adeno-associated virus
Department of Medical Research, Taipei Veterans General Hospital, Taiwan / Department of Otolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital, Taiwan / Faculty of Medicine, College of Medicine, National Yang-Ming University, Taiwan
Yen-Fu Cheng

**SYS-6** Statistical analysis of hearing screening tools for referral newborns
Department of Otorhinolaryngology-Head and Neck Surgery, China Medical University Hospital, Taichung, Taiwan
Ching-Yu Tsai
Room 2 (Hall 1, 2)

December 6

Symposium 6  8:50 - 10:10
Head and Neck Oncology

Moderators:  Hidenori Inohara (Department of Otorhinolaryngology - Head & Neck Surgery, Osaka University Graduate School of Medicine, Osaka, Japan)
Mu-Kuan Chen (Changhua Christian Hospital / Chang Shan Medical University, Taiwan)

SY6-1 Controversies in relation to neck management in N0 early oral tongue cancer
Department of Head and Neck Surgery, Aichi Cancer Center Hospital, Japan
Nobuhiro Hanai

SY6-2 Present status of endoscopic surgery for malignant sinonasal tumors in Japan
Department of Head and Neck Surgery, Tokyo Medical and Dental University, Japan
Takahiro Asakage

SY6-3 A clinical analysis of sinonasal squamous cell carcinoma: A comparison of de novo squamous cell carcinoma and that arising from inverted papillomas
Department of Otorhinolaryngology, Graduate School of Medical Sciences, Kyushu University, Japan
Ryuji Yasumatsu

SY6-4 Ubiquitin Conjugating Enzyme 2C is a Poor Prognostic Factor of Tongue Squamous Cell Carcinoma
Department of Otorhinolaryngology Head and Neck Surgery, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan
Bor-Hwang Kang

SY6-5 The influence of marginal vs segmental mandibulectomy on local recurrence and survival in oral squamous cell carcinoma
Department of Otolaryngology Head and Neck Surgery, China Medical University Hospital / School of Medicine, China Medical University, Taichung, Taiwan
Ming-Hsui Tsai

SY6-6 Adequate Pathological Surgical Margin in Oral Cancer
Department of ENT of MacKay Memorial Hospital, Taipei, Taiwan
Yi-Shing Leu

Symposium 7  10:20 - 11:40
Voice

Moderators:  Koichi Omori (Department of Otolaryngology, Head & Neck Surgery, Graduate School of Medicine, Kyoto University, Japan)
Tzu-Yu Hsiao (National Taiwan University Hospital, Taiwan)

SY7-1 Vocal fold injection of basic fibroblast growth factor in patient with vocal fold scar, atrophy, and sulcus vocalis
Department of Otolaryngology-Head and Neck Surgery, Kurume University School of Medicine, Japan
Shintaro Sueyoshi

SY7-2 Real-world treatment procedure of laryngeal disease for elderly patients with serious complications
Department of Otolaryngology Head and Neck Surgery, Yokohama City University Medical Center, Japan
Hiromitsu Hatakeyama

SY7-3 Angiolytic laser treatment for laryngeal lesions
Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University, Japan
Yo Kishimoto

SY7-4 Voice from nerves: what does LEMG tell us when nerve being injured?
Department of Otolaryngology Head and Neck Surgery, Chang Gung Memorial Hospital at Linkou, Chang Gung University, Taoyuan, Taiwan
Tuan-Jen Fang

SY7-5 The development and applications of office-based laryngeal surgery
Department of Otolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital, National Yang-Ming University, Taipei, Taiwan
Yen-Bin Hsu

SY7-6 Pre- and Posttreatment Voice and Nasality Changes in Patients With Nasopharyngeal Carcinoma Treated With (Chemo)radiotherapy: A preliminary report
Department of Otolaryngology, Head and Neck Surgery, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan / Institute of Public Health, College of Medicine, National Cheng Kung University, Tainan, Taiwan
Ting-Shou Chang
<table>
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<tr>
<th>Luncheon Seminar 2</th>
<th>11:50 - 12:50</th>
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<tr>
<td>Moderator: Tatsuya Yamasoba</td>
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<td>Interven (Department of Otolaryngology School of Medicine, Keio University, Japan)</td>
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<td>Kaoru Ogawa</td>
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<td>LS2 Intervention and treatment for chronic sensorineural hearing loss</td>
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<td>Department of Otolaryngology School of Medicine, Keio University, Japan</td>
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<tr>
<td>Paper 1</td>
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<tr>
<td>13:00 - 13:40</td>
<td>Laryngology 1</td>
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<td>Moderator: Tuan-Jen Fang</td>
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<tr>
<td>Department of Otolaryngology Head and Neck Surgery, Chang Gung Memorial Hospital at Linkou, Chang Gung University, Taoyuan, Taiwan</td>
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<td>Paper 2</td>
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<td>13:40 - 14:20</td>
<td>Laryngology 2</td>
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<td>Moderator: Yusuke Watanabe</td>
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<td>(Tokyo Voice Center, International University of Health and Welfare, Sanno Hospital, Japan)</td>
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#### Paper 1:

**O01-01** Predictive Factor Analysis for Successful Decannulation after Glottis-dilating Surgery in Patients with Bilateral Vocal Fold Immobility  
Department of Otolaryngology, Kansai Rosai Hospital, Japan  
Itsuki Kitayama

**O01-02** Our experience in the treatment of bilateral vocal fold immobility  
Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan  
Wan-Fu Su

**O01-03** The Etiologies and Treatments for Patients with Bilateral Vocal Paralysis  
Tri-Service General Hospital, Taiwan  
Pei Hsuan Wu

**O01-04** A Novel Adjustable Device for Laryngeal Framework Surgery: An Animal Study  
Shuang Ho Hospital, Taipei Medical University, Taiwan  
Ying-Ta Lai

#### Paper 2:

**O02-01** Disease Control and Voice Outcome after KTP Laser for Recurrent Laryngeal Papillomatosis  
Department of Otolaryngology, Far Eastern Memorial Hospital, New Taipei City, Taiwan  
Wei-Chen Hung

**O02-02** Application of machine learning for the screening, detection, and classification of voice disorders  
Far Eastern Memorial Hospital, Taiwan  
Chi-Te Wang

**O02-03** Morphometric Analysis of Larynx under Computerized Tomography Image  
Department of Otolaryngology, Taipei Medical University, Taipei Municipal Wan Fang Hospital, Taipei City, Taiwan  
Yi-Lin Kao

**O02-04** Continuous and Simultaneous Evaluation of Glottal Contact and Expiratory Effort during Phonation Using Electroglottography and Manometry  
JCHO Osaka Hospital / Osaka University Graduate School of Medicine, Japan  
Makoto Ogawa
Paper 3  
**Moderator:** Li-Ang Lee (Department of Otorhinolaryngology, Head and Neck Surgery, Linkou Chang Gung Memorial Hospital, Chang Gung University, Taoyuan, Taiwan)

**O03-01** Comparison of the Response for Aspiration Injury Evoked by Two Type of Jelly Products; In Vivo Animal Study  
Department of Otorhinolaryngology, Dokkyo Medical University Saitama Medical Center, Japan  
Kosuke Tochigi

**O03-02** Locating Lingual Artery with Intraoperative Ultrasound for Safety in Performing Transoral Robotic Surgery for Obstructive Sleep Apnea  
Department of Otolaryngology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University Hospital, Tainan, Taiwan  
Chan-Chi Chang

**O03-03** Suppression of CD82 reduces resistance to cisplatin and paclitaxel in 3D culture model of head and neck cancer cell  
Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medical Sciences, University of Fukui, Japan  
Norihiko Narita

**O03-04** A case of fibrous dysplasia of clivus  
Ako Central Hospital, Japan  
Mayuko Sasawaki

Symposium 8  
**Moderators:** Yukio Katori (Department of Otolaryngology & Head and Neck Surgery, Tohoku University Graduate School of Medicine, Japan)  
Pen-Yuan Chu (Department of Otolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital, National Yang-Ming University, Taipei, Taiwan)

**SY8-1** Surgical Treatment of Dysphagia Caused by Neuromuscular Diseases  
Department of Otolaryngology, Tokyo Metropolitan Health and Hospitals Corporation Ehara Hospital, Japan  
Yurika Kimura

**SY8-2** Swallowing function after hypopharyngeal cancer surgery involving vocal function preservation  
Department of Otorhinolaryngology, Nagoya University Graduate School of Medicine, Japan  
Mariko Hiramatsu

**SY8-3** Swallowing function after segmental mandibulectomy and reconstruction using a CAD/CAM system  
Department of Otolaryngology-Head and Neck Surgery, Tohoku University, Japan  
Ayako Nakanome

**SY8-4** Changing Paradigm of Conservation Surgery of Hypopharyngeal Cancer from Open to Endoscopic: Oncologic and Functional Outcomes  
Department of Otolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital, National Yang-Ming University, Taipei, Taiwan  
Pen-Yuan Chu

**SY8-5** Speech and Swallowing Function Preservation Difference in T1/2 Tongue Cancer Patients Received Partial Glossectomy with Flap or Non-flap Reconstruction  
Department of Otolaryngology Head and neck surgery, China Medical University Hospital, Taiwan  
Chien-Jen Chiu

**SY8-6** Risk Factors and Clinical Impact of PPI non-responsive Laryngopharyngeal Reflux-related Symptoms A High-resolution Impedance Manometry Study  
Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan / Graduate Institute of Clinical Medicine, National Taiwan University College of Medicine, Taiwan  
Wen-Hsuan Tseng
## Symposium 9

16:40 - 18:10

**OSAS Beyond CPAP – Not only CPAP but also personalized medicine**

**Moderators:** Meiho Nakayama (Department of Otolaryngology & Good Sleep Center, Nagoya City University, Japan)  
Hsueh-Yu Li (Department of Otorhinolaryngology - Head and Neck Surgery, Sleep Center, Linkou-Chang Gung Memorial Hospital, Taoyuan, Taiwan / College of Medicine, Chang Gung University, Taoyuan, Taiwan)

| SY9-1 | Allergic Rhinitis and Sleep  
Ota Memorial Sleep Center / Department of ENT, Jikei University School of Medicine, Japan | Shintaro Chiba |
|-------|--------------------------------------------------------------------------------------|-----------------|
| SY9-2 | Drug-induced sleep endoscopy (DISE) for adults and children; A new generation  
Department of Otorhinolaryngology, Teikyo University Chiba Medical Center, Japan | Masaaki Suzuki |
| SY9-3 | Relationship between Ménière’s disease and sleep dynamics  
Department of Otorhinolaryngology, Head & Neck Surgery, Good Sleep Center, Nagoya City University Medical School, Japan | Takenao Mihara |
| SY9-4 | How to manage continuous positive airway pressure (CPAP) failure - hybrid surgery and integrated treatment  
Department of Otorhinolaryngology - Head and Neck Surgery, Sleep Center, Linkou-Chang Gung Memorial Hospital, Taoyuan, Taiwan / College of Medicine, Chang Gung University, Taoyuan, Taiwan | Hsueh-Yu Li |
| SY9-5 | Pediatric obstructive sleep apnea: the associations of obesity and inflammatory biomarkers on surgical outcome  
Department of Otorhinolaryngology, Head and Neck Surgery, Linkou Chang Gung Memorial Hospital, Chang Gung University, Taoyuan, Taiwan | Li-Ang Lee |
| SY9-6 | A safe and precise tongue base surgery for OSA: Real-time Intraoperative Ultrasound-Assisted TORS  
Department of Otolaryngology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan / Sleep Medicine Center, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Taiwan | Cheng-Yu Lin |
| SY9-7 | Insights of Drug-Induced Sleep Endoscopy in Adults with Obstructive Sleep Apnea  
Department of Otorhinolaryngology, Head and Neck Surgery, Kaohsiung Veterans General Hospital, Taiwan | Hsing-Hao Su |
### Room 3 (Hall 3)

#### December 6

**Paper 4**

**8:50 - 9:30**

**Otology 1**

**Moderator:** Tien-Chen Liu (Department of Otolaryngology, National Taiwan University Hospital, Taipei, Taiwan)

**004-01** Morphological changes of otolith in estrogen deficiency mice by μCT.

*Department of Otorhinolaryngology, Head and Neck Surgery Ehime University, School of Medicine, Japan*

*Eriko Nishihara*

**004-02** Systematic quantification of the anion transport function of pendrin and its disease-associated variants

*National Hospital Organization Tokyo Medical Center, Japan*

*Koichiro Wasano*

**004-03** Hearing Impairment in Xeroderma Pigmentosum: Clinical characteristics and animal model

*Department of Otorhinolaryngology-Head and Neck Surgery, Kobe University, Graduate School of Medicine, Japan*

*Takeshi Fujita*

**004-04** Nestin may be a candidate for regeneration of cochlear hair cells in the mouse organ of Corti

*Kumamoto University, Japan*

*Hiroki Takeda*

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**Paper 5**

**9:30 - 10:10**

**Otology 2**

**Moderator:** Katsumi Doi (Department of Otolaryngology & HNS, Kinki University, Japan)

**005-01** Cryopreservation of human nasal mucosal tissue for fabricating transplantable cell sheet

*Department of Otorhinolaryngology, Jikei University School of Medicine, Japan*

*Hung-I Hsu*

**005-02** Association of the Quantitative Analysis on 3D-FLAIR MRI and the Hearing Outcome in Patients with Sudden Sensorineural Hearing Loss

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

*Cheng-Jui Yang*

**005-03** The difficulty of determining Eustachian tube function using Eustachian tube function tests alone

*Kyorin University, Japan*

*Masatsugu Masuda*

**005-04** Experience with middle ear implant for unilateral profound conductive hearing loss by meatal atresia

*International University of Health and Welfare Mita Hospital, Japan*

*Satoshi Iwasaki*
Paper 6

Otology 3

Moderator: Chia-Der Lin (Department of Otolaryngology, China Medical University Hospital, Taichung, Taiwan)

006-01 Simple Input for the IOOG SAMEO-ATO Framework and the EAONO/JOS System
Department of Otolaryngology and Head and Neck Surgery, Graduate School of Medicine, the University of Tokyo, Japan
Yu Matsumoto

006-02 The development of a safe method of canal wall down technique, using the medical image processing system
Department of Otolaryngology-Head & Neck Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science, Japan
Kazunori Nishizaki

006-03 Tympanoplasties based on assessments of middle ear aeration by staged surgery in treatment of cholesteatomas
Department of Otolaryngology, Kochi Medical School, Kochi University, Kochi, Japan / Department of Otolaryngology, Takamatsu Hospital, Ehime, Japan
Masahiro Komori

006-04 Meatotympanoplasty for external auditory canal stenosis and lateralized tympanic membrane
Otolaryngology, Kanazawa University, Japan
Kina Kase

Paper 7

Head and Neck 1

Moderator: Hiroshi Iwai (Department of Otolaryngology, Head and Neck Surgery, Kansai Medical University, Osaka, Japan)

007-01 Indications and Surgical Outcomes of Enucleation for Benign Parotid Tumors
Tenri Hospital, Japan
Atsushi Taguchi

007-02 Effective preoperative embolization of the feeding arteries just before carotid body tumor resection
Iwate Medical University, Japan
Kiyoto Shiga

007-03 Transoral laser microsurgery in the management of T3 glottic cancer- Experience of Taipei Veterans General Hospital
Taipei Veterans General Hospital Department of Otorhinolaryngology-Head and Neck Surgery, Taiwan
Pei-Ju Chien

007-04 Systematic review and meta-analysis of the complications of salvage total laryngectomy
The Royal Victorian Eye and Ear Hospital, Australia
Syeda Tasfia Saief
**Paper 8**

**Head and Neck 2**

**Moderator:** Sheng-Po Hao

(Department of Otolaryngology Head and Neck Surgery, Comprehensive Oral Cancer Center, Shin Kong Wu Ho-Su Memorial Hospital, Taiwan / School of Medicine, Fu-Jen University, Taiwan)

**O08-01** Improvement of cervical retrieved lymph node number during neck dissection in oral cancer patient

Kaohsiung Veterans General Hospital, Taiwan

Ching-Chih Lee

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**O08-02** The prognostic value of pretreatment C-reactive protein-to-albumin ratio in oral cavity cancer

Department of Otorhinolaryngology-Head and Neck Surgery, Chang Gung Memorial Hospital, Chiayi, Taiwan

Yao-Te Tsai

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**O08-03** Surgery for Oral Cancer with Infratemporal Fossa Invasion

Department of Otorhinolaryngology-Head Neck Surgery, Tri-Service General Hospital, National Defense Medical Center, Taiwan

Yueng-Hsiang Chu

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**O08-04** Factors affecting conversation and swallowing function following tumor resection and reconstruction in patients with tongue cancer

Department of Otorhinolaryngology, JCHO Osaka Hospital, Japan

Mizuki Korematsu

**Paper 9**

**Head and Neck 3**

**Moderator:** Akihiro Shiotani

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

**O09-01** Real-world outcomes and prognostic factors in patients receiving nivolumab therapy for recurrent or metastatic head and neck carcinoma

Department of Otolaryngology, Tenri Hospital, Japan

Ryusuke Hori

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**O09-02** Short-term outcome of 47 external auditory canal cancer treated at a single institution

Department of Otolaryngology, Tokyo Medical and Dental University, Japan

Takeshi Tsutsumi

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**O09-03** How to measure velopharyngeal function after treatment of head and neck cancer?

Department of Otolaryngology-Head and Neck Surgery, Kobe University Graduate School of Medicine, Japan

Tatsuya Furukawa

**Paper 10**

**Otology / Vestibulology**

**Moderator:** Sheng-Chiao Lin

(Department of Otorhinolaryngology – Head and Neck Surgery, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan / Department of Otorhinolaryngology – Head and Neck Surgery, Chiayi Branch of Taichung Veterans General Hospital, Chiayi, Taiwan / School of Medicine, National Defense Medical Center, Taipei, Taiwan)

**O10-01** Development of a Validated Questionnaire for Persistent Postural-Perceptual Dizziness (PPPD) and Investigation of the Subtypes of PPPD

Department of Otolaryngology Head and Neck Surgery, Niigata University Graduate School of Medical and Dental Sciences, Japan

Chihiro Yagi

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**O10-02** Cervical Vestibular evoked myogenic potential and Caloric test responses in obstructive sleep apnea patients with vertigo

Department of Otolaryngology-Head and Neck Surgery, Shuang Ho Hospital, Taipei Medical University, Taiwan

Tzu-Ying Chen

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**O10-03** Novel evaluation method for cVEMP

St. Marianna University, Yokohama Seibu Hospital, Japan

Toru Seo

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**O10-04** Prediction of short-term prognosis of hearing impairment in patients with unilateral Meniere’s disease by the results of Head-shaking test

Osaka Medical College, Japan

Takaki Inui
Program

Paper 11

Head and Neck 4

Moderator: Bor-Hwang Kang (Department of Otorhinolaryngology Head and Neck Surgery, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan)

O11-01 Nicotinic acetylcholine receptor subunit alpha-5 promotes radioresistance via recruiting E2F activity in oral squamous cell carcinoma
Graduate Institute of Medical Sciences, College of Medicine, Taipei Medical University (TMU), Taipei, Taiwan / Department of Otolaryngology, TMU Hospital, TMU, Taipei, Taiwan / Department of Otolaryngology, School of Medicine, College of Medicine, TMU, Taipei, Taiwan
Che-Hsuan Lin

O11-02 PLAG1 expression proved a carcinoma ex pleomorphic adenoma with lung metastasis: a diagnostic dilemma
Department of Otolaryngology-Head and Neck Surgery, Taipei Medical University-Shuang Ho Hospital, Taiwan
Hsiao-Wei Lu

O11-03 The Geriatric Nutritional Risk Index as a prognostic factor in patients with advanced head and neck cancer
Department of Otolaryngology, Head and Neck Surgery, Faculty of Medicine, University of Tsukuba, Japan
Masahiro Nakayama

O11-04 Nutritional indexes as a predictor of serious complications of reconstruction surgery for head and neck cancer patients
Department of Otolaryngology Head and Neck Surgery, Niigata University Graduate School of Medical and Dental Sciences, Japan
Ryusuke Shodo

Paper 12

Head and Neck 5

Moderator: Tsung-Lin Yang (Department of Otolaryngology & Head Neck Surgery, National Taiwan University Hospital, Taiwan)

O12-01 Our preliminary experience of the shear wave elastography for the major salivary gland tumors
Far Eastern Memorial Hospital, Taiwan
Ping-Chia Cheng

O12-02 Head and Neck Ultrasound Examination by Otolaryngologists - Five-Year Experience
Cathay General Hospital, Taiwan
Yung Yuan Chen

O12-03 Detection of Human Papillomavirus and Epstein-Barr virus in Saliva and Blood of Head and Neck Cancer Patients
Department of Otolaryngology-Head & Neck Surgery, Kaohsiung Chang Gung Memorial Hospital, Taiwan / Chang Gung University College of Medicine, Kaohsiung, Taiwan
Hui-Ching Chuang

O12-04 Effectiveness of image-enhanced endoscopy for detection of second primary esophageal neoplasm in patients with hypopharyngeal cancer
Department of Otolaryngology, Head and Neck Surgery, Taipei Veterans General Hospital, Taipei, Taiwan / School of Medicine, National Yang-Ming University, Taipei, Taiwan
Yu-Wen Huang

Paper 13

Rhinology 1

Moderator: Yuichi Kurono (Department of Otolaryngology, Head and Neck Surgery, Kagoshima University, Japan)

O13-01 Is serum total Immunoglobulin E levels as a good predictor for post-operative corticosteroid response in chronic rhinosinusitis with nasal polyps?
Department of Otolaryngology Head and Neck Surgery, Mackay Memorial Hospital, Taichung, Taiwan
Kuang-Hsuan Shen

O13-02 Phenotype of Eosinophilic Rhinosinusitis
Nippon Medical School Musashikosugi Hospital, Japan
Shoji Matsune

O13-03 The Association of PM 2.5 and Allergic Rhinitis and Non-allergic rhinitis
Departments of Otolaryngology, China Medical University Hospital, Taichung, Taiwan
Huan-Yu Lin
Paper 14

Rhinology 2

17:10 - 17:50

Moderator: Chih-Jaan Tai (Division Head, Rhinology, Department of Otolaryngology, China Medical University Hospital, Taiwan)

O14-01 Factors associated with Lose to follow-up after Functional Endoscopic Sinus Surgery
Departments of Otolaryngology, China Medical University Hospital, Taichung, Taiwan / School of Medicine, China Medical University, Taichung, Taiwan
Chih-Jaan Tai

O14-02 Plasma Galectin-10 and mucosal eosinophil infiltration in chronic rhinosinusitis
Department of Otorhinolaryngology, Head and Neck Surgery, Akita University, Graduate School of Medicine, Japan
Takechiyo Yamada

O14-03 Nasal Irrigation Therapy in patients with allergic patients
Department of Otorhinolaryngology, Kitasato University Medical Center, Japan
Motofumi Ohki

O14-04 Successful treatment of eosinophilic chronic rhinosinusitis with an anti-IL-5 receptor monoclonal antibody, benralizumab
Tenri Hospital, Japan
Hiroki Kagoshima

## Posters (Exchange Hall)

### December 6

### Poster 14:20 - 15:20

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td><strong>P01</strong></td>
<td>HPV-status determines the efficacy of an oral fluoropyrimidine, S-1, in oropharyngeal carcinoma</td>
<td>Division of Otolaryngology, and Head &amp; Neck Surgery, Kanazawa University, Japan, Naohiro Wakisaka</td>
</tr>
<tr>
<td><strong>P02</strong></td>
<td>Significance of basaloid squamous cell carcinoma component in HPV-related oropharyngeal carcinoma</td>
<td>Department of Otorhinolaryngology, Juntendo University Faculty of Medicine / Department of Human Pathology, Juntendo Univ., School of Medicine, Japan, Yo Suzuki</td>
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<tr>
<td><strong>P03</strong></td>
<td>Comprehensive analysis of HLA-presented peptides in head and neck cancer tissues</td>
<td>Sapporo Medical University School of Medicine, Japan, Makoto Kurose</td>
</tr>
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<td><strong>P04</strong></td>
<td>Experience of a Nivolimab use against our 32 cases of head and neck cancer</td>
<td>Department of Otorhinolaryngology-Head and Neck Surgery, Graduate School of Medicine, University of Ryukyu, Japan, Katsunori Tanaka</td>
</tr>
<tr>
<td><strong>P05</strong></td>
<td>A study of prophylactic antibiotics in head and neck reconstruction surgery</td>
<td>Wakayama Medical University, Japan, Shunji Tamagawa</td>
</tr>
<tr>
<td><strong>P06</strong></td>
<td>A clinical study of oropharyngeal squamous cell carcinoma</td>
<td>Head and Neck Oncology Center, Showa University / Department of Otorhinolaryngology, Showa University School of Medicine / Department of Oral and Maxillofacial Surgery, Division of Oral Oncology, Japan, Shunya Egawa</td>
</tr>
<tr>
<td><strong>P07</strong></td>
<td>A clinical study of lower gingival carcinoma</td>
<td>Department of Otorhinolaryngology, Showa University School of Medicine / Head and Neck Oncology Center, Showa University, Japan, Yoichiro Narikawa</td>
</tr>
<tr>
<td><strong>P08</strong></td>
<td>Will Radiotherapy increase cardiovascular complication in Patients with Head and Neck Cancer? A Nationwide Population-Based Cohort Study</td>
<td>Department of Otolaryngology, St. Martin De Porres Hospital / Department of Otolaryngology, Chung Shan Medical University Hospital / Institute of Medicine, Chung Shan Medical University, Taiwan, Yen Ting Lu</td>
</tr>
<tr>
<td><strong>P09</strong></td>
<td>Results of the Multidisciplinary Approach for Patients with T4b Malignant Tumors observed Middle Cranial Fossa Invasion of Maxillary Sinus</td>
<td>Department of Otolaryngology, Head and Neck Surgery, Jichi Medical University, Japan, Ryutaro Onaga</td>
</tr>
<tr>
<td><strong>P10</strong></td>
<td>Poorly differentiated clusters are prognostic factors for T1 or T2 squamous cell carcinoma of the external auditory canal</td>
<td>Department of Otorhinolaryngology, Fukuoka Dental College Medical &amp; Dental Hospital / Department of Otorhinolaryngology, Fukuoka University Hospital and School of Medicine / Department of Pathology, Fukuoka University Hospital and School of Medicine, Japan, Masaru Miyazaki</td>
</tr>
<tr>
<td><strong>P11</strong></td>
<td>Prediction for facial nerve paralysis after parotidectomy using intraoperative facial nerve monitoring</td>
<td>Otorhinolaryngology Head and Neck Surgery Osaka Medical College, Japan, Masaaki Higashino</td>
</tr>
<tr>
<td><strong>P12</strong></td>
<td>Incorporation of shear wave elastography into a prediction model in the assessment of cervical lymph nodes</td>
<td>Department of Otolaryngology, Far Eastern Memorial Hospital, Taipei, Taiwan, Wu-Chia Lo</td>
</tr>
<tr>
<td><strong>P13</strong></td>
<td>Seven cases of small cell carcinoma of the head and neck</td>
<td>Iwate Medical University, Japan, Katsunori Katagiri</td>
</tr>
<tr>
<td><strong>P14</strong></td>
<td>Two cases of carcinoma at sites of old maxillary fractures</td>
<td>Kagoshima University, Japan, Masaki Kawabata</td>
</tr>
<tr>
<td><strong>P15</strong></td>
<td>Advanced malignancy found incidentally with internal jugular venous thrombosis: a report of 2 cases</td>
<td>Otorhinolaryngology, Shinseikai Toyama Hospital, Japan, Takahiro Tokunaga</td>
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</tbody>
</table>
### A case of papillary mucinous neoplasm occurred in sublingual gland

Department of Otorhinolaryngology, Showa University School of Medicine / Head and Neck Oncology Center, Showa University, Japan  
Yasunobu Amari

### A rare sinonasal tract carcinomas - Human Papillomavirus-Related Multiphenotypic Sinonasal Carcinoma

Department of Otorhinolaryngology-Head and Neck Surgery, Shuang Ho Hospital, Taiwan  
Cheng-Chieh Lu

### Small cell neuroendocrine carcinoma of nasopharynx in an adult: a case report

Department of Otorhinolaryngology-Head and Neck Surgery, Taipei Medical University-Shuang Ho Hospital, Taiwan  
Tsung-Ming Chen

### Early mobilization after microvascular free-flap reconstruction for head and neck cancer

Changhua Christian Hospital, Otolaryngology-Head and Neck Surgery, Changhua City, Taiwan  
Yu-Shiouan Kuo

### Perivascular epithelioid cell tumor(PEComa) of major salivary gland

Changhua Christian Hospital, Otolaryngology-Head and Neck Surgery, Changhua City, Taiwan  
Wen-Che Tsai

### Laryngology

**Poster**

**P19** Laryngopharyngeal reflux image quantization and analysis of its severity  
Department of Otolaryngology-Head and Neck Surgery Tri-Service General Hospital, National Defense Medical Center, Taiwan  
Sheng Chia Jou

**P20** Two case of bilateral vocal cord paralysis as an early manifestation of multiple system atrophy  
Department of Otolaryngology, Saitama Medical University, Japan  
Tatsuro Sekine

### Oral / Pharyngeal

**Poster**

**P21** Associations between age and postoperative complications following tonsillectomy, Histopathological study  
Department of Otorhinolaryngology, Fukuoka University Chikushi Hospital, Japan  
Yuta Umeno

**P22** A case of SAPHO syndrome: tonsillectomy as an effective treatment for arthralgia  
Department of Otolaryngology, Kindai University Faculty of Medicine, Japan  
Sena Horiguchi

**P23** Expression of interleukin-33 is correlated with poor prognosis in patients with squamous cell carcinoma of the tongue  
Division of Otolaryngology, and Head & Neck Surgery, Graduate School of Medical Science, Kanazawa University, Japan  
Kazuya Ishikawa

**P24** The effects of HBXIP on the Biological Functions of TSCCa Cell Line  
Department of Otorhinolaryngology, Juntendo University Faculty of Medicine, Japan / Department of Oral and Maxillofacial Surgery, Shengjing Hospital of China Medical University, Taiwan  
Xue Meng

**P25** Analysis of AEBP1 in the microenvironment of head and neck squamous cell carcinoma  
Department of Otolaryngology, Sapporo Medical University School of Medicine, Japan  
Akira Yorozu

### Others

**Poster**

**P26** Sublingual immunization with phosphorylcholine reduces antigen specific IgE levels and nasal symptoms in allergic rhinitis model mice  
Department of Otolaryngology, Head and Neck Surgery Kagoshima University Graduate School of Medical and Dental Science, Japan  
Takao Makise

**P27** Unique profiles of lesional B cell subsets underlie the pathogenesis of IgG4 related disease  
Department of Otolaryngology, Sapporo Medical University School of Medicine / Department of Human Immunology, Research Institute for Frontier Medicine, Sapporo Medical University School of Medicine, Japan  
Kosuke Murayama
CPAP for Prevention of Cardiovascular Events in Obstructive Sleep Apnea have similar effect as uvulopalatopharyngoplasty
Taipei Medical University-Shuang Ho Hospital, Department of Otolaryngology / Department of Public Health, College of Medicine, Taipei Medical University, Taiwan
Yi Chih Lin

OSA patient with Vertigo have higher risk of REM OSA
Shuang Ho Hospital, Taiwan
Po-Yueh Chen

Omni-suspension of the Soft Palate with Coblation Ablation of the Tongue (OSCA) for Obstructive Sleep Apnea
Chang Gung Memorial Hospital, Taiwan
Yi-An Lu

Applications of Portable Ultrasound in Remote Medical Care- Cathay Medical Mission Team in Fiji
Department of Otolaryngology-Head and Neck Surgery, Cathay General Hospital, Taiwan
Chih-Hsien Liu

Influence of vascular risk factors on balance function in a community-dwelling population in Japan
Department of Otorhinolaryngology, Hirosaki University Graduate School of Medicine, Japan
Yuri Mitsuhashi

A patient with intractable dizziness during psychiatric hospitalization whose condition improved with eperisone hydrochloride: a case report
Dokkyo Medical University Saitama Medical Center, Japan
Akiko Umibe

vHIT usefulness in the patients with unstable vestibular compensation
Saitama Medical University, Japan
Susumu Shindo

Immunohistological analysis of myeloid dendritic cell in the model animals of eosinophilic otitis media
Department of Otorhinolaryngology, Hirosaki University Graduate School of Medicine, Japan
Ryutaro Hara

Cochlear implantation in a case of POU4F3 gene mutation
Department of Otorhinolaryngology, Head and Neck Surgery, Tokyo Medical University, Japan
Keitaro Miyake

Cochlear implantation with local anesthesia
Department of Otorhinolaryngology, International University of Health and Welfare, Mita Hospital, Japan
Shogo Oyamada

Hyperbaric oxygen with steroid and prostaglandin E1 for idiopathic sudden sensorineural hearing loss
Juntendo Hospital, Japan
Satoshi Hara

Degradation and modification of cochlear gap junction proteins are crucial in early development of age-related hearing loss
Department of Otorhinolaryngology, Juntendo University Faculty of Medicine, Japan
Shori Tajima

Cortical responses to the sensory conflict between visual and rotary stimuli by fNIRS
Department of Otorhinolaryngology, Head and Neck Surgery, Graduate school of Medicine and Pharmaceutical Sciences, University of Toyama, ToyamaDepartment of Otorhinolaryngology, Head and Neck Surgery, Graduate school of Medicine and Pharmaceutical Science, Japan
Nghia Nguyen Trong

Epidemiology and risk factors of mortality in hospitalised patients with sudden sensorineural hearing loss: a 14-year nationwide population-based study
Department of Otolaryngology-Head and Neck Surgery, Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan
Po-Jen Chen

A case of cholesteatoma associated with traumatic ear canal closure discovered 50 years after injury
Department of Otorhinolaryngology-Head and Neck Surgery, Tokyo Medical University, Japan
Ryoto Tomioka
A case report of respiratory epithelial adenomatoid hamartoma without rhinosinusitis with improved olfaction after endoscopic sinus surgery

Department of Otorhinolaryngology, Kanazawa Medical University, Japan

Yukari Nakamura

Rotenone nasal exposure may increase the risk of neurodegenerative diseases via enhanced olfactory transport of metals to the olfactory bulb

Department of Otorhinolaryngology, Kanazawa Medical University, Japan

Hideaki Shiga

Clinical features and treatment results of the patients with olfactory disorders

Department of Otorhinolaryngology, Kanazawa Medical University, Ishikawa, Japan

Norishige Nishimae

Clinical indication of nasal surgery for the CPAP intolerance in obstructive sleep apnea with nasal obstruction

Department of Otorhinolaryngology Second Hospital, Fujita Health University School of Medicine, Japan

Ayami Kimura
## Program

### Room 1 (Main Hall)

**December 7**

### Symposium 10

**8:50 - 10:10**

#### Dizziness

**Moderators:** Arata Horii (Department of Otolaryngology Head and Neck Surgery, Niigata University, Japan)  
Jen-Tsung Lai (ENT department Kung-Tien General Hospital, Taiwan)

<table>
<thead>
<tr>
<th>SY10-1</th>
<th>Changes in vertigo frequency and endolymphatic volumes after endolymphatic sac drainage surgery</th>
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<tbody>
<tr>
<td></td>
<td>Department of Otolaryngology, Nara Medical University, Japan</td>
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<td>Tadashi Kitahara</td>
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<tr>
<th>SY10-2</th>
<th>Changes in cognitive function in patients with intractable dizziness following vestibular rehabilitation</th>
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<tr>
<td></td>
<td>Department of Otorhinolaryngology, Tokai University, Japan</td>
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<td>Fumiyuki Goto</td>
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<tr>
<th>SY10-3</th>
<th>Persistent Postural-Perceptual Dizziness (PPPD): ICD-11-cited chronic vestibular syndrome</th>
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<tr>
<td></td>
<td>Department of Otorhinolaryngology Head and Neck Surgery, Niigata University, Japan</td>
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<td>Arata Horii</td>
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<tr>
<th>SY10-4</th>
<th>Vestibular Dysfunction in Patients with Idiopathic Sudden Sensorineural Hearing Loss</th>
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<td>Department of Otorhinolaryngology – Head and Neck Surgery, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan / Department of Otorhinolaryngology – Head and Neck Surgery, Chiai Branch of Taichung Veterans General Hospital, Chiai, Taiwan / School of Medicine, National Defense Medical Center, Taipei, Taiwan</td>
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<td>Sheng-Chiao Lin</td>
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<tr>
<th>SY10-5</th>
<th>Inner migraine and vertigo</th>
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<tr>
<td></td>
<td>ENT Department Kung-Tien General Hospital, Taiwan</td>
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<td>Jen-Tsung Lai</td>
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<tr>
<th>SY10-6</th>
<th>Idol worship and reflection in vertiginous diseases</th>
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<tr>
<td></td>
<td>Department of Otorhinolaryngology-Head and Neck Surgery, Dalin Tzu Chi Hospital, Chiai, Taiwan / School of Medicine, Tzu Chi University, Hualien, Taiwan</td>
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<td></td>
<td>Juen-Haur Hwang</td>
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### Symposium 11

**10:20 - 11:40**

#### Head and Neck Benign

**Moderators:** Tomokazu Yoshizaki (Department of Otolaryngology - Head and Neck Surgery, Kanazawa University, Japan)  
Sen-Tien Tsai (Department of Otolaryngology, National Cheng Kung University Hospital, Taiwan)

<table>
<thead>
<tr>
<th>SY11-1</th>
<th>Percutaneous ethanol injection therapy in the treatment of thyroid cyst</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Office of the Thyroid Ultrasound Examinations, Fukushima Medical University School of Medicine / Department of Otolaryngology Head and Neck Surgery, Fukushima Medical University Hospital, Japan</td>
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<td>Takashi Matsuzuka</td>
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<tr>
<th>SY11-2</th>
<th>The current status of cervical schwannoma surgery and the attempt of reduction in postoperative neurological deficit</th>
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<tbody>
<tr>
<td></td>
<td>Head and Neck Oncology Center, Showa University, Tokyo, Japan / Department of Oral and Maxillofacial Surgery, Division of Oral Oncology, Showa University, School of Dentistry, Japan</td>
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<td>Toshikazu Shimane</td>
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<tr>
<th>SY11-3</th>
<th>Fukui-style retro-auricular approach of Endoscopic thyroid surgery without robot</th>
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<tbody>
<tr>
<td></td>
<td>Department of Otorhinolaryngology Head and neck surgery, University of Fukui, Japan</td>
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<td>Masafumi Kanno</td>
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<tr>
<th>SY11-4</th>
<th>Application of multi-arm or single-port robotic surgical systems for the trans-hairline approach of submandibular gland resection</th>
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<tr>
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<td>Department of Otolaryngology &amp; Head Neck Surgery, National Taiwan University Hospital, Taiwan</td>
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<td>Tsung-Lin Yang</td>
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<tr>
<th>SY11-5</th>
<th>Ultrasound-Guided Fine-Needle Aspiration Drainage and Percutaneous Ethanol Injection for Benign Neck Cysts</th>
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<tr>
<td></td>
<td>Department of Otolaryngology Head and Neck surgery, Far Eastern Memorial Hospital, New Taipei, Taiwan / Department of Electrical Engineering, Yuan Ze University, Taoyuan, Taiwan / Biomedical Engineering Office, Far Eastern Memorial Hospital, New Taipei, Taiwan</td>
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<td>Li-Jen Liao</td>
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<tr>
<th>SY11-6</th>
<th>The role of ultrasound of Pediatric head and neck</th>
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<tr>
<td></td>
<td>Department of Otorhinolaryngology, Head and Neck Surgery, Changhua Christian Hospital, Changhua City, Taiwan</td>
</tr>
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<td>Ming-Yu Hsieh</td>
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</tbody>
</table>

### Closing Remarks

**11:40 - 11:45**
Room 2 (Hall 1,2)

December 7

Symposium 12

Pediatrics

**Moderators:** Yukiko Iino (Tokyo-kita Medical Center, Tokyo, Japan)  
Kuo-Sheng Lee (Department of Otorhinolaryngology and Head & Neck surgery, Mackay Memorial Hospital, Taiwan)

**SY12-1** Treatment of congenital cholesteatomas: Endoscopic ear surgery and the emergence of the exoscope  
Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine, Yamagata, Japan  
Tsukasa Ito

**SY12-2** Evaluation of Airway problems for surgeries in patients with Mucopolysaccharidosis  
Department of Otolaryngology, National Center for Child Health and Development, Japan  
Noriko Morimoto

**SY12-3** The new strategy for the pediatric severe allergic rhinitis: submucosal turbinectomy and selective posterior nasal neurectomy combined with rush immunotherapy  
Kansai Medical University Medical Center, Department of Otolaryngology, Head & neck surgery, Japan  
Mikiya Asako

**SY12-4** Pearls and Pitfalls in Transhairline Da Vinci Robot-Assisted Excision of Cervical Lymphangioma  
Department of Otolaryngology, Tungs’ Taichung MetroHarbor Hospital / Department of Nutrition, Providence University, Taiwan  
Chin-Shaw Stella Tsai

**SY12-5** Investigation and Management of Tracheal Deformity in Type IVA Mucopolysaccharidosis (Morquio-A Syndrome)  
Department of Otorhinolaryngology and Head & Neck Surgery, Mackay Memorial Hospital, Taipei, Taiwan / Medicine, Mackay Medical College, New Taipei city, Taiwan / Audiology and Speech-Language pathology, Mackay Medical College, New Taipei city, Taiwan  
Kuo-Sheng Lee

**SY12-6** Autoimmune Diseases Represent a Comorbidity of Chronic Rhinosinusitis  
Department of Otorhinolaryngology, China Medical University Hospital, Taichung, Taiwan / Graduate Institute of Biomedical Sciences, China Medical University, Taichung, Taiwan  
Liang-Chun Shih

Paper 15

Rhinology 3

**Moderator:** Shin-ichi Haruna (Department of Otorhinolaryngology, Head and Neck Surgery, Dokkyo Medical University, Japan)

**O15-01** Free mucosal grafting of the inferior turbinate facilitates drainage pathways after extended frontal sinus surgeries  
Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Biomedical and Health Sciences, Hiroshima University  
Tomohiro Kawasumi

**O15-02** Add-on Effect of Clarithromycin to Oral Steroids as Post-ESS Medical Therapy for CRSwNP – A Randomized Controlled Trial  
Department of Otolaryngology Head and Neck Surgery, MacKay Memorial Hospital, Taipei, Taiwan  
Chien-Fu Lin

**O15-03** Combined usage of sinus ultrasound and sinus plain film for diagnosis of maxillary fungal sinusitis  
Rhinology-Head Neck Surgery Division, Otolaryngology-Head and Neck Surgery Department, Taipei Veterans General Hospital, Taipei, Taiwan  
Nien-Hsuan Ho

**O15-04** Management of invasive aspergillosis in paranasal sinus  
Shimane University, Japan  
Hideyuki Kawauchi
Paper 16

Laryngology 3

Moderator: Ryuzaburo Higo (Department of Otorhinolaryngology, Juntendo University Urayasu Hospital, Japan)

**016-01**

Vocal fold steroid injection for benign vocal lesions in stage performers  
Department of Otolaryngology Head and Neck Surgery, Far Eastern Memorial Hospital, New Taipei, Taiwan  
Chien-Hao Wu

**016-02**

Negative Pressure Pulmonary Edema after Vocal Augmentation  
Department of Otolaryngology, Taipei Tzu Chi Hospital, Taipei, Taiwan; School of Medicine, Tzu Chi University, Hualien, Taiwan  
Yun-Chen Huang

**016-03**

A case of Relapsing Polychondritis presenting with acute respiratory distress  
Kansai Medical University Otolaryngology Head and Neck Surgery, Japan  
Chihiro Matsuoka
Room 3 (Hall 3)

December 7

Paper 17  8:50 - 9:30

Head and Neck 6

Moderator: Yorihisa Orita  (Department of Otolaryngology-Head and Neck Surgery, Kumamoto University Graduate School of Medical Sciences, Japan)

O17-01  The buccal space: a review of anatomy and pathology
Royal Victorian Eye & Ear Hospital / Westmead Hospital, Australia  Zubair Hasan

O17-02  The running pattern of cervical transverse arteries can be estimated using computed tomography imaging
Department of Otolaryngology - Head and Neck Surgery, Faculty of Medicine and Graduate school of Medicine, Hokkaido University, Japan  Nayuta Tsushima

O17-03  Drainless Thyroidectomy: Our Preliminary Experience
Taipei Municipal Wanfang Hospital, Department of Otolaryngology and Head & neck Surgery, Taiwan  Shao Chen Tsai

O17-04  Facial nerve monitoring during partial parotidectomy; Anterograde and retrograde facial nerve dissection approach
Kansai Medical University, Otolaryngology, Head and Neck Surgery, Japan  Masao Yagi

Paper 18  9:30 - 10:00

Head and Neck 7

Moderator: Yuichiro Kuratomi  (Department of Otolaryngology-Head and Neck Surgery, Saga University Faculty of Medicine, Japan)

O18-01  Primary Sarcoma of the Larynx: A Rare Cause of Out-of-Hospital Cardiac Arrest
Department of Otolaryngology-Head and Neck Surgery, Wan Fang Medical Center, Taipei Medical University, Taipei, Taiwan  Sheng-Kai Lin

O18-02  Right Thyroid Hemiagenesis with Lingual Thyroid Ectopia - a Case Report
Far Eastern Memorial Hospital, Taiwan  Pohsuan Wu

O18-03  A case of parotid salivary duct stenosis treated by sialendoscopy
Department of Otolaryngology-Head and Neck Surgery, Kumamoto University Graduate School of Medicine, Japan  Haruki Saito

Paper 19  10:20 - 11:00

Otology 4

Moderator: Tsukasa Ito  (Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine, Japan)

O19-01  Surgical indication for the inner ear malformation associated with bacterial meningitis
Jichi Medical University, Japan  Mari Dias

O19-02  Round window vs cochleostomy approach for Cochlear Implant. The ongoing debate: a literature review
The Royal Victorian Eye and Ear Hospital, Australia  Tasfia Saief

O19-03  The prevalence of endolymphatic hydrops following cochlear implantation
The Royal Victorian Eye and Ear Hospital, Australia  Syeda Tasfia Saief

O19-04  Clinical feasibility of auditory processing tests in Japanese older adults: a pilot study
Department of Otolaryngology-Head and Neck Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan  Shohei Fujimoto
Paper 20
Otology 5

Moderator: Nozomu Matsumoto (Department of Otorhinolaryngology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)

O20-01 Psychiatric comorbidity in patients with tinnitus or auditory hallucination and sound therapy
Department of Otorhinolaryngology and Psychiatry, Yoshida Hospital / Department of Otorhinolaryngology, Head & Neck Surgery, Faculty of Medicine, University of Miyazaki, Japan
Kensuke Kiyomizu

O20-02 Risk factors for the development of pars tensa cholesteatoma from adhesive otitis media in children
Tokyo-kita Medical Center, Japan
Saeko Yoshida

O20-03 Persistent stapedial artery with stapes ankylosis
Jichi Medical University, Jichi Children’s Medical Center Tochigi, Japan
Makoto Ito

O20-04 A case of nasopharynx carcinoma with ocular flatter
Tokyo Medical University Hachioji Medical Center, Japan
Yusuke Aihara