Room 1 (Main Hall)

December 6

Opening Remarks

Symposium 1  8:50 - 9:50

Facial Nerve

Moderators:  Naohito Hato  (Department of Otolaryngology, Ehime University School of Medicine, Ehime, Japan)
Tzer-Zen Hwang  (E-DA Hospital, Taiwan)

SY1-1 A new electroneurography (ENoG) method for facial palsy - midline method
Department of Otolaryngology – Head and Neck Surgery, Osaka Medical College, Japan  Shin-Ichi Haginomori

SY1-2 Intratympanic steroid therapy for severe facial nerve palsy
Department of Otorhinolaryngology-Head and Neck Surgery, Nagoya City University Graduate School of Medical Sciences and Medical School, Japan  Akira Inagaki

SY1-3 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
Department of Otorhinolaryngology, Head and Neck Surgery, Ehime University School of Medicine, Ehime, Japan  Hiroyuki Yamada

SY1-4 A systemic approach to decrease the chance of marginal mandibular branch injury during level I b neck dissection
Department of Otolaryngology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Taiwan  Jenn-Ren Hsiao

SY1-5 The facial nerve in parotid surgery
Department of Otolaryngology, Head and Neck Surgery, Taipei Veterans General Hospital, National Yang-Ming University, Taiwan  Tsung-Lun Lee

Symposium 2  10:20 - 11:40

Rhinology

Moderators:  Shigeharu Fujieda  (Department of Otorhinolaryngology–Head & Neck Surgery, University of Fukui, Fukui, Japan)
Ta-Jen Lee  (Department of Otolaryngology, Chang Gung Memorial Hospital, Taiwan)

SY2-1 Novel clinical practice guidelines for the management of olfactory dysfunction in Japan
Department of Otolaryngology-Head and Neck Surgery, Hyogo College of Medicine, Japan  Kenzo Tsuzuki

SY2-2 Effects of Biologic drugs for chronic rhinosinusitis with nasal polyps
Division of Otorhinolaryngology - Head & Neck Surgery, Department of Sensory and Locomotor Medicine, Faculty of Medical Science, University of Fukui, Japan  Tetsuji Takabayashi

SY2-3 Direct approach to the anterior and lateral part of the maxillary sinus with an endoscope
Department of Otorhinolaryngology, The Jikei University School of Medicine, Tokyo  Kazuhiro Omura

SY2-4 The Influence of Eosinophils on the Manifestation and Surgical Outcomes of CRSwNP
Departments of Otolaryngology, China Medical University Hospital, Taichung, Taiwan / School of Medicine, China Medical University, Taichung, Taiwan  Chih-Jaan Tai

SY2-5 Rhinoplasty in Rhinology
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  Chih-Wen Twu

SY2-6 Updates in the management and mechanism of olfactory dysfunction
Department of Otorhinolaryngology-Head and Neck Surgery, Taipei Veterans General Hospital, Taiwan  Chien-Fu Yeh
Luncheon Seminar 1
11:50 - 12:50
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

Symposium 3
13:00 - 14:20
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

**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 Otorhinolaryngology, 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 Otorhinolaryngology, 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

**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

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 mandibullectomy 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

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 Hatakayama

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
Program

Luncheon Seminar 2  
11:50 - 12:50  
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Moderator:  Tatsuya Yamasoba  (Department of Otolaryngology and Head & Neck Surgery, University of Tokyo, Japan)

**LS2**  
Intervention and treatment for chronic sensorineural hearing loss  
Department of Otolaryngology School of Medicine, Keio University, Japan  
Kaoru Ogawa

Paper 1  
13:00 - 13:40

Laryngology 1

Moderator:  Tuan-Jen Fang  (Department of Otolaryngology Head and Neck Surgery, Chang Gung Memorial Hospital at Linkou, Chang Gung University, Taoyuan, Taiwan)

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  
13:40 - 14:20

Laryngology 2

Moderator:  Yusuke Watanabe  (Tokyo Voice Center, International University of Health and Welfare, Sanno Hospital, Japan)

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, 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) and 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 Ebara 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-refractory Laryngopharyngeal Reflux Symptoms: A Prospective Study Based on High-resolution Impedance
- 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

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*)

**O04-01** 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

**O04-02** Systematic quantification of the anion transport function of pendrin and its disease-associated variants  
*National Hospital Organization Tokyo Medical Center, Japan*  
Koichiro Wasano

**O04-03** 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

**O04-04** Nestin may be a candidate for regeneration of cochlear hair cells in the mouse organ of Corti  
*Kumamoto University, Japan*  
Hiroki Takeda

**Paper 5** 9:30 - 10:10

**Otology 2**

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

**O05-01** Cryopreservation of human nasal mucosal tissue for fabricating transplantable cell sheet  
*Department of Otorhinolaryngology, Jikei University School of Medicine, Japan*  
Hung-I Hsu

**O05-02** 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

**O05-03** The difficulty of determining Eustachian tube function using Eustachian tube function tests alone  
*Kyorin University, Japan*  
Masatsugu Masuda

**O05-04** 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
**Program**

**Paper 6**

**Otology 3**

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

**O06-01** 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

**O06-02** 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

**O06-03** 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, Takanoko Hospital, Ehime, Japan  
Masahiro Komori

**O06-04** 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)

**O07-01** Indications and Surgical Outcomes of Enucleation for Benign Parotid Tumors  
Tenri Hospital, Japan  
Atsushi Taguchi

**O07-02** Effective preoperative embolization of the feeding arteries just before carotid body tumor resection  
Iwate Medical University, Japan  
Kiyoto Shiga

**O07-03** 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

**O07-04** 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

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

O08-03 Surgery for Oral Cancer with Infratemporal Fossa Invasion
Department of Otorhinolaryngology-Head and Neck Surgery, Tri-Service General Hospital, National Defense Medical Center, Taiwan
Yueng-Hsiang Chu

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

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

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 Otolaryngology – 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

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

O10-03 Novel evaluation method for cVEMP
St. Marianna University, Yokohama Seibu Hospital, Japan
Toru Seo

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
Paper 11  
15:20 - 16:00

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  
16:00 - 16:40

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  
16:40 - 17:10

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, Taitung, 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
### Head and Neck

**P01**  
**Title:** HPV-status determines the efficacy of an oral fluoropyrimidine, S-1, in oropharyngeal carcinoma  
**Authors:** Naohiro Wakisaka  
**Affiliation:** Division of Otolaryngology, and Head & Neck Surgery, Kanazawa University, Japan

**P02**  
**Title:** Significance of basaloid squamous cell carcinoma component in HPV-related oropharyngeal carcinoma  
**Authors:** Yo Suzuki  
**Affiliation:** Department of Otorhinolaryngology, Juntendo University Faculty of Medicine  
**Affiliation:** Department of Human Pathology, Juntendo Univ., School of Medicine, Japan

**P03**  
**Title:** Comprehensive analysis of HLA-presented peptides in head and neck cancer tissues  
**Authors:** Makoto Kurose  
**Affiliation:** Sapporo Medical University School of Medicine, Japan

**P04**  
**Title:** Experience of a Nivolimab use against our 32 cases of head and neck cancer  
**Authors:** Katsunori Tanaka  
**Affiliation:** Department of Otorhinolaryngology-Head and Neck Surgery, Graduate School of Medicine, University of Ritsumeikan, Japan

**P05**  
**Title:** A study of prophylactic antibiotics in head and neck reconstruction surgery  
**Authors:** Shunji Tamagawa  
**Affiliation:** Wakayama Medical University, Japan

**P06**  
**Title:** A clinical study of oropharyngeal squamous cell carcinoma  
**Authors:** Shunya Egawa  
**Affiliation:** Head and Neck Oncology Center, Showa University  
**Affiliation:** Department of Oral and Maxillofacial Surgery, Division of Oral Oncology, Japan

**P07**  
**Title:** A clinical study of lower gingival carcinoma  
**Authors:** Yoichiro Narikawa  
**Affiliation:** Department of Otorhinolaryngology, Showa University School of Medicine  
**Affiliation:** Head and Neck Oncology Center, Showa University, Japan

**P08**  
**Title:** Will Radiotherapy increase cardiovascular complication in Patients with Head and Neck Cancer? : A Nationwide Population-Based Cohort Study  
**Authors:** Yen Ting Lu  
**Affiliation:** Department of Otolaryngology, St. Martin De Porres Hospital  
**Affiliation:** Department of Otolaryngology, Chung Shan Medical University Hospital  
**Affiliation:** Institute of Medicine, Chung Shan Medical University, Taiwan

**P09**  
**Title:** Results of the Multidisciplinary Approach for Patients with T4b Malignant Tumors observed Middle Cranial Fossa Invasion of Maxillary Sinus  
**Authors:** Ryutarou Onaga  
**Affiliation:** Department of Otolaryngology, Head and Neck Surgery, Jichi Medical University, Japan

**P10**  
**Title:** Poorly differentiated clusters are prognostic factors for T1 or T2 squamous cell carcinoma of the external auditory canal  
**Authors:** Masaru Miyazaki  
**Affiliation:** Department of Otorhinolaryngology, Fukuoka Dental College Medical & Dental Hospital  
**Affiliation:** Department of Otorhinolaryngology, Fukuoka University Hospital and School of Medicine  
**Affiliation:** Department of Pathology, Fukuoka University Hospital and School of Medicine, Japan

**P11**  
**Title:** Prediction for facial nerve paralysis after parotidectomy using intraoperative facial nerve monitoring  
**Authors:** Masaaki Higashino  
**Affiliation:** Otorhinolaryngology Head and Neck Surgery Osaka Medical College, Japan

**P12**  
**Title:** Incorporation of shear wave elastography into a prediction model in the assessment of cervical lymph nodes  
**Authors:** Wu-Chia Lo  
**Affiliation:** Department of Otolaryngology, Far Eastern Memorial Hospital, Taipei, Taiwan

**P13**  
**Title:** Seven cases of small cell carcinoma of the head and neck  
**Authors:** Katsunori Katagiri  
**Affiliation:** Iwate Medical University, Japan

**P14**  
**Title:** Two cases of carcinoma at sites of old maxillary fractures  
**Authors:** Masaki Kawabata  
**Affiliation:** Kagoshima University, Japan

**P15**  
**Title:** Advanced malignancy found incidentally with internal jugular venous thrombosis: a report of 2 cases  
**Authors:** Takahiro Tokunaga  
**Affiliation:** Otorhinolaryngology, Shinseikai Toyama Hospital, Japan
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-Shiuan Kuo

Perivascular epithelioid cell tumor(PEComa) of major salivary gland
Changhua Christian Hospital, Otolaryngology–Head and Neck Surgery, Changhua City, Taiwan
Wen-Che Tsai

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

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

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

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

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

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

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

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

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
P28  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

P29  OSA patient with Vertigo have higher risk of REM OSA
Shuang Ho Hospital, Taiwan  Po-Yueh Chen

P30  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

P31  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

P32  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

P33  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

Poster  14:20 - 15:20

Otology

P34  vHIT usefullness in the patients with unstable vestibular compensation
Saitama Medical University, Japan  Susumu Shindo

P35  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

P36  Cochlear implantation in a case of POU4F3 gene mutation
Department of Otorhinolaryngology, Head and Neck Surgery, Tokyo Medical University, Japan  Keitaro Miyake

P37  Cochlear implantation with local anesthesia
Department of Otorhinolaryngology, International University of Health and Welfare, Mita Hospital, Japan  Shogo Oyamada

P38  Hyperbaric oxygen with steroid and prostaglandin E1 for idiopathic sudden sensorineural hearing loss
Juntendo Hospital, Japan  Satoshi Hara

P39  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

P40  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

P41  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

P42  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

P44

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

P45

Department of Otorhinolaryngology, Kanazawa Medical University, Japan

Hideaki Shiga

Clinical features and treatment results of the patients with olfactory disorders

P46

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

P47

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

Ayami Kimura
**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)

**SY10-1** Changes in vertigo frequency and endolymphatic volumes after endolymphatic sac drainage surgery  
Department of Otolaryngology, Nara Medical University, Japan  
Tadashi Kitahara

**SY10-2** Changes in cognitive function in patients with intractable dizziness following vestibular rehabilitation  
Department of Otorhinolaryngology, Tokai University, Japan  
Fumiyuki Goto

**SY10-3** Persistent Postural-Perceptual Dizziness (PPPD): ICD-11-cited chronic vestibular syndrome  
Department of Otolaryngology Head and Neck Surgery, Niigata University, Japan  
Arata Horii

**SY10-4** Vestibular Dysfunction in Patients with Idiopathic Sudden Sensorineural Hearing Loss  
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  
Sheng-Chiao Lin

**SY10-5** Inner migraine and vertigo  
ENT Department Kung-Tien General Hospital, Taiwan  
Jen-Tsung Lai

**SY10-6** Idol worship and reflection in vertiginous diseases  
Department of Otolaryngology-Head and Neck Surgery, Dalin Tzu Chi Hospital, Chiayi, Taiwan / School of Medicine, Tzu Chi University, Hualien, Taiwan  
Juen-Haur Hwang

### 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)

**SY11-1** Percutaneous ethanol injection therapy in the treatment of thyroid cyst  
Office of the Thyroid Ultrasound Examinations, Fukushima Medical University School of Medicine / Department of Otolaryngology Head and Neck Surgery, Fukushima Medical University Hospital, Japan  
Takashi Matsuzaka

**SY11-2** The current status of cervical schwannoma surgery and the attempt of reduction in postoperative neurological deficit  
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  
Toshikazu Shimane

**SY11-3** Fukui-style retro-auricular approach of Endoscopic thyroid surgery without robot  
Department of Otorhinolaryngology Head and neck surgery, University of Fukui, Japan  
Masafumi Kanno

**SY11-4** Application of multi-arm or single-port robotic surgical systems for the trans-hairline approach of submandibular gland resection  
Department of Otolaryngology & Head Neck Surgery, National Taiwan University Hospital, Taiwan  
Tsung-Lin Yang

**SY11-5** Ultrasound-Guided Fine-Needle Aspiration Drainage and Percutaneous Ethanol Injection for Benign Neck Cysts  
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  
Li-Jen Liao

**SY11-6** The role of ultrasound of Pediatric head and neck  
Department of Otorhinolaryngology, Head and Neck Surgery, Changhua Christian Hospital, Changhua City, Taiwan  
Ming-Yu Hsieh

### Closing Remarks

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

December 7

Symposium 12 8:50 - 10:10

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 10:20 - 11:00

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
<table>
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<tr>
<th>Paper 16</th>
<th>11:00 - 11:30</th>
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<tr>
<td><strong>Laryngology 3</strong></td>
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<td><strong>Moderator:</strong> Ryuzaburo Higo (Department of Otorhinolaryngology, Juntendo University Urayasu Hospital, Japan)</td>
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| **O16-01** 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 |
| **O16-02** 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 |
| **O16-03** 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*

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

2. **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

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

4. **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*

1. **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

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

3. **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*

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

2. **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

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

4. **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 flattter  
Tokyo Medical University Hachioji Medical Center, Japan  
Yusuke Aihara