



# Inspire your Heart for Rhinology

# ISIAN & IRS 2024

42<sup>nd</sup> Congress of the International Society of Inflammation and Allergy of the Nose  
24<sup>th</sup> Congress of the International Rhinologic Society

**APRIL 4-6, 2024 TOKYO, JAPAN**

Keio Plaza Hotel Tokyo

**Canon**

Changing the possibilities of diagnostic imaging

A microscopic world made possible

by a 0.25-mm x 160-row, 1792-channel detector

—

AI technology,\*  
taking high-definition imaging to new heights

High Resolution × AI Technology

***Aquilion Precision***



*Precision*  
***Aquilion***

\* The CT system itself does not have self-learning capabilities.  
[Information on pharmaceutical certification in Japan]

Japanese Medical Device Nomenclature: Whole body X-ray computed tomography system  
Sales name: CT scanner Aquilion Precision (TSX-304A) Certification number: 228ACBZX00019000

B000799

Inspire your  
**Heart** for Rhinology

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## PROGRAM

42<sup>nd</sup> Congress of the International Society of Inflammation and Allergy of the Nose

24<sup>th</sup> Congress of the International Rhinologic Society

Organizers



With the support of



### ISIAN & IRS 2024 Partners

Platinum

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**Medtronic**

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**TCVB** 公益財団法人 東京観光財団  
Tokyo Convention & Visitors Bureau

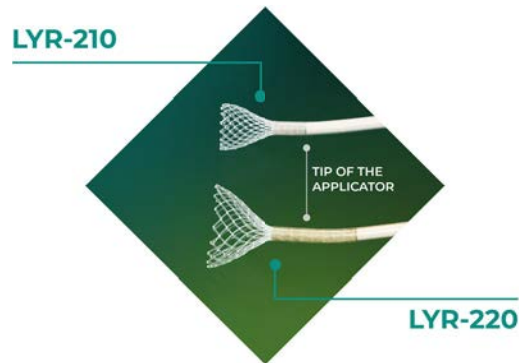


## Developing innovative therapies for the localized treatment of chronic rhinosinusitis

Our product candidates, LYR-210 and LYR-220, are nasal implants designed to deliver up to six months of continuous anti-inflammatory drug therapy to the sinonasal passages for the treatment of CRS.

[LYRATHERAPEUTICS.COM](https://www.lyrtherapeutics.com)

*Lyra's product candidates, LYR-210 and LYR-220, have not been approved by the FDA or any other health authority.*



### ORAL PRESENTATIONS

**PRESENTER: BRENT A. SENIOR, MD**

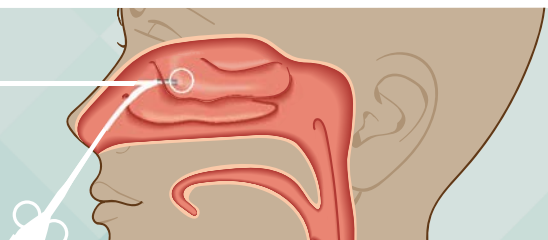
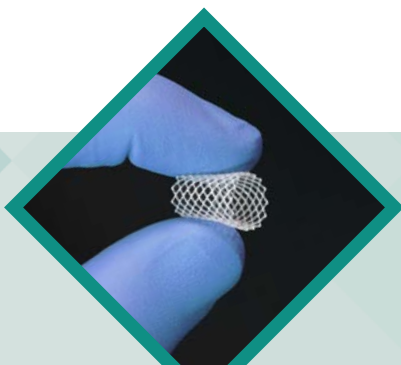
**Extended-release mometasone furoate implant (LYR-220) improves symptoms in subjects with chronic rhinosinusitis from the BEACON study**

**Session: Oral 3 "Operating Devices"  
Thursday, April 4, 2024 (5:30 - 6:00pm)**

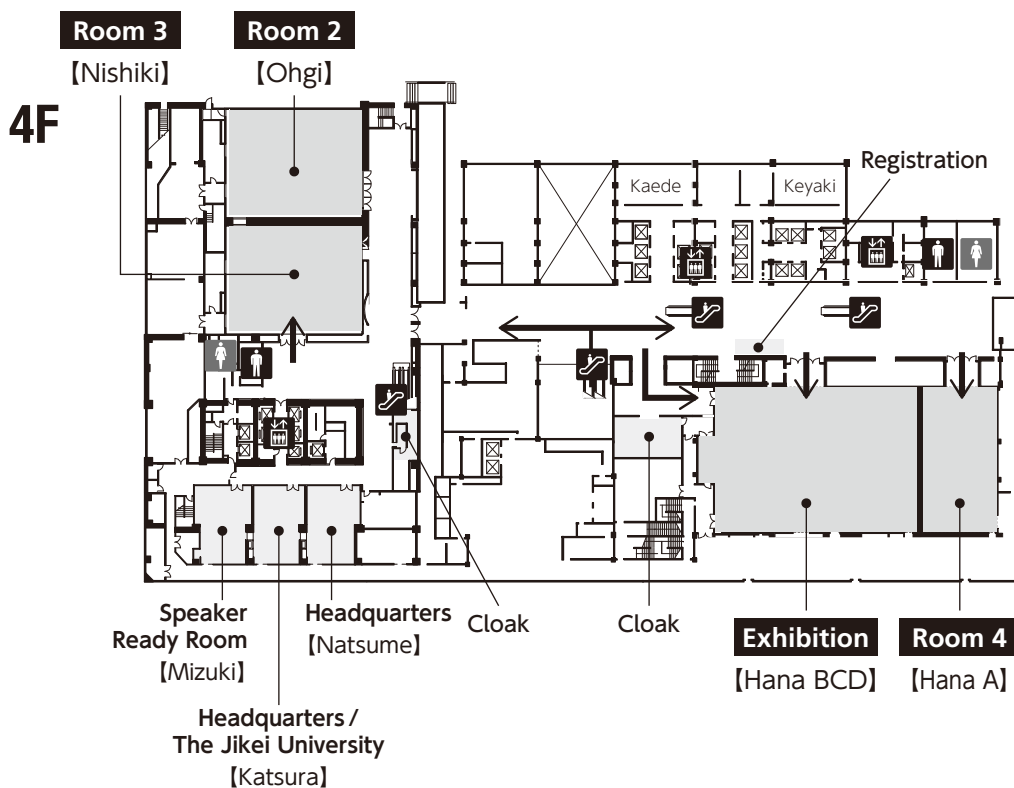
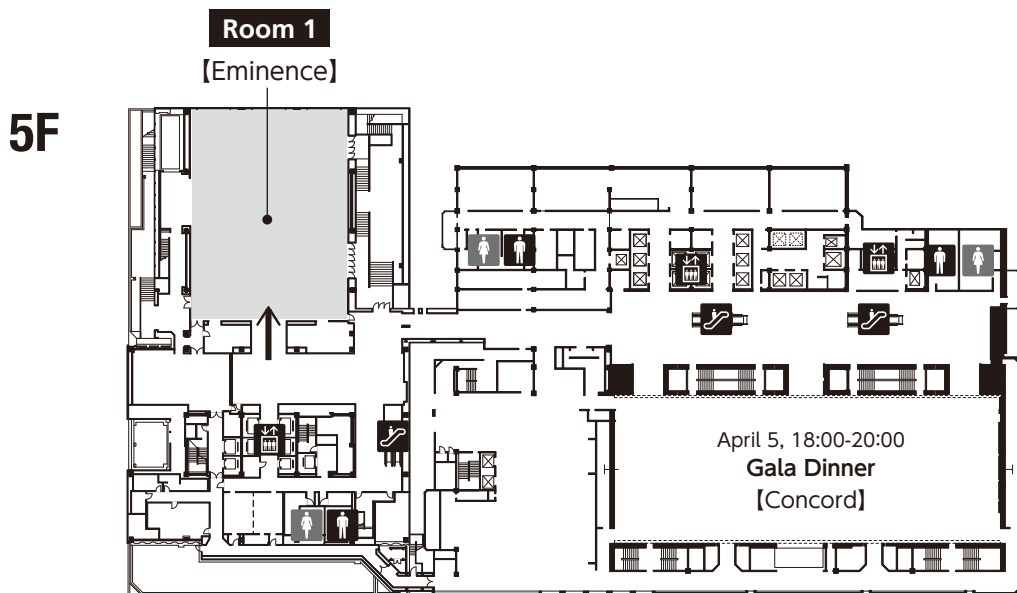
**PRESENTER: ROBERT C. KERN, MD**

**Long-acting corticosteroid sinus implants in clinical development for patients with chronic rhinosinusitis**

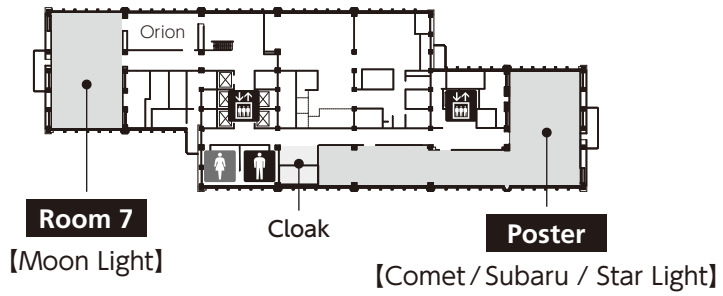
**Session: Oral 3 "Operating Devices"  
Thursday, April 4, 2024 (5:30 - 6:00pm)**



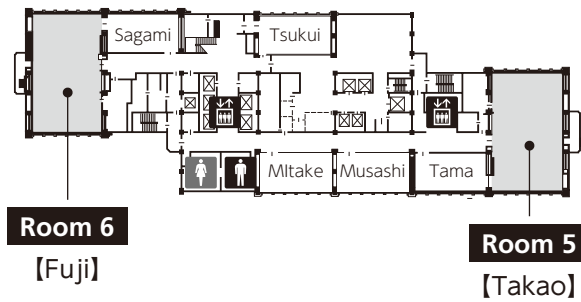
# Floor Map



## 43F



## 42F





# Program at a Glance

Thursday, April 4th, 2024

	Room 1 Eminence	Room 2 Ohgi	Room 3 Nishiki	Room 4 Hana A
8:30	Opening Ceremony <b>N. Otori,</b> <b>H. Abdulrahman</b>			
8:50	ISIAN History & IRS History <i>Chair: H. Kawauchi</i> <i>Speakers:</i> <b>M. Onerci,</b> <b>D. Kennedy</b>			
9:30	Past and Future <i>Past and Future of Sinus and Skull-Base Surgery</i> <i>Chair: D. Kennedy</i> <i>Speaker: N. Otori</i>			
9:50				
10:00		Symposium 1 <b>How to Approach to Orbit and Pterygoid Lesion?</b> <i>Chairs:</i> <b>B. Bleier,</b> <b>M. Kobayashi</b> <i>Speakers:</i> <b>B. Bleier,</b> <b>M. Chang,</b> <b>T. Takeda,</b> <b>P. Purushothaman</b>	Symposium 5 <b>Sinusitis-Type2 Part 1</b> <i>Chairs:</i> <b>P. Gevaert,</b> <b>S. Fujieda</b> <i>Speakers:</i> <b>Y. Imoto,</b> <b>F. Romano,</b> <b>D. Kim,</b> <b>B. Tan</b>	Symposium 9 <b>Urgent Surgery</b> <i>Chair:</i> <b>J. Siow</b> <i>Speakers:</i> <b>S. Shin,</b> <b>K. Takabayashi,</b> <b>L. Altamimi,</b> <b>J. Kwon</b>
11:30				
11:40	Luncheon Seminar 1 <b>The pathogenesis of type2 inflammation and treatment with DUP</b> <i>Chair: M. Okano</i> <i>Speaker: C. Bachert</i> <i>Sponsored by Sanofi Regeneron</i>	Luncheon Seminar 2 <b>The-state-of-the-art digital technology in ESS</b> <i>Chair: Y. Nakamaru</i> <i>Speakers: P. Chen, M. Suzuki</i> <i>Sponsored by Stryker Japan</i>		Luncheon Seminar 3 <b>Treatment of CRS, end of surgery?</b> <i>Chair: E. Mori</i> <i>Speaker: W. Fokkens</i> <i>Sponsored by The Jikei University</i>
12:30	Coffee Break			
12:50				



**Thursday, April 4th, 2024**


<b>Room 5</b> Takao	<b>Room 6</b> Fuji	<b>Room 7</b> Moon Light	<b>Poster</b> Comet / Subaru / Star Light	<b>Exhibition</b> Hana BCD		
					9:00	
Symposium 12	Oral 4	Oral 9			10:00	
<b>Surgical Training</b> <i>Chairs:</i> <b>R. Orlandi,</b> <b>M. Tepedino</b> <hr/> <i>Speakers:</i> <b>W. Wang,</b> <b>P. Chen,</b> <b>L. Balsalobre,</b> <b>S. Aoki</b>	<b>Lacrimal Surgery</b> <i>Chairs: F. Valera, K. Otsuka</i> <i>IDs: O-015, O-016, O-017</i> <hr/> <p style="text-align: center;">Oral 5</p> <b>ESS Techniques</b> <i>Chairs:</i> <b>Y. Lu,</b> <b>Y. Hinohira</b> <i>IDs: O-018, O-019, O-020,</i> <i>O-021, O-022, O-023</i>	<b>Biotherapy for CRS</b> <i>Chairs:</i> <b>S. Wise,</b> <b>T. Takabayashi</b> <i>IDs: O-041, O-042, O-043,</i> <i>O-044, O-045, O-046</i> <hr/> <p style="text-align: center;">Oral 10</p> <b>CCAD</b> <i>Chairs: J. DelGaudio, Y. Tsai</i> <i>IDs: O-047, O-048, O-049</i>	Set-up		10:30	
					11:00	
						11:30
						12:00
Coffee Break					Exhibition	12:30
					12:50	

# Program at a Glance

Thursday, April 4th, 2024

	<b>Room 1</b> Eminence	<b>Room 2</b> Ohgi	<b>Room 3</b> Nishiki	<b>Room 4</b> Hana A
12:50	Cadaver Dissection 1  <i>Moderators:</i> <b>B. Senior,</b> <b>C. Hopkins</b>  <i>Operators:</i> <b>K. Wada,</b> <b>M. Nakanishi</b>  <i>Sponsored by</i> <b>KARL. STORZ SE &amp; Co. KG</b>	Symposium 2  <b>How to Manage IP?</b>  <i>Chairs:</i> <b>R. Kamel,</b> <b>Y. Nakamaru</b>  <i>Speakers:</i> <b>A. Felippu,</b> <b>N. Aoi,</b> <b>L. Altamimi,</b> <b>T. Ebihara,</b> <b>R. Kamel</b>	Symposium 6  <b>Surgery for Allergic and Non-allergic Rhinitis</b>  <i>Chairs:</i> <b>R. Kern,</b> <b>A. Matsubara</b>  <i>Speakers:</i> <b>T. Baudoin,</b> <b>B. Sutikno,</b> <b>J. DelGaudio,</b> <b>S. Carney</b>	Symposium 10  <b>How to Evaluate and Manage the Qualitative Olfactory Dysfunction?</b>  <i>Chairs:</i> <b>C. Kim,</b> <b>K. Tsuzuki</b>  <i>Speakers:</i> <b>B. Kim,</b> <b>M. Fornazieri,</b> <b>K. Okazaki,</b> <b>R. Sekine</b>
14:05				
14:20	Coffee Break			
14:40	Cadaver Dissection 2  <i>Moderators:</i> <b>D. Conley,</b> <b>R. Douglas</b>  <i>Operators:</i> <b>T. Sanuki,</b> <b>H. Jung</b>  <i>Sponsored by</i> <b>KARL. STORZ SE &amp; Co. KG</b>	Symposium 3  <b>Basic Mucosal Immunity</b>  <i>Chairs:</i> <b>J. Palmer,</b> <b>H. Lee</b>  <i>Speakers:</i> <b>T. Ishino,</b> <b>K. Cho,</b> <b>D. Wang,</b> <b>I. Tojima</b>	Symposium 7  <b>Sinusitis-Type2 Part 2</b>  <i>Chairs:</i> <b>H. Cho,</b> <b>S. Haruna</b>  <i>Speakers:</i> <b>M. Desrosiers,</b> <b>Z. Liu,</b> <b>T. Bezerra,</b> <b>L. Shih</b>	Symposium 11  <b>What's New for Sensorineural Olfactory Dysfunction?</b>  <i>Chairs:</i> <b>T. Hummel,</b> <b>T. Miwa</b>  <i>Speakers:</i> <b>L. Van Gerwen,</b> <b>R. Ueha,</b> <b>S. Chusakul,</b> <b>R. Jiang</b>
15:55				
16:10	Coffee Break			
16:30		Symposium 4  <b>Rhinology around the World</b>  <i>Chairs:</i> <b>T. Yeh,</b> <b>M. Asako</b>  <i>Speakers:</i> <b>N. Thapa,</b> <b>B. Sutikno,</b> <b>V. Srey</b>	Symposium 8  <b>How to Treat Complication (Saddle Nose and Empty Nose Syndrome and so on)?</b>  <i>Chairs:</i> <b>J. Nayak, T. Miyawaki</b>  <i>Speakers:</i> <b>L. Kalish,</b> <b>Y. Hosokawa,</b> <b>J. Nayak</b>	Instruction Course 1  Pediatric Endoscopic Skull Base Surgery <i>Chair: N. Ohta Speaker: J. Palmer</i>
16:45	Cadaver Dissection 3  <i>Moderators:</i> <b>D. Kennedy,</b> <b>R. Kamel</b>  <i>Operators:</i> <b>B. Zhou,</b> <b>K. Omura</b>  <i>Sponsored by</i> <b>Stryker Japan</b>			
16:50				
17:00				Keynote Lecture 1  Longterm treatment of nasal polyp disease <i>Chair: T. Yamada</i> <i>Speaker: C. Bachert</i>
17:30				
18:00				
19:00	Faculty Dinner Hotel Chinzanso Tokyo (Invitation Only) Bowling Party Sasazuka Bowl (Registration Only)			

**Thursday, April 4th, 2024**

<b>Room 5</b> Takao	<b>Room 6</b> Fuji	<b>Room 7</b> Moon Light	<b>Poster</b> Comet / Subaru / Star Light	<b>Exhibition</b> Hana BCD	
Symposium 13	Symposium 14	Oral 11			12:50
<b>Cooperation between Medicine and Engineering</b> <i>Chairs:</i> <b>P. Hwang, N. Otori</b> <i>Speakers:</i> <b>N. Otori, R. Campbell, R. Oguro, J. Kim</b>	<b>Current Management in Sleep Medicine</b> <i>Chair:</i> <b>S. Chiba</b> <i>Speakers:</i> <b>S. Toh, C. Lin, C. Park, K. Ikeda</b>	<b>CRS Diagnosis &amp; Investigations</b> <i>Chairs: C. Tai, K. Kano</i> <i>IDs: O-050, O-051, O-052, O-053, O-054</i>			13:00
		Oral 12 <b>Eosinophils in CRS</b> <i>Chairs:</i> <b>K. Cho, N. Yoshida</b> <i>IDs: O-055, O-056, O-057, O-058, O-059</i>			13:40
Coffee Break					14:20
					14:30
Oral 1	Oral 6	Oral 13			14:40
<b>Technological Advancement</b> <i>Chairs: E. Kuan, S. Nakata</i> <i>IDs: O-001, O-002, O-003, O-004, O-005</i>	<b>Adult OSA</b> <i>Chairs:</i> <b>J. Cho, H. Hara</b> <i>IDs: O-024, O-025, O-026, O-027, O-028</i>	<b>Symptom &amp; QOL in CRS</b> <i>Chairs:</i> <b>S. Khalife, Y. Kitamura</b> <i>IDs: O-060, O-061, O-062, O-063, O-064, O-065, O-066</i>	Poster	Exhibition	
	Oral 7 <b>Pediatric &amp; Diagnostic OSA</b> <i>Chairs:</i> <b>S. Heo, N. Itsuo</b> <i>IDs: O-029, O-030, O-031, O-032, O-033, O-034</i>				15:30
Coffee Break					15:50
		Oral 14			16:10
Oral 2	Oral 8	<b>Prognostic Factors of CRS</b> <i>Chairs:</i> <b>I. Park, M. Suzuki</b> <i>IDs: O-067, O-068, O-069, O-070, O-071</i>			16:20
<b>Odontogenic &amp; COVID-19</b> <i>Chairs:</i> <b>C. Rhee, K. Sato</b> <i>IDs: O-006, O-007, O-008, O-009, O-010, O-011</i>	<b>Imaging &amp; Investigations</b> <i>Chairs:</i> <b>R. Roldan, S. Kariya</b> <i>IDs: O-035, O-036, O-037, O-038, O-039, O-040</i>				16:30
		Oral 15 <b>Risk Factors &amp; Prognosis of CRS</b> <i>Chairs: S. Luo, T. Hemmi</i> <i>IDs: O-072, O-073, O-074, O-075, O-076</i>	Poster Core Time 		17:00
Oral 3 <b>Operating Devices</b> <i>Chairs: R. Kern, S. Matsune</i> <i>IDs: O-012, O-013, O-014</i>					17:10
					17:30
					18:00
Faculty Dinner Hotel Chinzanso Tokyo (Invitation Only) Bowling Party Sasazuka Bowl (Registration Only)					19:00

# Program at a Glance

Friday, April 5th, 2024

	Room 1 Eminence	Room 2 Ohgi	Room 3 Nishiki	Room 4 Hana A
8:30		Keynote Lecture 2 <b>Chronic rhinosinusitis: Past, present and future</b> <i>Chair: K. Kawashima</i> <i>Speaker: V. Lund</i>	Instruction Course 2 Medical Entrepreneurship for the Rhinologist: A View from Silicon Valley <i>Chair: K. Wada Speaker: P. Hwang</i>	Instruction Course 3 Precision Molecular Diagnosis of Allergic Rhinitis for Personalized Management <i>Chair: T. Sakamoto Speaker: P. Tantilipikorn</i>
8:50				
9:00		Keynote Lecture 3 <b>New insights in Chronic Rhinosinusitis</b> <i>Chair: N. Otori</i> <i>Speaker: P. Wormald</i>	Symposium 17 <b>Skull Base Reconstruction</b> <i>Chairs: E. Kuan, S. Tanaka</i> <i>Speakers: A. Folbe, E. Kuan, M. Lan, L. Tran</i>	Symposium 21 <b>Local Allergic Rhinitis</b> <i>Chairs: C. Kim, K. Okubo</i> <i>Speakers: H. Kouzaki, S. Matsune, P. Campo</i>
9:30		Keynote Lecture 4 <b>New treatment options in CRS, the role of type2 inflammation</b> <i>Chair: C. Tai</i> <i>Speaker: W. Fokkens</i>		
10:00		Keynote Lecture 5 Sino Nasal & Skull Base Cancers: Progress, Challenges & Future Directions <i>Chair: K. Omura</i> <i>Speaker: E. Hanna</i>		
10:30	Coffee Break			
10:50		Keynote Lecture 6 From Hopkins to Hopkins - an evolution of endoscopic sinus surgery <i>Chair: E. Mori</i> <i>Speaker: C. Hopkins</i>	Symposium 18 <b>Re-ope How I Do It?</b> <i>Chairs: Y. Chan, M. Suzuki</i> <i>Speakers: P. Narayanan, T. Sakamoto, R. Harvey, N. Mendoza</i>	Symposium 22 <b>Updated Pathogenesis of Allergic Rhinitis and Biologics</b> <i>Chairs: A. Peters, M. Okano</i> <i>Speakers: P. Gevaert, S. Yonekura, T. Kim, I. Tojima</i>
11:20				
11:30		Sponsored Session <b>Clinical remission with international statement (from EUFOREA)</b> <i>Chair: S. Fujieda</i> <i>Speakers: E. De Corso, P. Hellings</i> <i>Sponsored by Sanofi Regeneron</i>		
12:20				
12:30				
12:40		Luncheon Seminar 4 <b>MoA of Olfactory Dysfunction</b> <i>Chair: S. Takeno</i> <i>Speaker: J. Mullol</i> <i>Sponsored by Sanofi Regeneron</i>	Luncheon Seminar 5 <b>Functional Rhinoplasty: Better form Better breathing</b> <i>Chair: M. Nakanishi</i> <i>Speaker: T. Won</i> <i>Sponsored by The Jikei University</i>	Luncheon Seminar 6 Natural remedies for sinonasal infections and inflammation effectively provide quick relief of symptoms and optimization of long-term treatment <i>Chairs: R. Kern, V. Lund</i> <i>Speakers: M. Desrosiers, H. Kawachi, D. Vicheva</i> <i>Sponsored by Alpen Pharma Company</i>
13:30				

**Friday, April 5th, 2024**


<b>Room 5</b> Takao	<b>Room 6</b> Fuji	<b>Room 7</b> Moon Light	<b>Poster</b> Comet / Subaru / Star Light	<b>Exhibition</b> Hana BCD	
Keynote Lecture 7 <b>Clinical aspects of plasticity in the olfactory systems</b> <i>Chair: K. Kondo</i> <i>Speaker: T. Hummel</i>					8:30
Symposium 25 <b>Diagnosis Tool for Olfactory Dysfunction</b> <i>Chairs:</i> <b>J. Mullol,</b> <b>H. Shiga</b> <i>Speakers:</i> <b>M. Nakanishi,</b> <b>M. Tei,</b> <b>Y. Chao,</b> <b>B. Kim</b>	Oral 19 <b>Epistaxis &amp; HHT</b> <i>Chairs:</i> <b>K. Snidvongs,</b> <b>I. Suzuki</b> <i>IDs: O-087, O-088, O-089, O-090</i>	Oral 25 <b>Benign Sinonasal Tumors</b> <i>Chairs:</i> <b>A. Felippu,</b> <b>H. Yokoi</b> <i>IDs: O-116, O-117, O-118, O-119, O-120</i>			9:00
	Oral 20 <b>Rhinoplasty</b> <i>Chairs:</i> <b>P. Palma,</b> <b>Y. Hosokawa</b> <i>IDs: O-091, O-092, O-093, O-094, O-095</i>	Oral 26 <b>Benign Nasal Tumor Diagnosis &amp; Treatment</b> <i>Chairs:</i> <b>N. Mendoza, N. Yanagi</b> <i>IDs: O-121, O-122, O-123, O-124</i>			9:40
					9:50
					10:00
Coffee Break	Oral 21 <b>Turbinate &amp; Septal Surgeries</b>				10:30
					10:40
Symposium 26 <b>Refractory Olfactory Dysfunction and Its Novel Treatment Strategies</b> <i>Chairs:</i> <b>R. Costanzo,</b> <b>M. Kobayashi</b> <i>Speakers:</i> <b>R. Costanzo,</b> <b>Z. Patel,</b> <b>K. Liang,</b> <b>H. Morishita</b>	<i>Chairs:</i> <b>O. Piltcher,</b> <b>M. Suzuki</b> <i>IDs: O-096, O-097, O-098, O-099, O-100, O-101</i>	Oral 27 <b>CSF Repair</b> <i>Chairs:</i> <b>S. Subramaniam,</b> <b>T. Okuni</b> <i>IDs: O-125, O-126, O-127, O-128, O-129</i>	Poster	Exhibition	10:50
	Oral 22 <b>Salvage Surgery &amp; Treatment</b> <i>Chairs:</i> <b>C. Neto,</b> <b>K. Kobayashi</b> <i>IDs: O-102, O-103, O-104, O-105, O-106, O-107</i>	Oral 28 <b>Skull Base Surgeries</b> <i>Chairs:</i> <b>B. Roongpuvapaht,</b> <b>T. Takeda</b> <i>IDs: O-130, O-131, O-132, O-133, O-134</i>			11:30
					11:40
					12:20
					12:30

# Program at a Glance

Friday, April 5th, 2024

	<b>Room 1</b> Eminence	<b>Room 2</b> Ohgi	<b>Room 3</b> Nishiki	<b>Room 4</b> Hana A
13:30	Coffee Break			
13:50		<p style="text-align: center;">Symposium 15</p> <p><b>Neurosurgery &amp; ENT Teamwork</b></p> <p><i>Chairs:</i> <b>S. Alsaleh, Y. Ishii</b></p> <p><i>Speakers:</i> <b>T. Sanuki, N. Teo, Y. Ishii, S. Alsaleh</b></p>	<p style="text-align: center;">Symposium 19</p> <p><b>How to Manage ONB?</b></p> <p><i>Chairs:</i> <b>E. Wang, M. Lan</b></p> <p><i>Speakers:</i> <b>E. Wang, K. Omura, N. Fukasawa, S. Hong</b></p>	<p style="text-align: center;">Symposium 23</p> <p><b>Sinusitis-Pathophysiology Part 1</b></p> <p><i>Chairs:</i> <b>L. Zhang, A. Peters</b></p> <p><i>Speakers:</i> <b>T. Takabayashi, S. Luo, I. Park, W. Stevens</b></p>
15:20	Coffee Break			
15:40		<p style="text-align: center;">Symposium 16</p> <p><b>Humanitarian</b></p> <p><i>Chairs:</i> <b>B. Senior, K. Omura</b></p> <p><i>Speakers:</i> <b>T. Sakphea, K. Omura, B. Senior, L. Tran</b></p>	<p style="text-align: center;">Symposium 20</p> <p><b>How to Manage JNA?</b></p> <p><i>Chairs:</i> <b>M. Önerci, S. Nishiike</b></p> <p><i>Speakers:</i> <b>I. Tang, A. Psaltis, B. Roongpuvapaht, M. Chin</b></p>	<p style="text-align: center;">Symposium 24</p> <p><b>Sinusitis-Pathophysiology Part 2</b></p> <p><i>Chairs:</i> <b>W. Fokkens, M. Nonaka</b></p> <p><i>Speakers:</i> <b>K. Takeda, W. Fokkens, S. Hwang, C. Chin</b></p>
17:10				
18:00	Gala Dinner 5F Concord			
20:00				

**Friday, April 5th, 2024**

<b>Room 5</b> Takao	<b>Room 6</b> Fuji	<b>Room 7</b> Moon Light	<b>Poster</b> Comet / Subaru / Star Light	<b>Exhibition</b> Hana BCD		
Coffee Break					13:30	
Symposium 27	Oral 23	Oral 29	Poster	Exhibition	13:50	
<b>Clinical and Basic Knowledge for Treating Olfactory Dysfunction and Diseases in Olfactory Cleft</b>	<b>Preoperative Management</b> <i>Chairs: S. Lee, Y. Wang</i> <i>IDs: O-108, O-109, O-110, O-111</i>	<b>Orbital Surgery</b> <i>Chairs: P. Purushothaman, Y. Maeda</i> <i>IDs: O-135, O-136, O-137, O-138, O-139</i>			14:10	
<i>Chairs: E. Holbrook, K. Kondo</i>	Oral 24	Oral 30			14:30	
<i>Speakers: H. Nishijima, P. Rombaux, E. Mori, N. Duc Trung</i>	<b>Postoperative Management</b> <i>Chair: S. Nishiike</i> <i>IDs: O-112, O-113, O-114, O-115</i>	<b>Trans Oral Surgery &amp; Nasopharyngeal Carcinoma</b> <i>Chairs: I. Tang, S. Makihara</i> <i>IDs: O-140, O-141, O-142, O-143, O-144, O-145</i>			14:40	
Coffee Break						15:10
Oral 16	Symposium 28	Symposium 29				15:20
<b>Fungal Infections</b> <i>Chairs: W. Lima, S. Hong</i> <i>IDs: O-077, O-078, O-079</i>	<b>Pre Surgical Management</b> <i>Chairs: C. Tai, K. Nomura</i> <i>Speakers: K. Nomura, M. Tepedino, K. Snidvongs, S. Makihara</i>	<b>Current topics for HHT</b> <i>Chairs: V. Lund, T. Miwa</i> <i>Speakers: V. Lund, M. Hayama, H. De La Garza, C. Ahlstrom Emanuelsson, T. Terada</i>				15:30
Oral 17						15:40
<b>AFRS (ECRS)</b> <i>Chairs: E. Sakano, M. Yoshikawa</i> <i>IDs: O-080, O-081, O-082, O-083</i>						16:10
Oral 18						16:30
<b>Pediatric &amp; Congenital Disease</b> <i>Chairs: D. Vicheva, M. Ohki</i> <i>IDs: O-084, O-085, O-086</i>				16:50		
			Poster Core Time 	17:00		
				17:10		
				17:20		
Gala Dinner 5F Concord					18:00	
					20:00	

# Program at a Glance

Saturday, April 6th, 2024

	<b>Room 1</b> Eminence	<b>Room 2</b> Ohgi	<b>Room 3</b> Nishiki	<b>Room 4</b> Hana A
8:30		Instruction Course 4 <i>Sinonasal osteomas with orbital involvement</i> Chair: <b>A. Gulati</b> Speaker: <b>S. Karpishchenko</b>	Instruction Course 5 <i>Immunology of airway allergy</i> Chair: <b>S. Fujieda</b> Speaker: <b>Z. Liu</b>	Instruction Course 6 <i>Effective Use of Olfactory Tests in Japan</i> Chair: <b>P. Rombaux</b> Speaker: <b>S. Kikuta</b>
8:50	Cadaver Dissection 4			
9:00	Moderators: <b>V. Lund,</b> <b>P. Hwang</b> Operators: <b>P. Narayanan,</b> <b>R. Harvey</b> Sponsored by <b>Stryker Japan</b>	Symposium 30 <b>How to Manage Sinonasal Malignant Tumor?</b> Chairs: <b>E. Hanna,</b> <b>T. Hanazawa</b> Speakers: <b>T. Hanazawa,</b> <b>M. Yu,</b> <b>Y. Honma,</b> <b>C. Pinheiro Neto</b>	Symposium 33 <b>Sinusitis-Fungus</b> Chairs: <b>S. Alsaleh,</b> <b>M. Yoshikawa</b> Speakers: <b>T. Nakayama,</b> <b>Y. Lin,</b> <b>F. Valera,</b> <b>S. Khalife</b>	Symposium 36 <b>ESS for Severe Sinusitis</b> Chairs: <b>J. Shi,</b> <b>T. Nakagawa</b> Speakers: <b>R. Orlandi,</b> <b>M. Suzuki,</b> <b>Q. Yang,</b> <b>D. Gudis</b>
10:05				
10:20	Cadaver Dissection 5			
10:30	Moderators: <b>C. Rhee,</b> <b>E. Kuan</b>	Coffee Break		
10:50	Operators: <b>E. Wang,</b> <b>M. Lan,</b> <b>W. Wang</b> Sponsored by <b>Stryker Japan</b>	Symposium 31 <b>Refractory Rhinosinusitis-East Asia Session</b> Chair: <b>T. Takabayashi</b> Speakers: <b>Y. Maeda,</b> <b>F. Chen,</b> <b>P. Chang,</b> <b>K. Cho</b>	Panel Discussion <b>Biologic Therapies</b> Chair/Panelist: <b>E. Toskala</b> Panelists: <b>G. Nyquist,</b> <b>D. Kennedy,</b> <b>S. Lee,</b> <b>C. Hopkins</b>	Symposium 37 <b>Complication</b> Chairs: <b>H. De La Garza,</b> <b>K. Wada</b> Speakers: <b>C. Chin,</b> <b>T. Kingdom,</b> <b>E. Tamashiro,</b> <b>W. Yao,</b> <b>S. Subramaniam</b>
11:35				
11:50	Cadaver Dissection 6 Moderator: <b>B. Bleier</b> Operator: <b>B. Roongpuvapaht</b> Sponsored by <b>Stryker Japan</b>			
12:20				
12:30	Luncheon Seminar 7 Chair: <b>N. Otori</b> Speakers: <b>T. Kingdom, A. Psaltis</b> Sponsored by <b>Medtronic Japan Inc.</b>			Luncheon Seminar 8 <b>EGPA pathogenesis: The emerging role of eosinophils</b> Chair: <b>A. Mikiya</b> Speaker: <b>S. Ueki</b> Sponsored by <b>GlaxoSmithKline K.K.</b>
13:20	Coffee Break			



**Saturday, April 6th, 2024**

<b>Room 5</b> Takao	<b>Room 6</b> Fuji	<b>Room 7</b> Moon Light	<b>Poster</b> Comet / Subaru / Star Light	<b>Exhibition</b> Hana BCD			
Round Table 2	Oral 31	Oral 38	Poster	Exhibition	9:00		
<b>Controversies in management of chronic rhinosinusitis with nasal polyposis</b>	<b>Allergic Rhinitis Pathophysiology</b>	<b>Basic Research of CRS</b>					
<i>Chair/Panelist:</i> <b>R. Kern</b>	<i>Chairs:</i> <b>D. Wang, S. Hamada</b>	<i>Chair:</i> <b>M. Sakashita</b>					
<i>Panelists:</i> <b>B. Senior, P. Batra, S. Wise, Y. Chan</b>	<i>IDs:</i> O-146, O-147, O-148, O-149	<i>IDs:</i> O-176, O-177, O-178, O-179, O-180, O-181, O-182, O-183					
	Oral 32						
	<b>Non-Allergic Rhinitis</b>						
	<i>Chairs:</i> <b>D. Lee, M. Miwa</b>						
	<i>IDs:</i> O-150, O-151, O-152						
Coffee Break							10:30
Symposium 40	Oral 33	Oral 39					10:50
<b>Definition and Control for Severe Allergic Rhinitis</b>	<b>Air Pollution &amp; Allergic Rhinitis</b>	<b>Mechanism of CRS</b>					
<i>Chairs:</i> <b>P. Tantilipikorn, T. Yamada</b>	<i>Chairs:</i> <b>E. Prokopakis, T. Matsuoka</b>	<i>Chairs:</i> <b>D. Kim, Y. Imoto</b>					
<i>Speakers:</i> <b>J. Min, S. Wise, M. Sakashita, P. Gevaert</b>	<i>IDs:</i> O-153, O-154, O-155, O-156	<i>IDs:</i> O-184, O-185, O-186, O-187					
	Oral 34	Oral 40			11:30		
	<b>Allergic Rhinitis Treatment</b>	<b>Endotypes in CRS</b>					
	<i>Chairs:</i> <b>T. Yeh, T. Terada</b>	<i>Chairs:</i> <b>H. Cho, S. Kikuchi</b>					
	<i>IDs:</i> O-157, O-158, O-159, O-160, O-161	<i>IDs:</i> O-188, O-189, O-190					
Luncheon Seminar 9					12:00		
<b>Histology and Pathophysiology of Human Olfactory Disorders</b>					12:20		
<i>Chair:</i> <b>K. Tsuzuki</b>					12:30		
<i>Speaker:</i> <b>E. Holbrook</b>							
<i>Sponsored by</i> <b>The Jikei University</b>							
Coffee Break					13:20		

# Program at a Glance

Saturday, April 6th, 2024

	Room 1 Eminence	Room 2 Ohgi	Room 3 Nishiki	Room 4 Hana A
	Coffee Break			
13:40	<p>Live Surgery</p> <p><b>Basic ESS following Lamella concept, Draf with SLAP FLAP, DALMA</b></p> <p><i>Moderators:</i> <b>N. Otori, T. Won</b></p> <p><i>Operator:</i> <b>K. Omura</b></p> <p><i>Sponsored by</i> <b>Medtronic Japan Inc. and Olympus Marketing, Inc.</b></p>	<p>Round Table 1</p> <p><b>Skull Base Panel</b></p> <p><i>Chair/Panelist:</i> <b>E. Vining</b></p> <p><i>Panelists:</i> <b>E. Wang, Z. Patel, G. Nyquist, A. Kimple</b></p>	<p>Symposium 34</p> <p><b>Allergen Immunotherapy for Allergic Rhinitis</b></p> <p><i>Chairs:</i> <b>S. Durham, M. Gotoh</b></p> <p><i>Speakers:</i> <b>E. Toskala, C. Ahlstrom Emanuelsson, D. Kim, D. Sakurai</b></p>	<p>Symposium 38</p> <p><b>Functional Septorhinoplasty</b></p> <p><i>Chairs:</i> <b>C. Twu, A. Mikiya</b></p> <p><i>Speakers:</i> <b>K. Seresirikachorn, J. Choi, J. Imura, C. Twu</b></p>
15:10	Coffee Break			
15:30		<p>Symposium 32</p> <p><b>Microbiome</b></p> <p><i>Chairs:</i> <b>R. Douglas, C. Rhee</b></p> <p><i>Speakers:</i> <b>R. Douglas, M. Kidoguchi, K. Tochigi, Y. Lu</b></p>	<p>Symposium 35</p> <p><b>Sinusitis-Non-type2</b></p> <p><i>Chairs:</i> <b>P. Hellings, T. Shimizu</b></p> <p><i>Speakers:</i> <b>O. Piltcher, D. Conley, R. Roldan, H. Kouzaki</b></p>	<p>Symposium 39</p> <p><b>Aesthetic Septorhinoplasty</b></p> <p><i>Chairs:</i> <b>E. Prokopakis, D. Lee</b></p> <p><i>Speakers:</i> <b>A. Agius, A. Mesbahi, S. Kodama, E. Prokopakis</b></p>
17:00	Closing Ceremony <b>N. Otori</b>			
17:10				

**Saturday, April 6th, 2024**

<b>Room 5</b> Takao	<b>Room 6</b> Fuji	<b>Room 7</b> Moon Light	<b>Poster</b> Comet / Subaru / Star Light	<b>Exhibition</b> Hana BCD	
Coffee Break					
Symposium 41	Oral 35	Oral 41			13:40
<b>Pediatric Rhinology</b> <i>Chairs:</i> <b>S. Karpischenko,</b> <b>N. Ohta</b> <i>Speakers:</i> <b>D. Vicheva,</b> <b>Y. Chan,</b> <b>K. Kawashima</b>	<b>Olfactory &amp; Gustatory Function</b> <i>Chairs:</i> <b>S. Chusaku, S. Kikuta</b> <i>IDs:</i> O-162, O-163, O-164, O-165, O-166, O-167	<b>Lymphoma &amp; Rare Tumors</b> <i>Chairs:</i> <b>P. Tantilipikorn, S. Tanaka</b> <i>IDs:</i> O-191, O-192, O-193, O-194, O-195, O-196, O-197			14:40
					14:50
Coffee Break					15:10
Symposium 42	Oral 36	Oral 42			15:30
<b>Current topics for PCD</b> <i>Chairs:</i> <b>D. Kim,</b> <b>N. Morimoto</b> <i>Speakers:</i> <b>A. Kimple,</b> <b>H. Kim,</b> <b>Y. Xu,</b> <b>I. Suzuki</b>	<b>Olfactory &amp; Gustatory Dysfunction Insights</b> <i>Chairs: Z. Patel, H. Akazawa</i> <i>IDs:</i> O-168, O-169, O-170, O-171	<b>Miscellaneous Treatment</b> <i>Chairs:</i> <b>T. Baudoin, Y. Takizawa</b> <i>IDs:</i> O-198, O-199, O-200, O-201			16:10
	Oral 37	Oral 43			16:50
	<b>Olfactory Dysfunction &amp; Recovery</b> <i>Chairs: Y. Chao, J. Suzuki</i> <i>IDs:</i> O-172, O-173, O-174, O-175	<b>Craniomaxillofacial Reconstruction</b> <i>Chairs: W. Yao, K. Takabayashi</i> <i>IDs:</i> O-202, O-203, O-204, O-205			17:00

# Program

Thursday, April 4th, 2024

## Room 1 (Eminence)

### 8:30-8:50 **Opening Ceremony**

Nobuyoshi Otori, *Tokyo, Japan*  
Hussain Abdulrahman, *Dubai, United Arab Emirates*

### 8:50-9:30 **ISIAN History & IRS History**

Chair: Hideyuki Kawauchi, *Japan*

#### **The History of the IRS**

Metin T Onerci, *Ankara, Turkey*

#### **ISIAN History**

David Kennedy, *Pennsylvania, USA*

### 9:30-9:50 **Past and Future**

Chair: David Kennedy, *USA*

#### **Past and Future of Sinus and Skull-Base Surgery**

Nobuyoshi Otori, *Tokyo, Japan*

### 11:40-12:30 **Luncheon Seminar 1**

#### **The pathogenesis of type2 inflammation and treatment with DUP**

Chair: Mitsuhiro Okano, *Japan*

LS1

#### **Understanding Type 2 Inflammation and the Role of Dupilumab in CRSwNP Disease Control**

Claus Bachert, *Munster, Germany*

*Sponsored by Sanofi Regeneron*

### 12:30-12:50 **Coffee Break**

### 12:50-14:05 **Cadaver Dissection 1**

Moderators: Brent A. Senior, *USA*  
Claire Hopkins, *UK*

CD1-1

#### **Basics ESS**

Operator: Kota Wada, *Tokyo, Japan*

CD1-2

#### **70°angled endoscope for Max. and Sphe. sinu**

Operator: Marcio Nakanishi, *Brasilia, Brazil*

*Sponsored by KARL. STORZ SE & Co. KG*

14:20-14:40 **Coffee Break**

14:40-15:55 **Cadaver Dissection 2**

Moderators: David Conley, *USA*  
Richard George Douglas, *New Zealand*

CD2-1 **Septoplasty & Septal Flap**

Operator: Tetsuji Sanuki, *Nagoya, Japan*

CD2-2 **SPA Ligation & DCR**

Operator: Hahn Jin Jung, *Cheongju, Korea*

*Sponsored by KARL. STORZ SE & Co. KG*

16:10-16:30 **Coffee Break**

16:45-18:00 **Cadaver Dissection 3**

Moderators: David Kennedy, *USA*  
Reda H Kamel, *Egypt*

CD3-1 **Prelacrimal Approach, Extended Max. sinus Approach**

Operator: Bing Zhou, *Beijing, China*

CD3-2 **DRAF with SLAP flap DALMA approach**

Operator: Kazuhiro Omura, *Tokyo, Japan*

*Sponsored by Stryker Japan*

## Room 2 (Ohgi)

10:00-11:30 **Symposium 1**

**How to Approach to Orbit and Pterygoid Lesion?**

Chairs: Benjamin Saul Bleier, *USA*  
Masayoshi Kobayashi, *Japan*

SY01-1 **Approaches to Orbital and Pterygoid Lesions**

Benjamin Bleier, *Boston, USA*

SY01-2 **Endoscopic Surgical Anatomy of the Pterygopalatine Fossa**

Michael Chang, *Stanford, USA*

SY01-3 **Techniques in Orbital Decompression and Reconstruction**

Tepei Takeda, *Tokyo, Japan*

SY01-4 **Transpterygoid Approaches to Cavernous Sinus and Meckels Cave with the Concurrence of Chair Few Months Back**

P. K. Purushothaman, *Chennai, India*

11:40-12:30 **Luncheon Seminar 2**

**The-state-of-the-art digital technology in ESS**

Chair: Yuji Nakamaru, *Japan*

LS2-1 **The-state-of-the-art digital technology in ESS**

Philip G Chen, *Texas, USA*

LS2-2 **Augmented Reality-supported Endoscopic Sinus Surgery**

Masanobu Suzuki, *Hokkaido, Japan*

*Sponsored by Stryker Japan*

12:30-12:50 **Coffee Break**

12:50-14:20 **Symposium 2**

**How to Manage IP?**

Chairs: Reda Kamel, *Egypt*  
Yuji Nakamaru, *Japan*

SY02-1 **Managing IP with Centripetal Approach**

Alexandre Felippu, *San Paulo, Brazil*

SY02-2 **How to manage IP recurrence and complicated SCC**

Noriaki Aoi, *Izumo, Japan*

SY02-3 **Prelacrimal approach for maxillary sinus**

Laith Altamimi, *Baghdad, Iraq*

SY02-4 **Surgical strategy and pedicle prediction from tendency of basal bone thickening for inverted papilloma**

Teru Ebihara, *Tokyo, Japan*

SY02-5 **Surgery of Sinonasal Inverted Papilloma: An Updated Origin Oriented Grading**

Reda Kamel, *Cairo, Egypt*

14:20-14:40 **Coffee Break**

14:40-16:10 **Symposium 3**

**Basic Mucosal Immunity**

Chairs: James N. Palmer, *USA*  
Heung-Man Lee, *Korea*

SY03-1 **Transcriptome analysis of chronic rhinosinusitis during treatment with dupilumab - cytokine-cytokine interaction and mucosal immunity**

Takashi Ishino, *Hiroshima, Japan*

SY03-2 **Immunomodulatory Effects of Adipose Stem Cell-Derived Extracellular Vesicles in Allergic Airway Disease**

Kyu-Sup Cho, *Busan, Korea*

SY03-3 **Infection of respiratory viruses: a trigger of acute and chronic sinonasal mucosal inflammation**

De Yun Wang, *Singapore, Singapore*

**SY03-4** **A new therapeutic potential of 17,18-epoxyeicosatetraenoic acid for ILC2-mediated type 2 airway inflammation induced by IL-33**

Ichiro Tojima, *Otsu, Japan*

16:10-16:30 **Coffee Break**

16:30-18:00 **Symposium 4**

### **Rhinology around the World**

Chairs: Te-Huei Yeh, *Taiwan*  
Mikiya Asako, *Japan*

**SY04-1** **ENT especially Rhinology Services in Nepal**

Nar Maya Thapa, *Kathmandu, Nepal*

**SY04-2** **Chronic Rhinosinusitis in Daily Clinical Practice**

Budi Sutikno, *Surabaya, Indonesia*

**SY04-3** **Endoscopic Sinus Surgery in Cambodia: What will the future hold?**

Vanthan Srey, *Phnom Penh, Cambodia*

## **Room 3 (Nishiki)**

10:00-11:30 **Symposium 5**

### **Sinusitis-Type2 Part 1**

Chairs: Philippe Gevaert, *Belgium*  
Shigeharu Fujieda, *Japan*

**SY05-1** **Approaching the insights into the pathogenesis of eosinophilic chronic rhinosinusitis**

Yoshimasa Imoto, *Fukui, Japan*

**SY05-2** **Phenotyping and Endotyping CRSwNP patients. The brazilian experience**

Fabrizio Ricci Romano, *Sao Paulo, Brazil*

**SY05-3** **Changes in the function of neutrophils in type 2 CRSwNP**

Dae Woo Kim, *Seoul, Korea*

**SY05-4** **The effects and implications of Type 2 inflammation on endoscopic sinus surgery outcomes**

Bruce K Tan, *Chicago, USA*

12:30-12:50 **Coffee Break**

12:50-14:20 **Symposium 6**

### **Surgery for Allergic and Non-allergic Rhinitis**

Chairs: Robert Kern, *USA*  
Atsushi Matsubara, *Japan*

**SY06-1** **Surgery for Allergic and Non-allergic Rhinitis: Septoplasty**

Tomislav Baudoin, *Zagreb, Croatia*

**SY06-2** **Controlled Turbinoplasty**

Budi Sutikno, *Surabaya, Indonesia*

**SY06-3 Central Compartment Atopic Disease**

John M DelGaudio, *Atlanta, USA*

**SY06-4 Surgical posterior nasal nerve section for autonomic rhinitis: anatomical concepts and surgical technique**

Simon Carney, *Adelaide, Australia*

**14:20-14:40 Coffee Break**

**14:40-16:10 Symposium 7**

**Sinusitis-Type2 Part 2**

Chairs: Hyung-Ju Cho, *Korea*  
Shinichi Haruna, *Japan*

**SY07-1 Multimodal Surgery Combining ESS with a Short Course of Biologics: Are We Closer to a Cure for CRSwNP?**

Martin Desrosiers, *Montreal, Canada*

**SY07-2 The role of epithelial cells in regulating inflammation and tissue remodeling in CRSwNP**

Zheng Liu, *Wuhan, China*

**SY07-3 Optimizing CRSwNP Management: Unmasking Surgery, Biologics and Non-Responders**

Thiago F P Bezerra, *Recife, Brazil*

**SY07-4 Clinical feature-based diagnosis criteria of eosinophil and non-eosinophil chronic rhinosinusitis in Taiwan**

Liang-Chun Shih, *Taichung, Taiwan*

**16:10-16:30 Coffee Break**

**16:30-18:00 Symposium 8**

**How to Treat Complication (Saddle Nose and Empty Nose Syndrome and so on)?**

Chairs: Jayakar V Nayak, *USA*  
Takeshi Miyawaki, *Japan*

**SY08-1 ENS as a by product of patient selection rather than surgical technique: introducing Functional Nasal Obstruction (FNO) as a diagnostic entity prior to nasal surgery**

Larry Hilton Kalish, *Sydney, Australia*

**SY08-2 Surgical treatment for empty nose syndrome using dermis fat; changes in symptoms and nasal cavity volume**

Yu Hosokawa, *Saitama, Japan*

**SY08-3 Empty Nose Syndrome: What have we learned over the past decade?**

Jayakar V Nayak, *Palo Alto, USA*



## Room 4 (Hana A)

### 10:00-11:30 **Symposium 9**

#### **Urgent Surgery**

Chair: Jin Keat Siow, *Singapore*

**SY09-1 Orbital complication of rhinosinusitis in adult**

Seung-Heon Shin, *Daegu, Korea*

**SY09-2 How to Manage Urgent Cases of Orbital Blowout Fracture**

Kosuke Takabayashi, *Asahikawa, Japan*

**SY09-3 Orbital complication of acute rhinosinusitis**

Laith Altamimi, *Baghdad, Iraq*

**SY09-4 White eyed blowout fracture as an emergency operation**

Jae Hwan Kwon, *Busan, Korea*

### 11:40-12:30 **Luncheon Seminar 3**

Chair: Eri Mori, *Japan*

**LS3 Treatment of CRS, end of surgery?**

Wytske J Fokkens, *Amsterdam, Netherlands*

*Sponsored by The Jikei University*

### 12:30-12:50 **Coffee Break**

### 12:50-14:20 **Symposium 10**

#### **How to Evaluate and Manage the Qualitative Olfactory Dysfunction?**

Chairs: Chang-Hoon Kim, *Korea*  
Kenzo Tsuzuki, *Japan*

**SY10-1 How to Evaluate and Manage the Qualitative Olfactory Dysfunction?**

Boo Young Kim, *Seoul, Korea*

**SY10-2 Photobiomodulation Therapy for Olfactory Dysfunction**

Marco Aurelio Fornazieri, *Londrina, Brazil*

**SY10-3 Assessing Qualitative Olfactory Dysfunction Using Outpatient Statistics**

Ken Okazaki, *Hyogo, Japan*

**SY10-4 Advancements in Assessing Qualitative Olfactory Dysfunction: Exploring New Evaluation Strategies and Trigger Odorants**

Rumi Sekine, *Tokyo, Japan*

### 14:20-14:40 **Coffee Break**

14:40-16:10 **Symposium 11**

**What's New for Sensorineural Olfactory Dysfunction?**

Chairs: Thomas Hummel, *Germany*  
Takaki Miwa, *Japan*

**SY11-1 Visualizing the acute phase of SARS-CoV-2 infection in deceased COVID-19 patients**

Laura Van Gerven, *Leuven, Belgium*

**SY11-2 Clinical aspects and pathophysiology of olfactory dysfunction in COVID-19**

Rumi Ueha, *Tokyo, Japan*

**SY11-3 The association of olfactory loss, hearing loss and mild cognitive impairment**

Supinda Chusakul, *Bangkok, Thailand*

**SY11-4 The effect of platelet-rich plasma and hyaluronic acid nasal injection in the treatment of traumatic olfactory dysfunction**

Rong-San Jiang, *Taichung, Taiwan*

16:10-16:30 **Coffee Break**

16:30-16:50 **Instruction Course 1**

Chair: Nobuo Ohta, *Japan*

**IC1 Pediatric Endoscopic Skull Base Surgery**

James N. Palmer, *Philadelphia, USA*

17:00-17:30 **Keynote Lecture 1**

Chair: Takechiyo Yamada, *Japan*

**KY1 Longterm treatment of nasal polyp disease**

Claus Bachert, *Ghent, Belgium*

**Room 5 (Takao)**

10:00-11:30 **Symposium 12**

**Surgical Training**

Chairs: Richard Orlandi, *USA*  
Miguel Soares Tepedino, *Brazil*

**SY12-1 From lab to OR: surgical training in skull base laboratory**

Wei-Hsin Wang, *Taipei, Taiwan*

**SY12-2 3D Reconstruction of Frontal Sinus Anatomy for Surgical Planning**

Philip G Chen, *San Antonio, USA*

**SY12-3 Utilizing Live Porcine Models for Surgeon Training in Vascular Lesion Control during Endoscopic Sinus and Skull Base Surgery**

Leonardo Balsalobre, *Sao Paulo, Brazil*

**SY12-4 Remote surgical training for endoscopic sinus surgery**

Satoshi Aoki, *Saitama, Japan*

12:30-12:50 **Coffee Break**

12:50-14:20 **Symposium 13**

### **Cooperation between Medicine and Engineering**

Chairs: Peter Hwang, *USA*  
Nobuyoshi Otori, *Japan*

**SY13-1 Study of correlation between color of nasal sinus mucosa and inflammation level using a new endoscopic image processing technique (Simulated Coloring Mode)**

Nobuyoshi Otori, *Tokyo, Japan*

**SY13-2 How engineering can reduce musculoskeletal injuries and in surgeons**

Raewyn Campbell, *Sydney, Australia*

**SY13-3 Relationship between nasal cavity shape and voice - Aiming for a world where there is no longer any concern about voice changes after surgery**

Ryoji Oguro, *Tokyo, Japan*

**SY13-4 Leveraging Large Language Models: A New Frontier in Data Science Research Writing**

Jong-Yeup Kim, *Daejeon, Korea*

14:20-14:40 **Coffee Break**

14:40-15:30 **Oral 1**

### **Technological Advancement**

Chairs: Edward C. Kuan, *USA*  
Seiichi Nakata, *Japan*

**O-001 Remote ESS training course between Australia and Japan with 3D-printed models**

Masanobu Suzuki, *Sapporo, Japan*

**O-002 Wearable health tech/apps for research in Otolaryngology- a practical guide in logistics, challenges and implementation**

Amrita Ray, *Detroit, USA*

**O-003 Discovery of a Novel Cerebrospinal Fluid-Specific DNA Aptamer**

Edward C Kuan, *Irvine, CA, USA*

**O-004 Our learning journey for artificial intelligence in frontal sinus segmentation**

Owen Tsung Wen Ho, *Singapore, Singapore*

**O-005 Computer Navigated (CAS) Drainage of Rouvière Lymph Node Abscess**

Patrick Dubach, *Bern, Switzerland*

16:10-16:30 **Coffee Break**

16:30-17:30 **Oral 2**

### **Odontogenic & COVID-19**

Chairs: Chae-Seo Rhee, *Korea*  
Kiminori Sato, *Japan*

**O-006 Clinical Factors for Odontogenic Maxillary Sinusitis Requiring FESS**

Kenta Fukui, *Yokohama, Japan*

- O-007 **Efficacy of transmaxillary removal of root apex lesions for the treatment of odontogenic maxillary sinusitis**  
Akiko Ito, *Tokyo, Japan*
- O-008 **Pathophysiology of the maxillary sinusitis caused by dental implantation**  
Kiminori Sato, *Kurume, Japan*
- O-009 **Innate immune signatures in the nasopharynx after SARS-CoV-2 Infection and links with the clinical outcome of COVID-19 in Omicron-dominant period**  
Hyun Jik Kim, *Seoul, Korea*
- O-010 **Fluticasone propionate suppresses Poly(I:C)-induced ACE2 in primary human nasal epithelial cells**  
Akira Nakazono, *Sapporo, Japan*
- O-011 **Influenza viral infection is a risk factor for severe illness in COVID-19 patients: a nationwide population-based cohort study**  
Jong Seung Kim, *Jeonju, Korea*

17:30-18:00 **Oral 3**

**Operating Devices**

Chairs: Robert Kern, *USA*  
Shoji Matsune, *Japan*

- O-012 **Extended-release mometasone furoate implant (LYR-220) improves symptoms in subjects with chronic rhinosinusitis from the BEACON study**  
Brent A Senior, *Chapel Hill, NC, USA*
- O-013 **Long-acting corticosteroid sinus implants in clinical development for patients with chronic rhinosinusitis**  
Robert C Kern, *Chicago, IL, USA*
- O-014 **Possibility and indication of the double balloon catheter therapy for paranasal rhinosinusitis**  
Shoji Matsune, *Kawasaki, Japan*

**Room 6 (Fuji)**

10:00-10:30 **Oral 4**

**Lacrimal Surgery**

Chairs: Fabiana Cardoso Pereira Valera, *Brazil*  
Koji Otsuka, *Japan*

- O-015 **Microbiological study of chronic dacryocystitis**  
Yu-Wen Huang, *Taipei, Taiwan*
- O-016 **Actual practice of endoscopic dacryocystorhinostomy in our department**  
Yuichiro Horibe, *Hiroshima, Japan*
- O-017 **Retrograde probing in the management of children with congenital epiphora**  
Karen Briyanov Dzhambazov, *Plovdiv, Bulgaria*

### ESS Techniques

Chairs: Yen-Ting Lu, *Taiwan*  
Yasuyuki Hinohira, *Japan*

- O-018 **Modify Functional Endoscopic Sinus Surgery**  
Li Cheng Xu, *Nanning, China*
- O-019 **Prevention of frontal sinus ostium stenosis after modified Lothrop (Draf III) surgery using silicon plate with non-biomedical adhesive**  
Yasuyuki Hinohira, *Tokyo, Japan*
- O-020 **Subjective Outcomes after Endoscopic Modified Lothrop Procedures (EMLP). Does tissue eosinophilia matter ?**  
Ying-Piao Wang, *Taipei City, Taiwan*
- O-021 **Basic and clinical research in reconstructions of mucosal defects using nasal autologous mucosal tissues**  
Kosuke Tochigi, *Saitama, Japan*
- O-022 **Carolyn's Window Approach for Frontal Sinus Surgery in Asian Noses**  
Wirach Chitsuthipakorn, *Bangkok, Thailand*
- O-023 **Low transethmoid approach to treat isolated sphenoid lesions**  
Sang-Wook Kim, *Jinju, Korea*

### Current Management in Sleep Medicine

Chair: Shintaro Chiba, *Japan*

- SY14-1 **Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea In Asia: A Singapore Sleep Centre Experience**  
Song Tar Toh, *Singapore, Singapore*
- SY14-2 **Maxillomandibular Advancement for Obstructive Sleep Apnea: a Clinical Model Toward Precision Medicine**  
Clement, Cheng-Hui Lin, *Taoyuan, Taiwan*
- SY14-3 **Pathophysiology of OSA from the surgical point of views**  
Chan-Soon Park, *Suwon, Korea*
- SY14-4 **Current Status and Future of Sleep Medicine in Japan- New Initiatives at Jikei University School of Medicine-**  
Konomi Ikeda, *Kanagawa, Japan*

### **Adult OSA**

Chairs: Jae Hoon Cho, *Korea*  
Hiroataka Hara, *Japan*

- O-024 **An Observational Study to Correlate Site of Obstruction in Obstructive Sleep Apnea (OSAS) with Eustachian Tube Dysfunction and Reflux Disorders**  
Arvind Kumar Kairio, *New Delhi, India*
- O-025 **Relationship between initial pressure setting and continuous positive pressure therapy compliance**  
Yong Wan Kim, *Busan, Korea*
- O-026 **The clinical efficacy and therapeutic outcome of coblation system in endoscopic tongue base surgery of obstructive sleep apnea patients**  
Minju Kim, *Seoul, Korea*
- O-027 **Withdrawn**
- O-028 **Contribution of arousal and desaturation to cardiac output in obstructive sleep apnea patients**  
Hye Kyu Min, *Seoul, Korea*

### **Pediatric & Diagnostic OSA**

Chairs: Sung Jae Heo, *Korea*  
Nakajima Itsuo, *Japan*

- O-029 **Home sleep study versus in-laboratory polysomnography in children - a meta-analysis**  
Chloe Alexis Ong, *Singapore, Singapore*
- O-030 **Mouth Breathing, Upper Airway Obstruction, and Maxillofacial Development in Children: A CBCT and PSG Study**  
Zhaohui Shi, *Guangzhou, China*
- O-031 **Withdrawn**
- O-032 **Diagnostic Efficacy of Ultra-Short Term HRV Analysis in Obstructive Sleep Apnea**  
Dong-Kyu Kim, *Chuncheon, Korea*
- O-033 **Double-Layer Electrical Impedance Tomography Can Localize Upper Airway Obstruction Site During Sleep**  
Sang-Wook Kim, *Jinju, Korea*
- O-034 **Balloon Effect on Presurgical Nasopharyngoscopy for An Obstructive Sleep Apnea Patient**  
Akinori Asaka, *Taoyuan, Taiwan*

### **Imaging & Investigations**

Chairs: Rodante Roldan, *Philippines*  
Shin Kariya, *Japan*

- O-035** **Clinical and imaging features of ethmomaxillary sinus compared to Haller's cell**  
Jee Won Moon, *Seoul, Korea*
- O-036** **Anteriorly tilted coronal CT of paranasal sinuses for endoscopic sinus surgery**  
Kazuhiro Nomura, *Sendai, Japan*
- O-037** **Quantitative assessment of sinus imaging patterns in patients with chronic rhinosinusitis**  
Kota Takemoto, *Hiroshima, Japan*
- O-038** **Age-related nasal morphometric changes: A decade-long CT analysis**  
Changhee Lee, *Seoul, Korea*
- O-039** **A computational fluid dynamics study in a patient with two subtypes of empty nose syndrome: before and after submucosal implant**  
Ting-Shiuan Yeh, *Taoyuan, Taiwan*
- O-040** **Novel Technique to Measure Nitric Oxide Metabolites in the Sinonasal Cavity**  
Michelle Menon Miyake, *Philadelphia, USA*

## Room 7 (Moon Light)

### **Biotherapy for CRS**

Chairs: Sarah Wise, *USA*  
Tetsuji Takabayashi, *Japan*

- O-041** **Long-Term Outcomes and Clinical Remissions of Dupilumab**  
Airi Asako, *Osaka, Japan*
- O-042** **Dupilumab-related late adverse events in patients with chronic rhinosinusitis with nasal polyps**  
Toshiyuki Matsuyama, *Gunma, Japan*
- O-043** **Effect of dupilumab on sleep apnea severity in patients with chronic rhinosinusitis**  
Sang-Wook Kim, *Jinju, Korea*
- O-044** **Comparative short-term efficacy of endoscopic sinus surgery and biological therapies in chronic rhinosinusitis with nasal polyps: a network meta-analysis**  
Jiani Chen, *Shanghai, China*
- O-045** **Patients with chronic rhinosinusitis with nasal polyps (CRSwNP) had fewer sinus procedures and less healthcare resource utilization (HCRU) after initiating dupilumab in real-world practice**  
Mark Corbett, *Bridgewater, NJ, USA*
- O-046** **The real-world efficacy of dupilumab in chronic rhinosinusitis with nasal polyposis: A Meta-Analysis of Observational Studies**  
Fuying Cheng, *Shanghai, China*

11:00-11:30 **Oral 10**

### CCAD

Chairs: John M. DelGaudio, *USA*  
Yih-Jeng Tsai, *Taiwan*

- O-047 **A comparison of central compartment atopic disease and lateral dominant nasal polyps**  
Jia Hung Ma, *Taichung, Taiwan*
- O-048 **Surgical outcomes of Eosinophilic chronic rhinosinusitis with central compartment atopic disease in Taiwan: A Retrospective Study**  
Li-An Su, *Taichung, Taiwan*
- O-049 **Outcomes of endoscopic sinus surgery in patients with central compartment atopic disease**  
Fenghong Chen, *Guangzhou, China*

12:30-12:50 **Coffee Break**

12:50-13:40 **Oral 11**

### CRS Diagnosis & Investigations

Chairs: Chih-Feng Tai, *Taiwan*  
Kotaro Kano, *Japan*

- O-050 **Pathological endotype diagnosis and digital stereoscopic reconstruction of chronic rhinosinusitis with artificial intelligence using microscope and whole slide images: a nationwide real-world evidence study**  
Xin Luo, *Guangzhou, China*
- O-051 **Withdrawn**
- O-052 **The Chinese Experience in Treating Eosinophilic chronic rhinosinusitis**  
Fenghong Chen, *Guangzhou, China*
- O-053 **Baseline Disease Characteristics from Surgery-Naïve and Previous Surgical History Patients with Chronic Rhinosinusitis with Nasal Polyps in the Global AROMA Registry**  
Shigeharu Fujieda, *Fukui, Japan*
- O-054 **Baseline Disease Characteristics by Number of Previous Surgeries Among Patients with Chronic Rhinosinusitis with Nasal Polyps in the Global AROMA Registry**  
Shigeharu Fujieda, *Fukui, Japan*

13:40-14:30 **Oral 12**

### Eosinophils in CRS

Chairs: Kyu-Sup Cho, *Korea*  
Naohiro Yoshida, *Japan*

- O-055 **Tissue and serum eosinophil count predict recurrence in CRSwNP**  
Fabiana Cardoso Pereira Valera, *Ribeirao Preto, Brazil*
- O-056 **Significance as a prognostic factor of eosinophil count in nasal polyp tissue in patients with chronic rhinosinusitis accompanied by asthma**  
Seon Min Jung, *Seoul, Korea*
- O-057 **Tissue eosinophils as predictors for eosinophilic chronic rhinosinusitis in Taiwan**  
Wen-Lung Huang, *Taichung, Taiwan*



O-058 **Tissue eosinophilia and computed tomography features in paediatric chronic rhinosinusitis with nasal polyps requiring revision surgery**

Pei-wen Wu, *Taoyuan, Taiwan*

O-059 **Correlation of Tissue Eosinophil Levels with Lund-Mackay CT Scan Scores in Chronic Rhinosinusitis with Nasal Polyposis Patients Who Underwent Endoscopic Sinus Surgery in Western Visayas Medical Center from April 2018 to December 2019**

Gabriel Gibran Paclibar Tecson, *Iloilo City, Philippines*

14:30-14:40 **Coffee Break**

14:40-15:50 **Oral 13**

### **Symptom & QOL in CRS**

Chairs: Sarah Khalife, *Canada*  
Yoshiaki Kitamura, *Japan*

O-060 **Chronic Rhinitis and Stress: The Possible Culprits of Midfacial Segment Pain**

Tae-Hun Lee, *Jinju, Korea*

O-061 **Factors Influencing Health Utility Score of Chronic Rhinosinusitis Patients Across Multiple Methods**

Wirach Chitsuthipakorn, *Bangkok, Thailand*

O-062 **Correlation between Lund-Mackay computed tomography (CT) scores and subjective symptoms in Chinese patients with chronic rhinosinusitis with nasal polyps**

Li Hu, *Shanghai, China*

O-063 **Chinese adaptation and validation of the Chronic Rhinosinusitis-Patient-Reported Outcome (CRS-PRO): assessment of health-related quality-of-life**

Jiani Chen, *Shanghai, China*

O-064 **Sinonasal Quality of Life in Primary Ciliary Dyskinesia**

Theresa A Dickerson, *Chapel Hill, USA*

O-065 **A Qualitative Study of Surgical Hesitancy among Chinese American Patients with Chronic Rhinosinusitis**

Kevin Hur, *Los Angeles, USA*

O-066 **The Surprising Effect of Priming on SNOT-22 and RSDI Results**

Ibtisam Mohammad, *North Carolina, USA*

16:10-16:20 **Coffee Break**

16:20-17:10 **Oral 14**

### **Prognostic Factors of CRS**

Chairs: Il-Ho Park, *Korea*  
Motohiko Suzuki, *Japan*

O-067 **Multidrug resistance proteins are expressed in different degrees and types depending on the endotype of chronic rhinosinusitis**

Tomohisa Iinuma, *Chiba, Japan*

- O-068 **A methodological pipeline for investigating efficacy and toxicity of topical agents for the treatment of CRS**  
Samuel J M Hale, *Auckland, New Zealand*
- O-069 **Type 1/17 CD103+CD4+ nasal-resident memory T cells in non-eosinophilic chronic rhinosinusitis with nasal polyps**  
Dachan Kim, *Seoul, Korea*
- O-070 **Elevated Serum Uric Acid as a Novel Risk Factor for Rhinosinusitis Recurrence in Chinese Patients**  
Sijie Jiang, *Changsha, China*
- O-071 **Serum metabolomics identifies uric acid as a possible novel biomarker for predicting recurrence of chronic rhinosinusitis with nasal polyps**  
Shaobing Xie, *Changsha, China*

17:10-18:00 **Oral 15**

### **Risk Factors & Prognosis of CRS**

Chairs: Sheng-Dean Luo, *Taiwan*  
Tomotaka Hemmi, *Japan*

- O-072 **Reflux Finding Score & PepsinA in Chronic Rhinosinusitis due to Laryngopharyngeal Reflux**  
Aditya Wira Buana, *Surabaya, Indonesia*
- O-073 **Tonsillectomy as a risk factor of sinusitis in adults: a cross-sectional study from NHANES 2011–2014**  
Bing Guan, *Jiangsu, China*
- O-074 **Periostin as a predictor of postoperative nasal polyps recurrence**  
Teruyuki Sato, *Sendai, Japan*
- O-075 **Follow-up adherence and medication adherence after endoscopic sinus surgery effectively control the recurrence of chronic rhinosinusitis**  
Wendong Liu, *Guangzhou, China*
- O-076 **Pre-Surgical Endotype predicts need for more aggressive medical management after endoscopic sinus surgery in CRS patients**  
Aditi Agarwal, *IL, USA*

**Friday, April 5th, 2024**

**Room 2 (Ohgi)**

**8:30-9:00 Keynote Lecture 2**

Chair: Kayoko Kawashima, *Japan*

**KY2 Chronic rhinosinusitis: Past, present and future**  
Valerie Lund, *London, UK*

**9:00-9:30 Keynote Lecture 3**

Chair: Nobuyoshi Otori, *Japan*

**KY3 New insights in Chronic Rhinosinusitis**  
Peter John Wormald, *South Australia, Australia*

**9:30-10:00 Keynote Lecture 4**

Chair: Chih-Jaan Tai, *Taiwan*

**KY4 New treatment options in CRS, the role of type2 inflammation**  
Wyske J Fokkens, *Netherlands*

**10:00-10:30 Keynote Lecture 5**

Chair: Kazuhiro Omura, *Japan*

**KY5 Sino Nasal & Skull Base Cancers: Progress, Challenges & Future Directions**  
Ehab Hanna, *Houston, USA*

**10:30-10:50 Coffee Break**

**10:50-11:20 Keynote Lecture 6**

Chair: Eri Mori, *Japan*

**KY6 From Hopkins to Hopkins - an evolution of endoscopic sinus surgery**  
Claire Hopkins, *London, UK*

**11:30-12:30 Sponsored Session**

**Clinical remission with international statement (from EUFOREA)**

Chair: Shigeharu Fujieda, *Japan*

**SS-1 Eugenio De Corso, *Roma, Italy***

**SS-2 Evolving Perspectives in CRSwNP: From Symptoms Control to Disease Remission**  
Peter Hellings, *Leuven, Belgium*

*Sponsored by Sanofi Regeneron*

12:40-13:30 **Luncheon Seminar 4**

### **MoA of Olfactory Dysfunction**

Chair: Sachio Takeno, *Japan*

LS4

#### **The Importance of Understanding Smell Loss and Congestion in CRSwNP**

Joaquim Mullo, *Barcelona, Spain*

*Sponsored by Sanofi Regeneron*

13:30-13:50 **Coffee Break**

13:50-15:20 **Symposium 15**

### **Neurosurgery & ENT Teamwork**

Chairs: Saad Alsaleh, *Saudi Arabia*  
Yudo Ishii, *Japan*

SY15-1

#### **Building an endoscopic skull base surgery team through surgical training**

Tetsuji Sanuki, *Nagoya, Japan*

SY15-2

#### **Endoscopic skull base surgery teamwork through a rhinologist's perspective**

Neville Teo, *Singapore, Singapore*

SY15-3

#### **The need for team surgery involving ENT and neurosurgery in endoscopic endonasal skull base surgeries**

Yudo Ishii, *Tokyo, Japan*

SY15-4

#### **Establishment of a multidisciplinary skull base surgery program: strategies for success**

Saad Alsaleh, *Riyadh, Saudi Arabia*

15:20-15:40 **Coffee Break**

15:40-17:10 **Symposium 16**

### **Humanitarian**

Chairs: Brent A. Senior, *USA*  
Kazuhiro Omura, *Japan*

SY16-1

#### **Cambodian and Japanese team history**

Theng Sakphea, *Phnom Penh, Cambodia*

SY16-2

Kazuhiro Omura, *Tokyo, Japan*

SY16-3

#### **Optimizing Humanitarian Rhinology Outreach**

Brent Senior, *Chapel Hill, North Carolina, USA*

SY16-4

#### **How Humanitarian Works by American Otolaryngologists Helped Vietnam?**

Luan Tran, *Ho Chi Minh, Vietnam*

## Room 3 (Nishiki)

8:30-8:50

### **Instruction Course 2**

Chair: Kota Wada, *Japan*

IC2

#### **Medical Entrepreneurship for the Rhinologist: A View from Silicon Valley**

Peter H Hwang, *Palo Alto, USA*

9:00-10:30

### **Symposium 17**

#### **Skull Base Reconstruction**

Chairs: Edward C. Kuan, *USA*  
Shuho Tanaka, *Japan*

SY17-1

#### **Alternatives to the Nasoseptal Flap for Skull Base Reconstruction**

Adam Folbe, *Royal Oak, USA*

SY17-2

#### **Controversies and Themes in Skull Base Reconstruction: Survey of Expert Strategies**

Edward C Kuan, *Orange, CA, USA*

SY17-3

#### **Primary Skull Base Reconstruction for Large Dural Defects**

Ming-Ying Lan, *Taipei, Taiwan*

SY17-4

#### **Management of spontaneous CSF leaks in lateral recess of sphenoid sinus**

Luan Viet Tran, *Ho Chi Minh, Vietnam*

10:30-10:50

### **Coffee Break**

10:50-12:20

### **Symposium 18**

#### **Re-ope How I Do It?**

Chairs: Yvonne Chan, *Canada*  
Motohiko Suzuki, *Japan*

SY18-1

#### **Revision Surgery: How I do it**

Prepageran Narayanan, *Kuala Lumpur, Malaysia*

SY18-2

#### **Strategies for Managing Recurrent Frontal Sinusitis and Frontal Sinus Mucocele: Lessons from Challenging Cases**

Tatsunori Sakamoto, *Izumo, Japan*

SY18-3

#### **Picking, drug use and early post septoplasty cursting: everything I was taught was wrong**

Richard J Harvey, *Sydney, Australia*

SY18-4

#### **Endoscopic Sinus Surgery Dissection Courses: Evolution Over The Years and Practical Outcome**

Norman Naval Mendoza, *Pasig City, Philippines*

12:40-13:30 **Luncheon Seminar 5**

Chair: Marcio Nakanishi, *Brazil*

LS5

**Functional Rhinoplasty: Better form Better breathing**

Tae-Bin Won, *Seoul, Korea*

*Sponsored by The Jikei University*

13:30-13:50 **Coffee Break**

13:50-15:20 **Symposium 19**

**How to Manage ONB?**

Chairs: Eric W. Wang, *USA*  
Ming-Ying Lan, *Taiwan*

SY19-1

**Staging systems for ONB: new models to predict outcomes**

Eric W Wang, *Pittsburgh, USA*

SY19-2

Kazuhiro Omura, *Tokyo, Japan*

SY19-3

**Clinico-pathological participation in grossing of nasal specimens**

Nei Fukasawa, *Tokyo, Japan*

SY19-4

**Treatment Outcome of Olfactory Neuroblastoma: A Multicenter Study by the Korean Sinonasal Tumor and Skull Base Surgery Study Group**

Sang Duk Hong, *Seoul, Korea*

15:20-15:40 **Coffee Break**

15:40-17:10 **Symposium 20**

**How to Manage JNA?**

Chairs: Metin Önerci, *Turkey*  
Suetaka Nishiike, *Japan*

SY20-1

**Juvenile Nasopharyngeal angiofibroma. To embolize or not?**

Ing Ping Tang, *Kuching, Malaysia*

SY20-2

**Different approaches to JNA**

Alkis Psaltis, *Adelaide, Australia*

SY20-3

**How to manage JNA?**

Boonsam Roongpuvapaht, *Bangkok, Thailand*

SY20-4

**The experience of endoscopic resection of Non-embolized Juvenile Nasopharyngeal Angiofibroma at Preah Ang Duong Hospital**

Makara Chin, *Phnom Penh, Cambodia*

## Room 4 (Hana A)

8:30-8:50

### **Instruction Course 3**

Chair: Tatsunori Sakamoto, *Japan*

IC3

#### **Precision Molecular Diagnosis of Allergic Rhinitis for Personalized Management**

Pongsakorn Tantilipikorn, *Bangkok, Thailand*

9:00-10:30

### **Symposium 21**

#### **Local Allergic Rhinitis**

Chairs: Chang-Hoon Kim, *Korea*  
Kimihiko Okubo, *Japan*

SY21-1

#### **Local allergic rhinitis induced by unilateral intranasal instillation of ragweed pollen and by intraperitoneal injection of FTY720 in mice**

Hideaki Kouzaki, *Shiga, Japan*

SY21-2

#### **Local allergic Rhinitis in Japan and its important discussing points**

Shoji Matsune, *Kanagawa, Japan*

SY21-3

#### **Local Allergic Rhinitis-Update in Physiopathology**

Paloma Campo, *Malaga, Spain*

10:30-10:50

### **Coffee Break**

10:50-12:20

### **Symposium 22**

#### **Updated Pathogenesis of Allergic Rhinitis and Biologics**

Chairs: Anju T Peters, *USA*  
Mitsuhiro Okano, *Japan*

SY22-1

#### **Biologics for severe allergic rhinitis**

Philippe Gevaert, *Ghent, Belgium*

SY22-2

#### **Onset mechanism of allergic rhinitis and pathogenic Th2 cells**

Syuji Yonekura, *Chiba, Japan*

SY22-3

#### **Updated Pathogenesis of Allergic Rhinitis**

Tae Hoon Kim, *Seoul, Korea*

SY22-4

#### **A novel mechanism of fatty acid mediators and group 2 innate lymphoid cells in allergic rhinitis**

Ichiro Tojima, *Otsu, Japan*

12:40-13:30

### **Luncheon Seminar 6**

#### **Natural remedies for sinonasal infections and inflammation effectively provide quick relief of symptoms and optimization of long-term treatment**

Chairs: Robert C Kern, *USA*  
Valerie J Lund, *UK*

LS6-1

#### **Looking beyond the microbiome: probiotics for the sinuses impact the innate and adaptive immune systems and the epithelial barrier**

Martin Yvon Desrosiers, *Montreal, Canada*

LS6-2 **Impact of innate and adaptive immunity of the sinonasal cavity on the acute and chronic inflammation in sinonasal cavity, and regulatory role of natural product on it**  
Hideyuki Kawauchi, *Matsue, Japan*

LS6-3 **Natural remedies for sinonasal infections and inflammation effectively provide quick relief of symptoms and optimization of long-term treatment**  
Dilyana Vicheva, *Plovdiv, Bulgaria*

*Sponsored by Alpen Pharma Company*

13:30-13:50 **Coffee Break**

13:50-15:20 **Symposium 23**

### **Sinusitis-Pathophysiology Part 1**

Chairs: Luo Zhang, *China*  
Anju T Peters, *USA*

SY23-1 **Formation of nasal polyps: imbalance in coagulation and fibrinolysis system**  
Tetsuji Takabayashi, *Fukui, Japan*

SY23-2 **The role of autonomic dysfunction in chronic rhinosinusitis**  
Sheng-Dean Luo, *Kaohsiung, Taiwan*

SY23-3 **Role of structural cells in aggravation of type II inflammation in ECRS**  
Il-Ho Park, *Seoul, Korea*

SY23-4 **Heterogeneity in Aspirin Exacerbated Respiratory Disease**  
Whitney Stevens, *Chicago, USA*

15:20-15:40 **Coffee Break**

15:40-17:10 **Symposium 24**

### **Sinusitis-Pathophysiology Part 2**

Chairs: Wytske J Fokkens, *Netherlands*  
Manabu Nonaka, *Japan*

SY24-1 **New Insights into the Pathophysiology of Allergic fungal rhinosinusitis: Functional Analysis of Locally Infiltrating Lymphocytes**  
Kazuya Takeda, *Suita, Japan*

SY24-2 **Which type 2 biomarkers predict response to biologics in CRSwNP?**  
Wytske J Fokkens, *Amsterdam, Netherlands*

SY24-3 **Pathophysiology of Chronic Rhinosinusitis in Asia: Is there any difference between Western and Eastern countries?**  
SeHwan Hwang, *Seoul, Korea*

SY24-4 **Pathophysiology and Contemporary Management of AERD**  
Christopher J Chin, *Saint John, Canada*



## Room 5 (Takao)

8:30-9:00

### **Keynote Lecture 7**

Chair: Kenji Kondo, *Japan*

KY7

#### **Clinical aspects of plasticity in the olfactory systems**

Thomas Hummel, *Dresden, Germany*

9:00-10:30

### **Symposium 25**

#### **Diagnosis Tool for Olfactory Dysfunction**

Chairs: Joaquim Mullol, *Spain*  
Hideaki Shiga, *Japan*

SY25-1

#### **Development and Validation of the MultiScent 20 Digital Odour Identification Test Using Item Response Theory**

Marcio Nakanishi, *Brasilia, Brazil*

SY25-2

#### **Unveiling the Olfactory Nerve: Tractography as a Potential Diagnostic Tool**

Masayoshi Tei, *Tokyo, Japan*

SY25-3

#### **Neuroimaging Techniques to Probe Neuroplasticity of Olfactory Brain Network**

Yun-Ting Chao, *Taipei, Taiwan*

SY25-4

#### **Beyond the Type of Odorant: Efficacy of Random Olfactory Training**

Byung Guk Kim, *Seoul, Korea*

10:30-10:50

### **Coffee Break**

10:50-12:20

### **Symposium 26**

#### **Refractory Olfactory Dysfunction and Its Novel Treatment Strategies**

Chairs: Richard Costanzo, *USA*  
Masayoshi Kobayashi, *Japan*

SY26-1

#### **The development of an olfactory implant to restore the sense of smell**

Richard M. Costanzo, *Richmond Virginia, USA*

SY26-2

#### **The Use of High Volume Steroid Irrigations, Omega3, PRP, and the potential of Electrical Stimulation to treat Olfactory Loss**

Zara M. Patel, *Palo Alto, USA*

SY26-3

#### **The effect of Chinese Herbal Medicine on Traumatic Anosmia**

Kai-Li Liang, *Taichung, Taiwan*

SY26-4

#### **Dramatic improvement of sensorineural olfactory dysfunction due to combination of olfactory training and oral therapy including tokishakuyakusan**

Hiroyuki Morishita, *Tsu, Japan*

13:30-13:50

### **Coffee Break**

13:50-15:20 **Symposium 27**

**Clinical and Basic Knowledge for Treating Olfactory Dysfunction and Diseases in Olfactory Cleft**

Chairs: Eric Holbrook, *USA*  
Kenji Kondo, *Japan*

**SY27-1 Objective assessment of olfaction using rapid fluorescent vital imaging of olfactory epithelium**

Hironobu Nishijima, *Tokyo, Japan*

**SY27-2 Olfactory cleft diseases and olfactory function**

Philippe Rombaux, *Brussels, Belgium*

**SY27-3 Olfactory cleft disease and its treatment strategy**

Eri Mori, *Tokyo, Japan*

**SY27-4 Respiratory Epithelial Adenomatoid Hamartoma of the olfactory cleft**

Nguyen Duc Trung, *Nancy, France*

15:20-15:40 **Coffee Break**

15:40-16:10 **Oral 16**

**Fungal Infections**

Chairs: Wilma Anselmo Lima, *Brazil*  
Sang Duk Hong, *Korea*

**O-077 Features for isolated sphenoid sinus fungus ball development**

Olga Stancheva, *Saint Petersburg, Russia*

**O-078 Does Debridement of Intracranial Disease in Acute Invasive Fungal Sinusitis Improve Survival Outcomes?**

Alice E Huang, *Palo Alto, USA*

**O-079 A rare case of isolated "Onodiitis"**

Jacquelyn Yi Xin Teo, *Singapore, Singapore*

16:10-16:50 **Oral 17**

**AFRS (ECRS)**

Chairs: Eulalia Sakano, *Brazil*  
Mamoru Yoshikawa, *Japan*

**O-080 Diagnosis of allergic fungal rhinosinusitis and the levels of allergen components in local tissues**

Takechiyo Yamada, *Akita, Japan*

**O-081 Prolonged Itraconazole Therapy as Sole Treatment for Patients with Allergic Fungal Rhinosinusitis**

Hitesh Verma, *New Delhi, India*

**O-082 Potential presence of clinically undetectable fungi and co-occurrence with bacteria in eosinophilic chronic rhinosinusitis**

Naoto Adachi, *Fukui, Japan*

O-083 **Effect of intramaxillary zinc oxide on development *Aspergillus fumigatus* induced fungal sinusitis rabbit model**

Seung-Heon Shin, *Daegu, Korea*

16:50-17:20 **Oral 18**

### **Pediatric & Congenital Disease**

Chairs: Dilyana Vicheva, *Bulgaria*  
Motofumi Ohki, *Japan*

O-084 **Computed tomography features in diagnostics of bilateral choanal atresia – Sparrow tail Clinical study**

Karen Briyanov Dzhambazov, *Plovdiv, Bulgaria*

O-085 **Chronic rhinosinusitis in children with Cystic Fibrosis is seldom after initiation of CFTR-modulator treatment**

Magne Bech, *Copenhagen, Denmark*

O-086 **The usefulness of artificial nose in children measuring with acoustic rhinometry**

Motofumi Ohki, *Saitama, Japan*

## **Room 6 (Fuji)**

9:00-9:40 **Oral 19**

### **Epistaxis & HHT**

Chairs: Kornkiat Snidvongs, *Thailand*  
Isao Suzaki, *Japan*

O-087 **Epistaxis in a university Hospital, a 12-year case series**

Tanyathorn Teeranoraseth, *Chiang Mai, Thailand*

O-088 **Effectiveness of electrocoagulation of sphenopalatine artery for epistaxis cases**

Takaki Inui, *Takatsuki, Japan*

O-089 **Treatments of Epistaxis in Hereditary Hemorrhagic Telangiectasia: Systematic Review and Network Meta-Analysis**

Wirach Chitsuthipakorn, *Bangkok, Thailand*

O-090 **Withdrawn**

9:40-10:30 **Oral 20**

### **Rhinoplasty**

Chairs: Pietro Palma, *Italy*  
Yu Hosokawa, *Japan*

O-091 **Withdrawn**

O-092 **Modified Flaring Suture: Another effective method for successful nasal valve reconstruction**

Jinsoo Chang, *Seoul, Korea*

O-093 **Withdrawn**

O-094 **Analysis of the effectiveness of anterior septal reconstruction in Asians**

Tae-Hoon Lee, *Ulsan, Korea*

O-095 **Rhinoseptoplasty ultrasound refinement**

Ivan Yordanov Yordanov, *Sofia, Bulgaria*

10:30-11:30 **Oral 21**

**Turbinate & Septal Surgeries**

Chairs: Otavio Piltcher, *Brazil*  
Mikio Suzuki, *Japan*

O-096 **Long-term Effects of Turbinate Surgery on Allergic Rhinitis: A Systematic Review and Meta-analysis**

Sang Chul Park, *Seoul, Korea*

O-097 **A simple modified septoplasty technique to correct caudal septal deviation: triangular excision and submucosal rejoining technique**

Sang-Wook Kim, *Jinju, Korea*

O-098 **Application of an ultrasonic device developed for trans-canal endoscopic ear surgery in endoscopic nasal surgery**

Takayuki Nakagawa, *Kyoto, Japan*

O-099 **Investigating the Healing Effects of Basic Fibroblast Growth Factor with Collagen/Gelatin Fixture in Rabbit Nasal Septum Perforation**

Yuki Takizawa, *Tokyo, Japan*

O-100 **Long-Term Efficacy and Safety of Medpor Implantation in Empty Nose Syndrome: A 12-Year Follow-Up Case Report**

Pei-Tzu Hung, *Taoyuan, Taiwan*

O-101 **Empty nose syndrome- Experience from Taiwan**

Chia-Hsiang Fu, *Taoyuan, Taiwan*

11:30-12:30 **Oral 22**

**Salvage Surgery & Treatment**

Chairs: Carlos Pinheiro Neto, *USA*  
Kenya Kobayashi, *Japan*

O-102 **Hierarchical Clustering Analysis to Identify Radionecrosis Onset Time in Post-Radiation Nasopharyngeal Necrosis (PRNN) Patients**

Majid Awwadh Albeladi, *Seoul, Korea*

O-103 **Salvage Nasopharyngectomy with Induction Immunotherapy and Chemotherapy for Recurrent Nasopharyngeal Carcinoma: Our Initial Experience**

Stephanie Nga Sze Wong, *Hong Kong, Hong Kong*

O-104 **Endoscopic Salvage Surgery for Skull Base Osteoradionecrosis with Internal Carotid Artery Involvement: A Single-Center Experience**

Zhaohui Shi, *Guangzhou, China*

O-105 **Efficacy and feasibility of chemoradiotherapy using modified docetaxel, cis-diaminodichloroplatinum, and 5-fluorouracil for sinonasal squamous cell carcinoma**

Katsunori Katagiri, *Morioka, Japan*

O-106 **Sinonasal Malignancies with Orbit Invasion: SNU Experience**

Seung Cheol Han, *Sejong, Korea*

O-107 **Salvage skull base surgery for recurrence after endoscopic sinus surgery for sinonasal malignant tumor (with VIDEO)**

Kenya Kobayashi, *Tokyo, Japan*

13:30-13:50 **Coffee Break**

13:50-14:30 **Oral 23**

### **Preoperative Management**

Chairs: Stella Lee, *USA*

Ying-Piao Wang, *Taiwan*

O-108 **Assessing the Efficacy of Preoperative Procedural Patient Education as an Intervention to Mitigate Stress and Anxiety Among Otorhinolaryngology Surgery Patients: A Randomized Controlled Trial**

Ranny Assaf, *Greifswald, Germany*

O-109 **The effects of priming on rhinologic patient reported outcome measures: a randomized controlled trial**

David Gudis, *New York, USA*

O-110 **A comparison of Tranexamic acid in Sinus surgeries – a novel systematic review and meta-analysis**

Thomas Zheng Jie Teng, *Singapore*

O-111 **A pilot study of oral doxycycline after endoscopic sinus surgery for chronic rhinosinusitis**

Andrew J Wood, *Auckland, New Zealand*

14:30-15:10 **Oral 24**

### **Postoperative Management**

Chair: Suetaka Nishiike, *Japan*

O-112 **Efficacy of steroid impregnated nasal packing after endoscopic sinus surgery: A Systematic Review and updated Meta-analysis**

Yun Chen Chang, *Taoyuan, Taiwan*

O-113 **Factors Influencing Residual Plus Moist HS-W Calcium Alginate Packing Material after Endoscopic Sinus Surgery**

Kazuhiro Nomura, *Sendai, Japan*

O-114 **Comparison of the use of different volumes of Nasal Irrigation Solution in postoperative period of Nasal Endoscopic Surgery in patients with Chronic Rhinosinusitis with Nasal Polyps (CRS<sub>w</sub>NP)**

Fabiana Cardoso Pereira Valera, *Ribeirao Preto, Brazil*

O-115 **The effect of nasal douching by hypertonic 2.3% sea water with algae extracts on the concentration of epidermal growth factor, transforming growth factor- $\alpha$  and interleukin-8 in nasal secretions of patients with nasal polyposis following endoscopic surgical treatment**

Aleksandar Peric, *Belgrade, Serbia*

15:20-15:40 **Coffee Break**

### **Pre Surgical Management**

Chairs: Chih-Jaan Tai, *Taiwan*  
Kazuhiro Nomura, *Japan*

**SY28-1 Peroperative measures to improve surgical field and outcomes**

Kazuhiro Nomura, *Sendai, Japan*

**SY28-2 Pre-operative strategy and intra-operative correlations**

Miguel Tepedino, *Rio de Janeiro, Brazil*

**SY28-3 low-dose macrolides in chronic rhinosinusitis**

Kornkiat Snidvongs, *Bangkok, Thailand*

**SY28-4 Preoperative CT Evaluation for Preventing Anterior Skull Base Injury in Endoscopic Sinus Surgery**

Seiichiro Makihara, *Okayama, Japan*

## **Room 7 (Moon Light)**

### **Benign Sinonasal Tumors**

Chairs: Alexandre Felippu, *Brazil*  
Hidenori Yokoi, *Japan*

**O-116 Withdrawn**

**O-117 Endoscopic Treatment of Sinonasal Glomangiopericytoma: A case Report in Light of the Literature**

Yutaro Saito, *Miyagi, Japan*

**O-118 The giant ethmoid osteoma with orbital extension**

Elizaveta Bolozneva, *Saint-Petersburg, Russia*

**O-119 A case of frontal sinus paraffinoma**

Clarissa Wei Shuen Cheong, *Singapore, Singapore*

**O-120 Sinonasal Organizing Hematoma: Demographics, Diagnosis, and Treatment Outcomes of 112 patients**

Marn Joon Park, *Incheon, Korea*

### **Benign Nasal Tumor Diagnosis & Treatment**

Chairs: Norman Mendoza, *Philippines*  
Norihiro Yanagi, *Japan*

**O-121 Sinonasal inverted papilloma – the review**

Anna Olszewska-Staron, *Warsaw, Poland*

**O-122 Significance of Medial Maxillectomy in Treating and Monitoring Patients with Sinonasal Inverted Papilloma (IP)**

Vladimir Kljajic, *Novi Sad, Serbia*

O-123 **Key points of endoscopic endonasal resection of juvenile nasopharyngeal angiofibroma**  
Hua Zhang, *Changsha, China*

O-124 **Expression of EGFR ligand HB-EGF in Sinonasal Inverted Papilloma**  
Ryotaro Nakazawa, *Ishikawa, Japan*

10:30-10:50 **Coffee Break**

10:50-11:40 **Oral 27**

**CSF Repair**

Chairs: Soma Subramaniam, *Singapore*  
Tsuyoshi Okuni, *Japan*

O-125 **Increased Incidence of Aspiration Pneumonitis in Spontaneous Cerebrospinal Fluid Leaks**  
Ru Tang, *Shanghai, China*

O-126 **Applications of Vascularized Pericranial Flaps in Endoscopic Skull Base Surgeries**  
Weitian Zhang, *Shanghai, China*

O-127 **Comparisons of locations, management and outcomes between traumatic and non-traumatic cerebrospinal fluid leaks**  
Weitian Zhang, *Shanghai, China*

O-128 **Outcome of transnasal endoscopic repair of spontaneous anterior skull base CSF leak - a Hong Kong Tertiary Center Review**  
Aurora Ka Yue Tam, *Hong Kong, HKSAR*

O-129 **Pericranial flap for repair of anterior cranial fossa defects following sinonasal tumour resection**  
Balaram Ramagiri, *Brisbane, Australia*

11:40-12:30 **Oral 28**

**Skull Base Surgeries**

Chairs: Boonsam Roongpuvapaht, *Thailand*  
Teppei Takeda, *Japan*

O-130 **The nasal septal incision method in transsphenoidal approach**  
Yamato Oki, *Yokohama, Japan*

O-131 **Differences in disease progression between preoperative imaging stage and pathological stage in ONB**  
Masataka Sekiguchi, *Tokyo, Japan*

O-132 **A vascular nasal tumour- diagnostic and interventional challenges**  
Pei Yuan Fong, *Singapore, Singapore*

O-133 **Advantages and Caveats of Endoscopic to the Infratemporal fossa as Isolated and Combined Techniques**  
Kittichai Mongkolkul, *Bangkok, Thailand*

O-134 **A case of transnasal endoscopic approach for repairing trigeminal meningocele**  
Takashi Goto, *Miyazaki, Japan*

### **Orbital Surgery**

Chairs: P. K Purushothaman, *India*  
Yohei Maeda, *Japan*

- O-135 **Endoscopic orbital medial wall decompression is associated with a low rate of post-operative diplopia in thyroid associated orbitopathy TAO**  
J Anthony McGilligan, *Brighton, UK*
- O-136 **The clinical features of orbital blowout fracture: 444 cases in a tertiary hospital**  
Seung Hyuk Yang, *Cheongju, Korea*
- O-137 **Diagnosis and treatment of intracanal optic nerve cavernous hemangioma a case report**  
Wendong Liu, *Guangzhou, China*
- O-138 **Comprehensive 360-Degree Surgical Strategies for Naso-Orbital Tumors: Insights from a 139-Case Retrospective Study**  
Zhaohui Shi, *Guangzhou, China*
- O-139 **Prognostic factors for visual acuity in surgically treated rhinogenic optic neuropathy**  
Kei Kajihara, *Miyazaki, Japan*

### **Trans Oral Surgery & Nasopharyngeal Carcinoma**

Chairs: Ing Ping Tang, *Malaysia*  
Seiichiro Makihara, *Japan*

- O-140 **Comparative Analysis of Transoral Endoscopic Approaches to Skull Base Surgery: A Literature Review**  
Zhaohui Shi, *Guangzhou, China*
- O-141 **Endoscopic Endonasal Combined Transoral Medial Approach to the Nasopharynx, Parapharyngeal space Space and Jugular Foramen**  
Song Mao, *Shanghai, China*
- O-142 **Elevator veli palatini muscle: An anatomical guide to the upper parapharyngeal internal carotid artery**  
Jianfeng Liu, *Beijing, China*
- O-143 **Surgery-oriented comprehensive treatment and follow-up of advanced recurrent nasopharyngeal carcinoma**  
Weihong Jiang, *Changsha, China*
- O-144 **Worsening Rhinosinusitis as a Prognostic Factor for Patients with Nasopharyngeal Carcinoma: A Retrospective Study**  
Wei Chieh Lin, *Taichung, Taiwan*
- O-145 **Craniofacial Resection After Extracranial-Intracranial Bypass in Treating Locally Advanced Nasopharyngeal Cancer Recurrence – A Case Series**  
Chun To Poon, *Hong Kong, Hong Kong*



### **Current topics for HHT**

Chairs: Valerie J Lund, *UK*  
Takaki Miwa, *Japan*

**SY29-1 Surgical Management of Severe Epistaxis in HHT**

Valerie Lund, *London, UK*

**SY29-2 Cross-sectional Study on Quality of Life among HHT Patients in Japan: Insights into the Role of Otorhinolaryngology**

Masaki Hayama, *Nishinomiya, Hyogo*

**SY29-3 20 years experience in Plasma Argon Coagulation for HHT**

Hector De La Garza, *Mexico, Mexico*

**SY29-4 How to we take care of the HHT patients - a Swedish perspective**

Cecilia Ahlstrom Emanuelsson, *Lund, Sweden*

**SY29-5 Diagnosis of Osler's disease from epistaxis and subsequent systemic management**

Tetsuya Terada, *Takatsuki, Japan*

**Saturday, April 6th, 2024**

**Room 1 (Eminence)**

**8:50-10:05 Cadaver Dissection 4**

Moderators: Valerie J Lund, *UK*  
Peter Hwang, *USA*

**CD4-1 Trans Pterygoid Approach**

Operator: Prepageran Narayanan, *Kuala Lumpur, Malaysia*

**CD4-2 Draf with Carolyn's Window Approach**

Operator: Richard J Harvey, *Sydney, Australia*

*Sponsored by Stryker Japan*

**10:20-11:35 Cadaver Dissection 5**

Moderators: Chae-Seo Rhee, *Korea*  
Edward C. Kuan, *USA*

**CD5-1 Anterior Skull Base Resection**

Operator: Eric W. Wang, *Pennsylvania, USA*

**CD5-2 Sellar & Para Sellar Approach**

Operator: Ming-Ying Lan, *Taipei, Taiwan*

**CD5-3 Sellar & Para Sellar Approach**

Operator: Wei-Hsin Wang, *Taipei, Taiwan*

*Sponsored by Stryker Japan*

**11:50-12:20 Cadaver Dissection 6**

Moderator: Benjamin Saul Bleier, *USA*

**CD6-1 Orbital Surgery**

Operator: Boonsam Roongpuvapaht, *Bangkok, Thailand*

*Sponsored by Stryker Japan*

**12:30-13:20 Luncheon Seminar 7**

Chair: Nobuyoshi Otori, *Japan*

**LS7-1 Dissolvable Packing Materials in Endoscopic Sinus Surgery: Experience and Outcomes Using Novapak**

Todd T Kingdom, *Aurora, Colorado, USA*

**LS7-2 Radiological Planning for FESS surgery and how to use Image Guidance Systems to your advantage**

Alkis J Psaltis, *Adelaide, Australia*

*Sponsored by Medtronic Japan Inc.*

13:20-13:40 **Coffee Break**

13:40-17:00 **Live Surgery**

Moderators: Nobuyoshi Otori, *Japan*  
Tae-Bin Won, *Korea*

**Basic ESS following Lamella concept, Draf with SLAP FLAP, DALMA**

Operator: Kazuhiro Omura, *Tokyo, Japan*

*Sponsored by Medtronic Japan Inc. and Olympus Marketing, Inc.*

17:00-17:10 **Closing Ceremony**

Nobuyoshi Otori, *Tokyo, Japan*

**Room 2 (Ohgi)**

8:30-8:50 **Instruction Course 4**

Chair: Achal Gulati, *India*

IC4

**Sinonasal osteomas with orbital involvement**

Sergei Karpishchenko, *Saint-Petersburg, Russia*

9:00-10:30 **Symposium 30**

**How to Manage Sinonasal Malignant Tumor?**

Chairs: Ehab Y. Hanna, *USA*  
Toyoyuki Hanazawa, *Japan*

SY30-1

**Treatment strategies combining endonasal endoscopic surgery and heavy ion therapy for olfactory neuroblastoma**

Toyoyuki Hanazawa, *Chiba, Japan*

SY30-2

**Optimal Surgical Scope for Maxillary Sinus Malignant Tumors**

Myeong-Sang Yu, *Seoul, Korea*

SY30-3

**Multidisciplinary approach in locally-advanced sinonasal cancer**

Yoshitaka Honma, *Tokyo, Japan*

SY30-4

**Treatment of esthesioneuroblastoma: the Mayo Clinic experience of 60 years**

Carlos Pinheiro Neto, *Rochester, AZ, USA*

10:30-10:50 **Coffee Break**

10:50-12:20 **Symposium 31**

**Refractory Rhinosinusitis-East Asia Session**

Chair: Tetsuji Takabayashi, *Japan*

SY31-1

**How to control eosinophilic chronic rhinosinusitis; surgery and medication**

Yohei Maeda, *Osaka, Japan*

**SY31-2 Refractory CRS in China**  
Fenghong Chen, *Guangdong, China*

**SY31-3 Refractory rhinosinusitis – in adult and pediatric patients**  
Po-Hung Chang, *Taoyuan, Taiwan*

**SY31-4 Treatment Strategy of Refractory Chronic Rhinosinusitis with Nasal Polyps According to Endotypes**  
Kyu-Sup Cho, *Busan, Republic of Korea*

13:20-13:40 **Coffee Break**

13:40-15:10 **Round Table 1**

### **Skull Base Panel**

Chair/Panelist: Eugenia M. Vining, *USA*

Panelists: Eric W. Wang, *Pennsylvania, USA*

Zara M. Patel, *Palo Alto, USA*

Gurston Nyquist, *Philadelphia, USA*

Adam Kimple, *Chapel Hill, USA*

15:10-15:30 **Coffee Break**

15:30-17:00 **Symposium 32**

### **Microbiome**

Chairs: Richard George Douglas, *New Zealand*

Chae-Seo Rhee, *Korea*

**SY32-1 Observations of the microbiome in CRS**  
Richard George Douglas, *Auckland, New Zealand*

**SY32-2 Microbial Dysbiosis in Eosinophilic Chronic Rhinosinusitis: Insights into Bacterial and Fungal Involvement**  
Masanori Kidoguchi, *Fukui, Japan*

**SY32-3 Basic research on morphological changes in autologous mucosal tissues after the reconstruction of mucosal defect**  
Kosuke Tochigi, *Saitama, Japan*

**SY32-4 Exploring the microbial landscape of nasopharyngeal carcinoma: Microbiota dysbiosis and biomarker potential**  
Yen-Ting Lu, *Chiayi, Taiwan*

## **Room 3 (Nishiki)**

8:30-8:50 **Instruction Course 5**

Chair: Shigeharu Fujieda, *Japan*

**IC5 Immunology of airway allergy**  
Zheng Liu, *Wuhan, China*

9:00-10:30 **Symposium 33**

**Sinusitis-Fungus**

Chairs: Saad Alsaleh, *Saudi Arabia*  
Mamoru Yoshikawa, *Japan*

SY33-1 **Allergic Fungal Rhinosinusitis**  
Tsuguhisa Nakayama, *Tochigi, Japan*

SY33-2 **The Endotypes and Associated Clinical Features of Chronic Rhinosinusitis in the Taiwanese Population**  
Yi-Tsen Lin, *Taipei, Taiwan*

SY33-3 **Impact of early detection of acute invasive fungal rhinosinusitis (AIFRS) in immunocompromised patients**  
Fabiana C P Valera, *Ribeirao Preto, Brazil*

SY33-4 **Chronic Invasive Fungal Sinusitis**  
Sarah Khalife, *Hamilton, Canada*

10:30-10:50 **Coffee Break**

10:50-12:20 **Panel Discussion**

**Biologic Therapies**

Chair/Panelist: Elina Toskala, *USA*  
Panelists: Gurston Nyquist, *Philadelphia, USA*  
David Kennedy, *Pennsylvania, USA*  
Stella Lee, *Boston, USA*  
Claire Hopkins, *London, UK*

13:20-13:40 **Coffee Break**

13:40-15:10 **Symposium 34**

**Allergen Immunotherapy for Allergic Rhinitis**

Chairs: Stephen R. Durham, *UK*  
Minoru Gotoh, *Japan*

SY34-1 **Update on allergy diagnosis (ICAR-AR)**  
Elina Toskala, *Philadelphia, USA*

SY34-2 **How to implement SLIT in the daily practice at the ENT-department and by GP - initiation and follow up**  
Cecilia Ahlstrom Emanuelsson, *Lund, Sweden*

SY34-3 **Efficacy of Allergen-specific Immunotherapy (AIT) for Mono- and Poly-Allergen Sensitization**  
Dong-Young Kim, *Seoul, Republic of Korea*

SY34-4 **Current clinical and basic status of allergen immunotherapy for allergic rhinitis in Japan**  
Daiju Sakurai, *Yamanashi, Japan*

15:10-15:30 **Coffee Break**

15:30-17:00 **Symposium 35**

**Sinusitis-Non-type2**

Chairs: Peter Hellings, *Belgium*  
Takeshi Shimizu, *Japan*

**SY35-1 Non type 2 CRS: is it really a rare condition among brazilian patients?**

Otavio B Piltcher, *Porto Alegre, Brazil*

**SY35-2 Non Type-2 Chronic Rhinosinusitis**

David Conley, *Chicago, USA*

**SY35-3 Different Facets of Odontogenic Sinusitis**

Rodante Abantao Roldan, *Pasig, Philippines*

**SY35-4 Treatment of non-type 2 CRS and low-dose, long-term macrolide therapy in Japan**

Hideaki Kouzaki, *Shiga, Japan*

**Room 4 (Hana A)**

8:30-8:50 **Instruction Course 6**

Chair: Philippe Rombaux, *Belgium*

**IC6 Effective Use of Olfactory Tests in Japan**

Shu Kikuta, *Tokyo, Japan*

9:00-10:30 **Symposium 36**

**ESS for Severe Sinusitis**

Chairs: Jianbo Shi, *China*  
Takayuki Nakagawa, *Japan*

**SY36-1 An Evidence-Based Approach to Surgery for Severe Sinusitis**

Richard Orlandi, *Salt Lake City, Utah, USA*

**SY36-2 Difficult surgeries made easy - Augmented Reality for challenging ESS cases**

Masa Suzuki, *Sapporo, Japan*

**SY36-3 Advances in the Management of Severe CRS - Experience of Chinese Scholars**

Qintai Yang, *Guangzhou, China*

**SY36-4 Optimizing Outcomes and Minimizing Complications**

David A. Gudis, *New York, USA*

10:30-10:50 **Coffee Break**

10:50-12:20 **Symposium 37**

**Complication**

Chairs: Hector De La Garza, *Mexico*  
Kota Wada, *Japan*

**SY37-1 Optimizing the surgical field to reduce complications in sinus surgery**

Christopher J Chin, *Saint John, Canada*

**SY37-2 Management of Orbital Complications During Endoscopic Sinus Surgery**

Todd T Kingdom, *Aurora, Colorado USA*

**SY37-3 How to avoid and how I manage intraoperative CSF leaks**

Edwin Tamashiro, *Ribeirao Preto, Brazil*

**SY37-4 Reducing the incidence of postoperative synechia**

William C Yao, *Houston, USA*

**SY37-5 Symposium on Rhinologic Complications**

Soma Subramaniam, *Singapore, Singapore*

**12:30-13:20 Luncheon Seminar 8**

Chair: Asako Mikiya, *Japan*

**LS8 EGPA pathogenesis: The emerging role of eosinophils**

Shigeharu Ueki, *Akita, Japan*

*Sponsored by GlaxoSmithKline K.K.*

**13:20-13:40 Coffee Break**

**13:40-15:10 Symposium 38**

**Functional Septorhinoplasty**

Chairs: Chih-Wen Twu, *Taiwan*  
Asako Mikiya, *Japan*

**SY38-1 Functional fails in septorhinoplasty surgery**

Kachorn Seresirikachorn, *Bangkok, Thailand*

**SY38-2 Understanding Nasal Valve Compromise in Nasal Airway Obstruction: A New Classification System**

Ji Yun Choi, *Gwangju, Korea*

**SY38-3 Technical innovations of functional septorhinoplasty in our hospital**

Jiro Imura, *Chiba, Japan*

**SY38-4 Functional Septorhinoplasty**

Chih-Wen Twu, *Changhua, Taiwan*

**15:10-15:30 Coffee Break**

**15:30-17:00 Symposium 39**

**Aesthetic Septorhinoplasty**

Chairs: Emmanuel Prokopakis, *Greece*  
Dennis Lee, *Hong Kong*

**SY39-1 Structural Techniques in Mediterranean Rhinoplasty a study of 750 cases**

Adrian M Agius, *Msida, Malta*

**SY39-2 Columellar Strut Graft: How I prepare & use It !**

Alireza Mesbahi, *Shiraz, Iran*

**SY39-3 Endoscopic and exoscopic septorhinoplasty**

Satoru Kodama, *Beppu, Japan*

**SY39-4 Rejecting patients seeking rhinoplasty**

Emmanuel Prokopakis, *Heraklion, Crete, Greece*

**Room 5 (Takao)**

**9:00-10:30 Round Table 2**

**Controversies in management of chronic rhinosinusitis with nasal polyposis**

Chair/Panelist: Robert C. Kern, *USA*

Panelists: Brent A. Senior, *Chapel Hill, NC, USA*

Pate Batra, *Chicago, IL, USA*

Sarah K Wise, *Atlanta, USA*

Yvonne Chan, *Toronto, Canada*

**10:30-10:50 Coffee Break**

**10:50-12:20 Symposium 40**

**Definition and Control for Severe Allergic Rhinitis**

Chairs: Pongsakorn Tantilipikorn, *Thailand*

Takechiyo Yamada, *Japan*

**SY40-1 Role of Allergen Immunotherapy in Severe Allergic Rhinitis Treatment**

Jin-Young Min, *Seoul, Korea*

**SY40-2 International Consensus Statement on Allergy and Rhinology (ICAR): Allergic Rhinitis - What's New?**

Sarah K Wise, *Atlanta, USA*

**SY40-3 Application-based critical care for SAR-JCP: Linking the use of real-world data to preemptive medicine**

Masafumi Sakashita, *Fukui, Japan*

**SY40-4 Rhinitis control in a real-world setting**

Philippe Gevaert, *Ghent, Belgium*

**12:30-13:20 Luncheon Seminar 9**

Chair: Kenzo Tsuzuki, *Japan*

**LS9 Histology and Pathophysiology of Human Olfactory Disorders**

Eric Holbrook, *Boston, USA*

*Sponsored by The Jikei University*

**13:20-13:40 Coffee Break**



13:40-15:10 **Symposium 41**

**Pediatric Rhinology**

Chairs: Sergei Karpischenko, *Russia*  
Nobuo Ohta, *Japan*

SY41-1 **Pediatric Rhinosinusitis UPDATE**  
Dilyana Vicheva Vicheva, *Plovdiv, Bulgaria*

SY41-2 **Allergic Fungal Rhinosinusitis: Does Age Matter?**  
Yvonne Chan, *Tronto, Canada*

SY41-3 **Pediatric Allergic Rhinitis in Japan**  
Kayoko Kawashima, *Habikino, Japan*

15:10-15:30 **Coffee Break**

15:30-17:00 **Symposium 42**

**Current topics for PCD**

Chairs: Dong-Young Kim, *Korea*  
Noriko Morimoto, *Japan*

SY42-1 **Sinonasal Effects of Primary Ciliary Dyskinesia**  
Adam Kimple, *Chapel Hill, USA*

SY42-2 **Mucociliary transport in the airway**  
Hyun Jun Kim, *Suwon, Republic of Korea*

SY42-3 **Characteristic genetic spectrum of primary ciliary dyskinesia in Japanese patients**  
Yifei Xu, *Tsu, Japan*

SY42-4 **Management and treatment of rhinosinusitis associated with primary ciliary dyskinesia**  
Isao Suzaki, *Tokyo, Japan*

**Room 6 (Fuji)**

9:00-9:40 **Oral 31**

**Allergic Rhinitis Pathophysiology**

Chairs: De Yun Wang, *Singapore*  
Satoko Hamada, *Japan*

O-146 **Exploring the Mechanism of Guominjian in Treating Allergic Rhinitis Based on Network Pharmacology**  
Shanshan Zhang, *Beijing, China*

O-147 **Overview of the current status and advances in airborne entomophilous pollen sensitization**  
Guixian Liang, *Guangzhou, China*

O-148 **Bcl6-expressing Foxp3+ T cells Promote Production of Antigen-Specific IgE in Response to Airborne Ragweed Pollen Exposure**  
Koji Matsumoto, *Otsu, Japan*

O-149 **Investigation into the mechanisms of cold stimuli-induced neuroimmune responses in allergic rhinitis**

Changqing Zhao, *Taiyuan, China*

9:40-10:10 **Oral 32**

### **Non-Allergic Rhinitis**

Chairs: Dennis Lee, *Hong Kong*  
Masato Miwa, *Japan*

O-150 **Withdrawn**

O-151 **Clinical study on the rhinitis due to laryngopharyngeal reflux**

Kun Liang, *Xi'an, China*

O-152 **Clinical Characteristics of Local Allergic Rhinitis sensitized to House Dust Mites**

Jee Won Moon, *Seoul, Korea*

10:30-10:50 **Coffee Break**

10:50-11:30 **Oral 33**

### **Air Pollution & Allergic Rhinitis**

Chairs: Emmanuel Prokopakis, *Greece*  
Tomokazu Matsuoka, *Japan*

O-153 **Impact of air pollution and meteorological factors on incidence of allergic rhinitis: A low-latitude multi-city study in China**

Xin Luo, *Guangzhou, China*

O-154 **Study on the correlation between meteorological factors and outpatient visits for allergic rhinitis in Changchun**

Yang Jingpu, *Changchun, China*

O-155 **Causal relationship between chronic rhinitis and air pollution with instrumental variable approach**

Jinyoup Kim, *Goyang, Korea*

O-156 **Effect of Particular Matter 2.5 (PM2.5) on Acute Upper Respiratory Tract Infection**

Tanyathorn Teeranoraseth, *Chiang Mai, Thailand*

11:30-12:20 **Oral 34**

### **Allergic Rhinitis Treatment**

Chairs: Te-Huei Yeh, *Taiwan*  
Tetsuya Terada, *Japan*

O-157 **The effect of sublingual immunotherapy on the development of bronchial asthma in children with allergic rhinitis**

Takanari Kawabe, *Osaka, Japan*

O-158 **Efficacy of adjuvant sublingual immunotherapy after septomeatoplasty: A non-randomised controlled study**

Chien-Hao Huang, *Taichung, Taiwan*

O-159 **Vidian Neurectomy for Allergic Rhinitis: A Systematic Review of Efficacy and Future Directions**  
Zhaohui Shi, *Guangzhou, China*

O-160 **Withdrawn**

O-161 **Withdrawn**

13:20-13:40 **Coffee Break**

13:40-14:40 **Oral 35**

### **Olfactory & Gustatory Function**

Chairs: Supinda Chusakul, *Thailand*  
Shu Kikuta, *Japan*

O-162 **Usefulness of the self-administered odor questionnaire for patients with olfactory dysfunction**

Tomoki Hirose, *Hyogo, Japan*

O-163 **Development of a new olfactory test for clinical practice: Santa Casa de São Paulo Olfactory Test (SCOT)**

Marcel Menon Miyake, *Sao Paulo, Brazil*

O-164 **A new method for assessment of retronasal olfactory identification function**

Yoshihiro Haruna, *Tokyo, Japan*

O-165 **Comparison of nasal pH between healthy control and olfactory dysfunction patients**

Rumi Sekine, *Tokyo, Japan*

O-166 **Olfactory bulb changes following endoscopic sinus surgery in patients with eosinophilic sinusitis on MRI examination**

Keisuke Yamamoto, *Sapporo, Japan*

O-167 **Development and Validation of a Novel Gustatory Stimulator for Gustatory Event-Related Potentials in Humans**

Xiaolin Zhou, *Beijing, China*

15:10-15:30 **Coffee Break**

15:30-16:10 **Oral 36**

### **Olfactory & Gustatory Dysfunction Insights**

Chairs: Zara Patel, *USA*  
Hitoshi Akazawa, *Japan*

O-168 **Relationship between the severity of olfactory dysfunction and serum zinc levels**

Hiroataka Tanaka, *Chiba, Japan*

O-169 **Olfactory loss associated with SARS-CoV-2 and other respiratory viruses: A multicenter prospective cohort**

Marcel Menon Miyake, *Ribeirao Preto, Brazil*

O-170 **High Sulfur and nitrogen foods are the main triggers of parosmia**

Marcel Menon Miyake, *Sao Paulo, Brazil*

O-171 **Withdrawn**

## Olfactory Dysfunction & Recovery

Chairs: Yun-Ting Chao, *Taiwan*  
Jun Suzuki, *Japan*

- O-172 **Prevalence of decreased olfactory function in adults: Brazilian population sample**  
Wilker Antunes Lira, *Marilia, Brazil*
- O-173 **Recovery of smell and taste after COVID-19 infection in patients classified according to WHO guidelines**  
Thiago Luis Infanger Serrano, *Campinas, Brazil*
- O-174 **An Evaluation of the Efficacy of Olfactory Training: A Comparative Analysis Based on Odorant Type and Individual Preferences**  
Do-Yang Park, *Suwon, Korea*
- O-175 **Isolated olfactory training for the treatment of smell loss after COVID-19**  
Thiago Luis Infanger Serrano, *Campinas, Brazil*

## Room 7 (Moon Light)

## Basic Research of CRS

Chair: Masafumi Sakashita, *Japan*

- O-176 **Thymic Stromal Lymphopoietin (TSLP) serves as a non-invasive Type 2 inflammation biomarker and indicator for the use of biologics targeting TSLP**  
Jiani Chen, *Shanghai, China*
- O-177 **Elevated MIF identified by multiple cytokine analyses facilitates macrophage M2 polarization contributing to postoperative recurrence in chronic rhinosinusitis with nasal polyps**  
Shaobing Xie, *Changsha, China*
- O-178 **Withdrawn**
- O-179 **The Role of YAP in CRSwNP Pathogenesis and Its Clinical Significance**  
Ji-Hun Mo, *Cheonan, Korea*
- O-180 **Characteristics and regulation of human eosinophil ETosis**  
Hiroki Tomizawa, *Akita, Japan*
- O-181 **Supersulfide formation in the sinus mucosa of chronic rhinosinusitis**  
Jun Suzuki, *Sendai, Japan*
- O-182 **Aberrant TFR cells associate with immunoglobulin hyperproduction in nasal polyps with ectopic lymphoid tissues**  
Yin Yao, *Wuhan, China*
- O-183 **IL-15 and RUNX3 synergistically induce the differentiation of CXCR6<sup>+</sup> peripheral helper T cells in nasal polyps**  
Ruoyu Lu, *Wuhan, China*

10:30-10:50 **Coffee Break**

10:50-11:30 **Oral 39**

### **Mechanism of CRS**

Chairs: Dae Woo Kim, *Korea*  
Yoshimasa Imoto, *Japan*

- O-184 **Increased BAFF expression by neutrophils in non-eosinophilic chronic rhinosinusitis with nasal polyps through G-CSF stimulation**  
Qianqian Zhang, *Shanghai, China*
- O-185 **Single Cell RNA Sequencing Analysis of Olfactory Mucosa in Chronic Rhinosinusitis with Nasal Polyps**  
Junqin Bai, *Chicago, US*
- O-186 **The role of TG2 in the formation of nasal polyps in patients with chronic sinusitis and nasal polyps**  
Yu Ting Li, *Taichung, Taiwan*
- O-187 **Decreased production of tissue plasminogen activator in endothelial cells from nasal polyps**  
Qianqian Zhang, *Shanghai, China*

11:30-12:00 **Oral 40**

### **Endotypes in CRS**

Chairs: Hyung-Ju Cho, *Korea*  
Shun Kikuchi, *Japan*

- O-188 **Changing endotypes in chronic rhinosinusitis without nasal polyps**  
Sarina K Mueller, *Erlangen, Germany*
- O-189 **Microvessels quantification by fully convolutional neural networks and its association analysis with endotyping in chronic rhinosinusitis**  
Wendong Liu, *GuangZhou, China*
- O-190 **Withdrawn**

13:20-13:40 **Coffee Break**

13:40-14:50 **Oral 41**

### **Lymphoma & Rare Tumors**

Chairs: Pongsakorn Tantilipikorn, *Thailand*  
Shuho Tanaka, *Japan*

- O-191 **Sinonasal Tract Alveolar Rhabdomyosarcoma (ARMS) in adult: a case report**  
Xiaolin Zhou, *Beijing, China*
- O-192 **Sinonasal malignancy misdiagnosed and treated with biologics**  
Philip Chen, *San Antonio, USA*
- O-193 **Immunoglobulin D-Lambda Multiple Myeloma Initially Presenting in the Sphenoid Sinus, Orbital Apex, and Skull Base: A Case Report and Scoping Review**  
Yihan Chen, *Beijing, China*

O-194 **Unusual case of eyelid lymphoma mimicking as frontal mucocele with orbital complications**  
Yue Yu, *Singapore, Singapore*

O-195 **Maxillofacial Mass as a Extramedullary Manifestation of Acute Leukemia among Children**  
Margarita Kalinina, *Moscow, Russia*

O-196 **p16 overexpression in sinonasal squamous cell carcinoma**  
Hiroyuki Gunji, *Okinawa, Japan*

O-197 **Adjuvant topical 5-fluorouracil versus adjuvant radiotherapy in patients with macroscopically resected sinonasal intestinal type adenocarcinoma**  
Tjeerd de Jong, *Rotterdam, Netherlands*

## 15:10-15:30 **Coffee Break**

## 15:30-16:10 **Oral 42**

### **Miscellaneous Treatment**

Chairs: Tomislav Baudoin, *Croatia*  
Yuki Takizawa, *Japan*

O-198 **The surgical treatment of nasal synechiae**  
Olga Vereshchagina, *Saint-Petersburg, Russia*

O-199 **Paresthesia after augmented approach to the Maxillary sinus (Prelacrimal approach)**  
Hyun Jung Kim, *Seoul, Korea*

O-200 **Research Progress on Traditional Chinese Medicine Nasal Irrigation after Functional Endoscopic Sinus Surgery**  
Ruoqi Zhang, *Beijing, China*

O-201 **Comparison of immune response induced by intranasal administration with Pneumococcal Polysaccharide or Pneumococcal conjugate vaccine**  
Yumi Miyamoto, *Kagoshima, Japan*

## 16:10-16:50 **Oral 43**

### **Cranio-maxillofacial Reconstruction**

Chairs: William Yao, *USA*  
Kosuke Takabayashi, *Japan*

O-202 **Personalized Digital Technologies for Late Zygomatic-Orbital Reconstruction: A Novel Case Report with Superior Outcome**  
Zhaohui Shi, *Guangzhou, China*

O-203 **Repairment for Defect after Transoral Endoscopic Resection of Maxilla with Temporal Muscle Flap**  
Li Cheng Xu, *Naning, China*

O-204 **Medial Blowout Fractures and Management**  
Zeynep Onerci, *Ankara, Turkey*

O-205 **Advancing Naso-Orbit-Maxillary Reconstruction: A 7-Year Review of 3D Printing and Titanium Mesh Techniques at a Single Center**  
Zhaohui Shi, *Guangzhou, China*

Poster (Subaru, Comet, Star Light)

- P01 **Involvement of activation of mast cells via IgE signaling in the pathogenesis of pollen food allergy syndrome in a murine model of birch pollen-sensitized allergic rhinitis**  
Yukinori Kato, *Fukui, Japan*
- P02 **Epidemiological Surveys of Allergic Rhinitis in Infants and Young Children**  
Kanakano Yoshida, *Fukui, Japan*
- P03 **Suppression of ANO1 attenuates goblet cell hyperplasia and allergic inflammation in airway epithelium**  
Juhee Seo, *Seoul, Korea*
- P04 **Punicalagin alleviates protease-activated receptor 2-mediated allergic respiratory diseases**  
Miran Kang, *Seoul, Korea*
- P05 **Allergic Rhinitis Diagnosis through AI-driven Image Analysis of Color and Brightness Representations**  
Young Joon Jun, *Uijeongbu-si, Korea*
- P06 **Foxp3 introduced with poly (D, L-lactic-co-glycolic acid) (PLGA) nanoparticles (Foxp3 NPs) attenuates allergic inflammation in mice with allergic rhinitis**  
Sookyoung Park, *Daejeon, Korea*
- P07 **The association between the human microbiome in the nasal cavity and the number of sensitization in allergic rhinitis**  
Keisuke Koyama, *Fukui, Japan*
- P08 **Lipid Droplet Profiling in Allergic Asthma: Insights from 3D Holotomographic Analysis of Immune Cells**  
Seok Jin Hong, *Seoul, Korea*
- P09 **Effects of dietary fiber intake and gut microbiota on IgE production**  
Ayami Nomura, *Aomori, Japan*
- P10 **Effect of air pollutants on allergic inflammation in structural cells of nasal mucosa**  
Jee Won Moon, *Seoul, Korea*
- P11 **Research on the correlation between the Five Elements and Six Qi and the onset of seasonal allergic rhinitis**  
Mengfan Liu, *Beijing, China*
- P12 **Assessing Nasal Responsiveness in Allergic Rhinitis Through Acoustic Rhinometry**  
Dilyana Vicheva, *Plovdiv, Bulgaria*
- P13 **Long-lasting effects of sublingual immunotherapy with Japanese cedar pollen**  
Satoko Hamada, *Osaka, Japan*
- P14 **Huge Nasopalatine Duct Cyst Treated by Transnasal Endoscopic Marsupialization: A Case Report and Literature Review**  
Jae Man Park, *Seoul, Korea*
- P15 **Examination of antrochonal polyps removed using endoscopic modified medial maxillectomy**  
Kotaro Kano, *Shizuoka, Japan*

- P16 **Inverted Papilloma - Case Report**  
Mirjana Stracenski Perge, *Sremska Mitrovica, Serbia*
- P17 **Cholesterol granulomas in the paranasal sinuses: case report and systemic review**  
Young Ho Kim, *Seoul, Korea*
- P18 **A case of an inverted papilloma overlapping odontogenic maxillary sinusitis that required attention on diagnosis**  
Eisuke Ishigami, *Yokkaichi, Japan*
- P19 **Inflammatory Myofibroblastic Tumor – A Recurrent Case with Diagnostic Challenges**  
Saara Sillanpaa, *Tampere, Finland*
- P20 **Management of sphenoid sinus inverted papilloma**  
Tetsuya Monden, *Tokyo, Japan*
- P21 **Large osteoma of frontal sinus**  
Anna Olszewska-Staron, *Warsaw, Poland*
- P22 **Inverted papilloma in patient with type 2 CRS case report**  
Anna Olszewska-Staron, *Warsaw, Poland*
- P23 **Nasal Vestibule Epithelioid Hemangioma – A Diagnostic Challenge**  
Elaine Huang, *Singapore, Singapore*
- P24 **Clinical Manifestations and Surgical Treatment Outcomes of Paranasal Sinus Osteoma**  
Ara Cho, *Seoul, Korea*
- P25 **Nasal Hemangioma: Clinical experience and literature review**  
Shogo Sumiya, *Nagoya, Japan*
- P26 **A case of inverted papilloma with a lateral base in the nasal cavity resected using the lateral swing approach of the inferior nasal turbinate**  
Takeshi Kawasaki, *Tokyo, Japan*
- P27 **Effect of anterior maxillary wall shape on ease of prelacrimal recess approach among Asians and Westerners**  
Hyung-Bon Koo, *Iksan, Korea*
- P28 **Detecting serum galactomannan to diagnose acute invasive Aspergillus sinusitis: a meta-analysis**  
Gwangcheol Shin, *Goyang-si, Korea*
- P29 **Impaired local VD3 metabolism contributes to IL-36  $\gamma$  overproduction in epithelial cells in chronic rhinosinusitis with nasal polyps**  
Qiao Xiao, *Wuhan, China*
- P30 **Post-operative endoscopic score for optimal treatment selection in recurrent eosinophilic chronic rhinosinusitis**  
Takahiro Saito, *Hyogo, Japan*
- P31 **Dupilumab Improves Eosinophilic Otitis Media in Patients with Chronic Rhinosinusitis with Nasal Polyps**  
Maija Salminen, *Tampere, Finland*
- P32 **A case of allergic fungal sinusitis like syndrome**  
Woo Yong Bae, *Busan, Korea*



- P33 **Characteristics of Patients from Japan Enrolling in the AROMA Chronic Rhinosinusitis with Nasal Polyps Global Registry**  
Yoshinori Matsuwaki, *Tokyo, Japan*
- P34 **Long-term impact of Dupilumab on the sense of smell and quality of life of patients with CRSwNP – real world analysis**  
Fabiana C Valera, *Ribeirao Preto, Brazil*
- P35 **Association between diabetes mellitus and chronic rhinosinusitis with nasal polyps: A population-based cross-sectional study**  
Yoo-Suk Kim, *Seoul, Korea*
- P36 **Influence of bacterial biomarkers for revisional sinus surgery in patients with chronic rhinosinusitis**  
Edwin Tamashiro, *Ribeirao Preto, Brazil*
- P37 **Microbiome profile is unstable in CRSwNP patients undergoing surgery**  
Edwin Tamashiro, *Ribeirao Preto, Brazil*
- P38 **Characteristics of CRSwNP in Patients with Asthma–COPD Overlap**  
Masayoshi Mukai, *Tokyo, Japan*
- P39 **The two faces of periostin in eosinophilic chronic rhinosinusitis**  
Soo-In Kim, *Seoul, Korea*
- P40 **Role of specific IgE on staphylococcal enterotoxin B in chronic rhinosinusitis severity**  
Jung Hyun Chang, *Ilsan, Korea*
- P41 **The function of matrix metalloproteinase -9 (MMP-9) in eosinophilic chronic rhinosinusitis**  
Soichiro Fujii, *Osaka, Japan*
- P42 **Central Compartment Atopic Disease and Its Surgical Outcomes: Olfactory Changes and Technical Note**  
Sheng-Kai Huang, *Taichung, Taiwan*
- P43 **A Retrospective Study of Endoscopic Sinusitis Surgery in Patients with Previous Surgery**  
Yohei Maeda, *Osaka, Japan*
- P44 **Sinus surgery conducted under local anesthesia**  
Keigo Nakagami, *Saitama, Japan*
- P45 **Therapeutic Effects of Endoscopic Sinus Surgery in Eosinophilic Sinusitis Patients with Severe Headache**  
Tessei Kuruma, *Aichi, Japan*
- P46 **A preoperative imaging evaluation to avoid orbital complications in functional endoscopic sinus surgery**  
Tomotaka Hemmi, *Sendai, Japan*
- P47 **Laser-Assisted Dacryocystorhinostomy**  
Valentin Kostov Stoyanov, *Stara Zagora, Bulgaria*
- P48 **Indication Field for Application of FESS in Children**  
Vesna Slobodan Stojanovic, *Belgrade, Serbia*
- P49 **Anatomic variations of the sinuses in children with chronic sinusitis**  
Anna Kasprzyk, *Warsaw, Poland*
- P50 **Endoscopic dacryocystorhinostomy in children**  
Hristo K. Zlatanov, *Sofia, Bulgaria*

- P51 **Risk factors for isolated sphenoid sinusitis after endoscopic endonasal transsphenoidal pituitary surgery**  
Yu Ning Tsao, *Taoyuan, Taiwan*
- P52 **IgG4-related CRS may be a new CRS phenotype**  
Tomohito Nojima, *Tokyo, Japan*
- P53 **Monitoring surgical treatment efficacy in sphenoiditis cases**  
Irina Arustamyan, *St. Petersburg, Russia*
- P54 **An unusual cause of unilateral visual impairment - Nasopharyngeal Carcinoma**  
Bei Jun Yap, *Singapore, Singapore*
- P55 **A case of suspected bilateral heterochronic fungal rhinosinusitis, possibly involving *Schizophyllum commune***  
Takayoshi Ueno, *Kanazawa, Japan*
- P56 **Transformation of a maxillary paranasal sinus fungal ball into a mass-like form of infraorbital invasive fungal sinusitis**  
Kaijun Tay, *Singapore, Singapore*
- P57 **Comparative Analysis of Open and Closed Approach of Septorhinoplasty in Teenagers**  
Ivan Stevan Baljosevic, *Belgrade, Serbia*
- P58 **Functional rhinoplasty for patients with autoimmune disease**  
Yi-Ling Hsieh, *Taichung, Taiwan*
- P59 **Radiological assessment of correcting caudal septum deviation in endoscopic septoplasty**  
Tsuyoshi Okuni, *Sapporo, Japan*
- P60 **A Case Report of Advanced Recurrent Nasopharyngeal Carcinoma**  
Tengchin Wang, *Tainan, Taiwan*
- P61 **The efficacy of artificial intelligence models in the detection of nasopharyngeal carcinoma: A Systematic Review**  
Joy Xin Yi Au, *Singapore, Singapore*
- P62 **Risk factors for unplanned ER visit in patients with Nasopharyngeal carcinoma during Radiotherapy treatment**  
Wei-Shan Chen, *Kaohsiung, Taiwan*
- P63 **Nasal Mucosal Melanoma: Case Report and Literature Review**  
Adrienne Nicole S. Militante, *Quezon City, Philippines*
- P64 **Osteoradionecrosis of the Skull Base in Nasopharyngeal Carcinoma: case report and literature review**  
Yu-Ting Lai, *Taipei, Taiwan*
- P65 **Differential Imaging Diagnosis of Inverted Papilloma and Squamous Cell Carcinoma Arising from Inverted Papilloma without Bone Destruction on Computed Tomography**  
Hyeon-su Kim, *Busan, Republic of Korea*
- P66 **Pneumocephalus Resulting from Inverted Papilloma in the Frontoethmoidal Sinus: Case Report and Literature Review**  
Seiichiro Makihara, *Okayama, Japan*
- P67 **The bi-nasal nasal septal approach in endoscopic endonasal skull base surgery**  
Naoya Nishida, *Niihama, Japan*

- P68 **The Role of Surgery in the Treatment of Nasopharyngeal Carcinoma**  
Tianyang Li, *Beijing, China*
- P69 **A case of meningocele developed in the lateral fossa of the sphenoid sinus**  
Shingo Umemoto, *Yufu, Japan*
- P70 **Is Toki-Shyakuyaku-San effective against olfactory epithelial degeneration in a post-menopausal mouse model?**  
Hideaki Shiga, *Ishikawa, Japan*
- P71 **Olfaction of congenitally hearing-impaired children with cochlear implantation**  
Tadashi Ishimaru, *Kanazawa, Japan*
- P72 **The role of Prok2 gene in olfactory development: from the projection of olfactory axons toward the brain to the formation of olfactory structure**  
Bo-Ra Kim, *Seoul, Korea*
- P73 **Cell culture conditions to stimulate adipose tissue derived stem cells for paracrine effects on olfactory regeneration**  
Riho Minato, *Ishikawa, Japan*
- P74 **Real-World Evidence on the Risk of Olfactory Dysfunction for Developing Dementia**  
Jae Hoon Cho, *Seoul, Korea*
- P75 **Olfactory dysfunction in COVID-19 infection caused by damage of non-neuronal cells**  
Jinsun Kim, *Seoul, Korea*
- P76 **A comparative evaluation of flavor loss and smell and taste disorders**  
Katsuya Fushimi, *Nishinomiya, Japan*
- P77 **Computed Tomography Assessment of the Olfactory Cleft in Patients with Persistent COVID-19-Related Olfactory Dysfunction**  
Juan Liao, *Beijing, China*
- P78 **Withdrawn**
- P79 **Adherence to positive airway pressure in children with sleep apnea appears to be similar to that in adults**  
Dahee Park, *Yangsan, Korea*
- P80 **Allergic rhinitis may attenuate the cardiovascular morbidity in patients with severe obstructive sleep apnea: a heart rate variability analysis**  
Woohyun Lee, *Chuncheon, Korea*
- P81 **Obstructive sleep apnea and its association with immunity against varicella zoster virus**  
Min Young Seo, *Seoul, Korea*
- P82 **Comparison of the Effect of Dietary Restriction and Free Diet on Postoperative Bleeding After Tonsillectomy**  
Sung Jae Heo, *Daegu, Korea*
- P83 **Implementation of 3D Head-Mounted Display in Endoscopic Sinus Surgery**  
Suetaka Nishiike, *Sakai, Japan*
- P84 **Prevention of nasal entrance laceration in endonasal drilling procedures: Use of protective lubricated ear speculum**  
Patrick Dubach, *Bern, Switzerland*

- P85 **Clinical Utility of Electronic Patient-Reported Outcomes (ePRO) in Chronic Sinusitis Management**  
Ken Hiramatsu, *Matsumoto, Japan*
- P86 **A novel method to assess resonance function of the frontal sinus**  
Yi-Ho Young, *Taipei, Taiwan*
- P87 **Deep Learning-Based Automated Segmentation of the Frontal Sinus from Computed Tomography Images**  
Cherrie Chong, *Singapore, Singapore*
- P88 **Experience with the “Nostril Protector”, developed to prevent MDRPU in Endoscopic Sinus Surgery**  
Kunihide Aoishi, *Ehime, Japan*
- P89 **Radiological Analysis for Primary Endoscopic Nasopharyngectomy in EBV DNA Screening Detected Early Nasopharyngeal Carcinoma**  
Calvin Chee Fung Lai, *Hong Kong, China*
- P90 **Spontaneous lymphocyte kinetics induced by mucosal adjuvants and intranasal administration of outer membrane protein from *Haemophilus influenzae***  
Kazuhiro Yoshinaga, *Oita, Japan*
- P91 **Intraorbital Foreign Body (Marble)**  
Dionila Rose A Dumanon, *Iloilo City, Philippines*



植物由来の多彩な香気成分を濃縮した精油と嗅覚・認知機能等に関する研究を支援

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#### 【4. 効能又は効果】

難治性の慢性咳嗽

#### 【5. 効能又は効果に関連する注意】

最新のガイドライン等を参考に、慢性咳嗽の原因となる病歴、職業、環境要因、臨床検査結果等を含めた包括的な診断に基づく十分な治療を行っても咳嗽が継続する場合には使用を考慮すること。

#### 【6. 用法及び用量】

通常、成人にはゲーファピキサントとして1回45mgを1日2回経口投与する。

#### 【7. 用法及び用量に関連する注意】

重度腎機能障害（eGFR 30mL/min/1.73m<sup>2</sup>未満）で透析を必要としない患者には、本剤45mgを1日1回投与すること。【9.2、9.2.1、9.8、16.6.1参照】

#### 【8. 重要な基本的注意】

本剤による咳嗽の治療は原因療法ではなく対症療法であることから、漫然と投与しないこと。

#### 【9. 特定の背景を有する患者に関する注意】

##### 9.1 合併症・既往歴等のある患者

##### 9.1.1 スルホンアミド系薬剤に過敏症の既往歴のある患者

交叉過敏症があらわれる可能性がある。本剤の有効成分であるゲーファピキサントは、スルホンアミド基を有する。

##### 9.2 腎機能障害患者

腎機能検査を定期的実施することが望ましい。なお、味覚異常は曝露量依存的に増加する傾向が認められている。【7.、9.8、15.1.1、15.2参照】

##### 9.2.1 重度腎機能障害（eGFR 30mL/min/1.73m<sup>2</sup>未満）で透析を必要としない患者

ゲーファピキサントの曝露量の上昇が認められた。【7.、9.8、16.6.1参照】

##### 9.2.2 透析を必要とする末期腎不全患者

推奨される用法及び用量の調節を設定するための十分なデータは得られていない。【13.1参照】

##### 9.5 妊婦

治療上の有益性が危険性を上回ると判断される場合にのみ投与すること。ラット及びウサギにおいて胎盤移行が認められた。臨床用量（1回45mgを1日2回投与）の約1.2倍（ラット）の曝露量では、胎児体重の軽度の減少が認められた。

##### 9.6 授乳婦

治療上の有益性及び母乳栄養の有益性を考慮し、授乳の継続又は中止を検討すること。ラットで乳汁中への移行が報告されている。

#### 9.7 小児等

18歳未満の患者を対象とした臨床試験は実施していない。

#### 9.8 高齢者

腎機能に注意し、必要に応じて用法及び用量を調節すること。本剤は腎排泄型の薬剤である。一般に腎機能が低下していることが多いので、本剤による副作用のリスクが増加するおそれがある。【7.、9.2、9.2.1、16.6.1参照】

#### 【11. 副作用】

次の副作用があらわれることがあるので、観察を十分に行い、異常が認められた場合には投与を中止するなど適切な処置を行うこと。

##### 11.2 その他の副作用

	5%以上	5%未満
胃腸障害	悪心、口内乾燥	下痢、上腹部痛、消化不良、口の感覚鈍麻、流涎過多、口の錯感覚
感染症及び寄生虫症		上気道感染
代謝及び栄養障害		食欲減退
神経系障害	味覚不全(40.4%) <sup>†</sup> 、 味覚消失 <sup>†</sup> 、味覚減退 <sup>†</sup> 、 味覚障害 <sup>†</sup>	浮動性めまい
呼吸器、 胸部及び縦隔障害		咳嗽、口咽頭痛

<sup>†</sup>味覚不全は、主に苦味、金属味及び/又は塩味としても報告された。味覚関連の副作用（味覚不全、味覚消失、味覚減退、味覚障害）の発現割合は63.1%であった。大多数は、ゲーファピキサントの投与開始後9日以内に発現し、軽度又は中等度であり、ゲーファピキサントの投与中又は投与中止により改善した。なお、味覚関連の副作用は曝露量依存的に増加する傾向が認められている。

#### 【21. 承認条件】

医薬品リスク管理計画を策定の上、適切に実施すること。

●その他詳細につきましては電子添文をご参照ください。

電子添文の改訂に十分ご留意ください。

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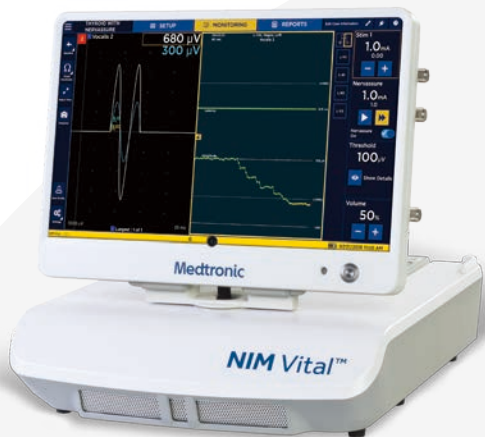
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