# Première Night Symposium on Defense System and Pathology of Respiratory Tract Inflammation

Sponsored by
The Shimane Division of Otorhinolaryngological Society of Japan, Inc.
Pacific Rim & Asian Mucin Research Symposium (PRAMS)
Department of Otorhinolaryngology, Shimane University, Faculty of Medicine

Venue: Ichibata Hotel

October 3rd, Thursday, 2013

<table>
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<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>16:00–</td>
<td>Registration open at Ichibata Hotel</td>
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<tr>
<td>18:00–18:10</td>
<td>Brief opening remark for premiere night symposium</td>
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<td>Hideyuki Kawauchi, Professor and chairman Department of ORL, Shimane University, Faculty of Medicine</td>
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<td>18:10–18:50</td>
<td>Invited lecture (1)</td>
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<td>Moderator: Kwang Chul Kim</td>
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<td></td>
<td>Mucus Secretion, Chronic Inflammation, and Lung Cancer Metastasis: What do they have any common? part I</td>
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<td>Kenneth Adler, Professor of Cell Biology, Department of Molecular Biomedical Sciences, North Carolina State University, Raleigh, NC, USA</td>
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<td>18:50–19:30</td>
<td>Invited lecture (2)</td>
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<td>Moderator: Ranko Mladina</td>
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<td></td>
<td>Mucus Secretion, Chronic Inflammation, and Lung Cancer Metastasis: What do they have any common? part II</td>
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<td>Reen Wu, Professor, Internal medicine and VM anatomy, Physiology and Cell Biology, Center for Comparative Respiratory Biology and Medicine, Genome and Biomedical Science facility, University of California at Davis, Davis, CA, USA</td>
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<td>19:30–19:40</td>
<td>Closing Remarks</td>
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<td>Hideyuki Kawauchi</td>
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<tr>
<td>19:40–22:00</td>
<td>Welcome Reception at Ichibata Hotel</td>
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7TH INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN RHINOSINUSITIS AND NASAL POLYPOSIS

Venue: Kunibiki Messe

Scientific Program

October 4th, Friday, 2013

8:00 Room A
Opening remarks
Hideyuki Kawauchi Dept of ORL, Shimane University

8:20–9:00 Room A
Nasal polyposis consensus group (NPCG)'s dedication to the research on rhinosinusitis and nasal polyp
Moderators: Dmytro Zabolotnyi, Hideyuki Kawauchi, Dept of ORL, Shimane University
Speakers: Desiderio Passali, Rome Italy
Ranko Mladina, Zagreb, Croatia
Andrey Lopatin, Metin Onerci

9:00–10:30 Room A
NPCG WORKSHOP I
Moderators: Mario Rigante, Ralph Mösges

1. Medicine and OtoRhinoLaryngology in ancient Egypt
   Hesham Negm
   Faculty of Medicine, Cairo University

2. Chronic sino-nasal eosinophilic inflammation: from cellular migration to biochemical pathway
   E. De Corso¹, S. Baroni², M. Battista¹, M. Romanello¹, M Rigante, GC Passali¹, C. Zuppi², G. Paludetti¹
   ¹ Institute of Otorhinolaryngology
   ² Department of Diagnostic and Laboratory Medicine; Catholic University of Medicine and Surgery, Rome, Italy

3. The new aspects of polyps formation
   D. Zabolotnyi¹, R. Mladina³, P. Stierna², S. Yaremchuk¹, K. Vukovich³, M. Warner², O. Imanov²
   ¹ State Institution “Institute of Otolaryngology named after prof. O.S. Kolomijchenko of Academy of Medical Sciences of Ukraine”, Kiev, Ukraine
   ² Department of Biosciences and Medical Nutrition, Novum, Karolinska Institute, Karolinska University Hospital, Huddinge, Sweden
   ³ Department of Otorhinolaryngology Head and Neck Surgery, Clinical Centre Rebro, University of Zagreb, Croatia
4. Longterm medical and surgical treatment of nasal polyps  
Phillipe Gevaert  
University of Ghent, Belgium

5. Complementary and alternative therapy of rhinosinusitis  
Giulio Cesare Passali¹, Luisa Maria Bellussi², Francesco Maria Passali³, Desiderio Passali²  
¹ Department of Ent, Catholic University of the Sacred Hearth, Italy  
² Department of Ent, University of Siena, Italy  
³ Department of Ent, Tor Vergata University, Siena, Italy

6. The presence of eosinophilic mucin and fungal hyphae influences the surgical outcome in nasal polyp patients  
Stephan Vlaminck¹, Tom Vauterin¹, Peter W Hellings², Mark Jorissen³, Frederic Acke¹,  
Paul Van Cauwenberge¹, Claus Bachert¹, Phillipe Gevaert³  
¹ Department of Otorhinolaryngology, AZ St-Johns Hospital, Bruges, Belgium  
² Department of Otorhinolaryngology, University Hospital, Leuven, Belgium  
³ Department of Otorhinolaryngology, University Hospital, Ghent, Belgium

10:30–12:00  
Room A  

7. Agresive surgery in nasal polyposis - does it worth?  
Codrut Sarafoleanu  
Professor of ORL&HNS University of Medicine Carol Davila Bucharest, General Secretary of the Romanian Rhinologic Society, Chairman ORL&HNS Department “Sfanta Maria” Hospital

8. Minimally invasive endoscopic surgery in CRSwNP  
Codrut Sarafoleanu  
Professor of ORL&HNS University of Medicine Carol Davila Bucharest, General Secretary of the Romanian Rhinologic Society, Chairman ORL&HNS Department “Sfanta Maria” Hospital

9. The importance of local eosinophilia in the surgical outcome of chronic rhinosinusitis: a 3-year prospective observational study  
Stephan Vlaminck  
Department of Otorhinolaryngology, AZ St-Johns Hospital, Bruges, Belgium

10. Management of complications of fess for nasal polyposis  
Mario Rigante  
Institute of Otorhinolaryngology, Catholic University of Sacred Heart

11. Rhinomanometric reference values for normal nasal airflow resistance  
R. Mösges, J. Merkle, M. Hellmich  
Institute of Medical Statistics, Informatics and Epidemiology (IMSIE), University of Cologne, Cologne, Germany

12. Effects of sphenopalatine artery ligation on nasal polyposis  
Pasquale Cassano, Michele Cassano  
Department of Otorhinolaryngology, Foggia University Italy
### NPCG WORKSHOP III

**Moderators:** Luisa Bellussi, Hwan-Jung Roh

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Speaker(s)</th>
<th>Location(s)</th>
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<tbody>
<tr>
<td>13. FEES complications</td>
<td>Desiderio Passali, Giulio Cesare Passali</td>
<td>Rome, Italy</td>
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<tr>
<td>14. Rhinosinusitis and OSAS: a discussed relationship</td>
<td>Marco Piemonte</td>
<td>Head ENT Dept., University Hospital “S. Maria della Misericordia”, UDINE, Italy</td>
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<td>15. Sinus cristae galli – constantly neglected source of chronic inflammation of paranasal sinuses</td>
<td>Ranko Mladina</td>
<td>Zagreb, Croatia</td>
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<td>16. Role of macrolides in nasal polyposis</td>
<td>Balwant Singh Gendeh, Saleh Khaled Aboud, Salina Husain</td>
<td>Department of ORL-HNS, UKM Medical Center, Kuala Lumpur, Malaysia</td>
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<tr>
<td>17. Role of endoscopic sinus surgery in sinonasal papillomas</td>
<td>Balwant Singh Gendeh, Salina Husain, Noor Liza Ishak</td>
<td>Professor department of ORL-HNS, UKM Medical Center, Kuala Lumpur, Malaysia</td>
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<tr>
<td>18. Inverted papilloma: endoscopic approach and postoperative 5-fluorouracil application</td>
<td>Gil M. Vicente</td>
<td>Otolaryngology Department, St. Luke’s Medical Center, Manila, Philippines</td>
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### NPCG WORKSHOP IV

**Moderators:** Marco Piemonte, Balwant Gendeh

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<tr>
<th>Presentation</th>
<th>Speaker(s)</th>
<th>Location(s)</th>
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<tbody>
<tr>
<td>19. An immunologic test for chronic rhinosinusitis based on free intranasal eosinophilic major basic protein</td>
<td>Jens U. Ponikau, Hirohito Kita, David A. Sherris, Eugene B. Kern</td>
<td>University at Buffalo, The State University of New York, Mayo Clinic, Rochester MN</td>
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<tr>
<td>20. Tac in nasal polyposis &amp; rhinosinusitis</td>
<td>Hemant Ahluwalia</td>
<td>Agra, India</td>
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<td>21. Targeting innate and acquired immunity in rhinosinusitis. Clinical effect profiles</td>
<td>Pontus Stierna</td>
<td>Karolinska University, Stockholm, Sweden</td>
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<tr>
<td>22. The effects of long and short term stress on eosinophilic airway inflammation</td>
<td>Pontus Stierna</td>
<td>Karolinska University, Stockholm, Sweden</td>
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23. **Hygiene hypothesis and chronic rhinosinusitis**
   Emmanuel Prokopakis¹, Hideyuki Kawauchi²
   ¹ Department of Otorhinolaryngology, University of Crete, Crete, Greece
   ² Department of Otorhinolaryngology, Shimane University, Izumo, Japan

**Appendix. Innate and acquired immunity and its clinical impact on the pathogenesis of upper respiratory tract inflammation**
   Hideyuki Kawauchi¹, Kwang Chul Kim², Emmanuel Prokopakis³
   ¹ Department of Otorhinolaryngology, Shimane University, Izumo, Japan
   ² Temple University School of Medicine, Philadelphia, USA
   ³ Department of Otorhinolaryngology, University of Crete, Crete, Greece

**12:10–12:50 EXHIBITION HALL**

SPONSORED LUNCHEON SEMINAR supported by VOXEL-MAN group, University Medical Center Hamburg-Eppendorf & Nagashima Medical Instruments.CO.,LTD.
Moderator: Koichi Tomoda, Dept of ORL, Kansai Medical University

**Voxel-Man Sinus: a virtual reality simulator for training of endoscopic sinus surgery**
Speaker: Rudolf Leuwer
Department of Otorhinolaryngology, Krefeld Hospital, Krefeld, Germany

**13:00–14:00 Room A**

KEYNOTE LECTURE FOR FUTURE RESEARCH
European position paper on rhinosinusitis and nasal polyps 2012
Moderators: Hiroshi Takenaka, Osaka Medical University
Andrey Lopatin, ENT Dept of Presidential Medical Centre, Moscow

1. **Evidence for medical treatments in nasal polyposis and future therapeutic developments**
   Speaker: Valerie Lund
   Professor of Rhinology at the Ear Institute, University College London and an Honorary Consultant ENT Surgeon at the Royal National Throat Nose and Ear Hospital

2. **Aspects such as the inter-relationship with the lower respiratory tract and other future research directions**
   Speaker: Peter Hellings
   Adjunct Clinic Head, Department of Otorhinolaryngology, Laboratory of Experimental Immunology, University Hospitals Leuven

Language modulators for Japanese: Mitsuhiro Okano, Hideyuki Kawauchi

**14:00–15:00 Room A (International meeting room)**

SPECIAL LECTURE
Moderator: Harumi Suzaki, Dept. of ORL, Showa University

**Chronic rhinosinusitis: in immune response to fungi**
Speaker: Jens Ponikau
University at Buffalo, The State University of New York Gromo Institute and Sinus Center, USA

Language modulators for Japanese: Mitsuhiro Okano, Hideyuki Kawauchi
15:00–15:10
Coffee break

15:10–17:40 Room A

**SPONSORED EVENING SYMPOSIUM supported by GSK PHARMACEUTICAL CO.**

Pathophysiology of airway inflammatory disease-updated information-

Moderators: Pontus Stierna, Dept of ORL, Karolinska University, Sweden
Shigeharu Fujieda, Dept of ORL, Fukui University

1. **Rhinosinusitis pathology and management**
   Wytske Fokkens
   Department of Otorhinolaryngology at the Academic Medical Center in Amsterdam

2. **Mechanism of lower airway inflammatory disease - Leukotriene B4 receptors in asthma**
   Hiromasa Inoue
   Department of Pulmonary Medicine, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan

3. **Allergic inflammation in upper airway -Expression mechanism of corticosteroid receptor**
   Nobuo Ohta
   Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

4. **The regulation of TH1/TH2 balance by eosinophils in the airway inflammation**
   Akira Kanda1,2,3,4, Koichi Tomoda1, David Dombrowicz2,3,4
   1 Department of Otolaryngology, Kansai Medical University, Japan
   2 Inserm U1011
   3 Institut Pasteur de Lille
   4 Université Lille 2, Lille, France

17:50–18:40 Room A

**SPECIAL LECTURE BY THE EXPERT**

Moderator: Yoshitaka Okamoto, Department of ORL, Chiba University

**IgE and Non-IgE mediated allergic inflammation**

Speaker: Hirohisa Saito
Deputy Director, National Research Institute for Child Health & Development, President, Japanese Society of Allergology, International Advisory Board & Associate Editor, Journal of Allergy and Clinical Immunology, Member-at-Large, the WAO Board of Directors

18:40–19:10 Exhibition Room

**Iwami Kagura performance**
## MORNING SEMINAR
Moderator: Emmanuel Prokopakis, Department of ORL, Crete University, Greece

The lamb's head dissection: a novel and unique method for teaching and training endonasal endoscopic surgical techniques

Speaker: Ranko Mladina, ORL Dept., Univ. Hospital Salata Zagreb, Croatia

## STEM CELL RESEARCH SESSION
Moderator: Hideyuki Kawauchi

Stem cell therapy for allergic airway diseases in animal model

Hwan-Jung Roh, Department of ORL-HNS, Pusan National University School of Medicine

Immunomodulatory effect of adipose tissue-derived stem cells on t-lymphocytes and cytokines expression in eosinophilic nasal polyposis

Yong Wan Kim¹, Kyu Sup Cho², Hwan Jung Roh¹

¹ Department of Otorhinolaryngology-Head and Neck Surgery, Inje University Haeundae Paik Hospital, Busan, Korea
² Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National university Hospital, Busan, Korea

## SYMPOSIUM invited by SHIMANE UNIVERSITY
Moderators: Valerie Lund, Ear Institute, University College London

Immunopathology of persistent inflammation in sinonasal cavity - From the Bench to Clinic -

1. Pheno- and endotyping of chronic rhinosinusitis with and without nasal polyps
   Claus Bachert, Prof Dr C Bachert, URL, University of Ghent, Belgium

2. Blood eosinophilia and sinus wall thickness - predictors of recalcitrant chronic rhinosinusitis
   Yeh Te-Huei, Department of Otolaryngology, National Taiwan University Hospital

3. Pathophysiology of airway inflammatory diseases
   Luisa Bellussi, E.N.T. Clinic, Medical School, University of Siena, Policlinico “Le Scotte” Viale Bracci 5 3 100 Siena Italy

4. Subclassification for chronic rhinosinusitis with nasal polyps (CRSwNP) in Japan: Eosinophilic CRSwNP versus non-eosinophilic CRSwNP
   Jun-ichi Ishitoya, Department of Otorhinolaryngology, Yokohama City University Medical Center, Japan
5. **Crosstalk of microbial antigens and COX metabolism in the pathogenesis of CRSwNP**
Mitsuhiro Okano
Department of Otolaryngology-Head & Neck Surgery, Okayama University Graduate School of Medicine
Okayama, JAPAN

6. **Eosinophilic Otitis Media**
Yukiko Iino
Department of Otolaryngology, Jichi Medical University Saitama, Medical Center, Saitama, Japan

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<th>Time</th>
<th>Event Description</th>
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<tr>
<td>11:20–11:30</td>
<td>Coffee break</td>
<td>Room A</td>
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**SPONSORED LUNCHEON SEMINAR supported by MSD K.K.**

**Nasal polyp Disease and Asthma**

**Moderator:** Yuichi Kurono, Dept of ORL, Kagoshima University

1. **Corticosteroid sensitivity in natural helper cells**
   **Speaker:** Koichiro Asano
   Division of Pulmonary Medicine, Tokai University School of Medicine, Kanagawa, Japan

2. **Interaction between Nasal polyp disease and Asthma: from polyps to asthma**
   **Speaker:** Claus Bachert
   University of Ghent, Belgium

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<td>SPONSORED LUNCHEON SEMINAR supported by MSD K.K.</td>
<td>Room A</td>
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<td>Nasal polyp Disease and Asthma</td>
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<td><strong>Moderator:</strong> Yuichi Kurono, Dept of ORL, Kagoshima University</td>
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<td>12:30–13:30</td>
<td>Nasal polyposis consensus group Business meeting</td>
<td>Room 602</td>
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**SPONSORED SEMINAR supported by MORITA MFG. CORP.**

Updated informations on endoscopic sinus surgery

**Moderator:** Hiroshi Moriyama, Jikei University

Endoscopic sinus surgery for chronic rhinosinusitis
   -current concept and technique for safe and effective operation-
   **Speaker:** Nobuyoshi Otori
   Department of Otorhinolaryngology, The Jikei University School of Medicine, Tokyo, Japan

Pre-lacrimal endoscopic approach to maxillary sinus: our experience
   **Speaker:** Yeh Te-Huei
   Department of Otolaryngology, National Taiwan University Hospital

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<td>SPONSORED SEMINAR supported by MORITA MFG. CORP.</td>
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<td>Updated informations on endoscopic sinus surgery</td>
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<td><strong>Moderator:</strong> Hiroshi Moriyama, Jikei University</td>
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**SPECIAL LECTURE BY THE EXPERT**

**Moderator:** Tetsuo Himi, Dept of ORL, Sapporo Medical University

The mucosal immune system for new generation of prophylaxis and therapeutic nasal and oral vaccines
   **Speaker:** Hiroshi Kiyono
   Division of Mucosal Immunology, International Research and Development Center for Mucosal Vaccines, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan

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<td>14:30–15:20</td>
<td>SPECIAL LECTURE BY THE EXPERT</td>
<td>Room A</td>
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<td>The mucosal immune system for new generation of prophylaxis and therapeutic nasal and oral vaccines</td>
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<td><strong>Speaker:</strong> Hiroshi Kiyono</td>
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26
SPONSORED EVENING SYMPOSIUM supported by PRAMS AND KYORIN PHARMACEUTICAL CO.
Airway mucus and innate immunity of upper and lower respiratory tract
Moderators: Joo-Heon Yoon, Dept of ORL, Yonsei University, Korea
Takeshi Shimizu, Dept of ORL, Shiga University

MARCKS protein as a therapeutic target for inflammatory airway disease: from bench to bedside
Kenneth Adler
Professor of Cell Biology, Department of Molecular Biomedical Sciences, North Carolina State University, Raleigh, NC

Functional characterization of a smoke-induced long non-coding RNA, SCAL, in protecting airway epithelial cell injury
Reen Wu
Center for Comparative Respiratory Biology and Medicine and Internal Medicine, University of California, Davis, CA 95616, USA

Roles of mucins in respiratory tract inflammation
Kwang Chul Kim
Professor and Director, Lung Mucus Research Program, Center for Inflammation, Translational and Clinical Lung Research Temple University School of Medicine, Philadelphia, Pennsylvania, USA

Sestrin2 acts as a negative regulator of inflammasome
Joo-Heon Yoon
Dept. of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, KOREA

Role of coagulation factors and eosinophils in the pathogenesis of mucus hypersecretion in eosinophil-associated chronic rhinosinusitis
Takeshi Shimizu
Department of Otorhinolaryngology, Shiga University of Medical Science, Otsu, Japan

Transportation by Bus to Matsue English Garden

GET TOGETHER PARTY
Italian Restaurant & café LAUT in Matsue English Garden

Special invitation for performance of world cultural heritage, “Sada Shinnoh noh play” at Sada Shrine

Closing of GET TOGETHER PARTY
October 6th, Sunday, 2013

8:00–9:00 Room A
MORNING SEMINAR

Moderator: Tamotsu Harada, Dept of ORL, Kawasaki Medical University

1. Transitional tendencies of isolated bacteria from acute and chronic nasal sinusitis in otolaryngological field in Japan from first to fifth nationwide surveillances
   Speaker: Kenji Suzuki
   The Surveillance Committee of Japan Society for Infectious Diseases in Otolaryngology, Department of Otolaryngology-Head and Neck Surgery, The Second Hospital, Fujita Health University School of Medicine, Nagoya, Japan

Moderator: Toshio Yoshihara, Dept of ORL, Tokyo Women's Medical University

2. Pharmacodynamics of anti-inflammatory drugs -intranasal corticosteroids-
   Speaker: Nobuo Ohta
   Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

9:00–10:40 Room A
KEYNOTE LECTURE
Cutting edge of the research for olfactory function
Moderators: Takaki Miwa, Dept of ORL, Kanazawa Medical University
           Giulio C Passali, Dept of ENT, Catholic University of the Sacred Hearth, Italy

What the nose knows?: molecular basis of olfaction from receptor to brain
   Kazushige Touhara,
   Department of Applied Biological Chemistry/JST ERATO Touhara Chemosensory Signal Project, The University of Tokyo, Tokyo, Japan

Olfactory nerve transportation as clinical application for olfactory disorders
   Takaki Miwa
   Department of Otorhinolaryngology, Kanazawa Medical University, Ishikawa, Japan

Personal experience in olfactory dysfunction in Parkinson disease
   Giulio Cesare Passali
   Department of Ent, Catholic University of the Sacred Hearth, Italy

Innate immune responses and neuroepithelial degeneration in the mouse olfactory mucosa induced by intranasal Poly(I:C)
   Kenji Kondo
   Department of Otorhinolaryngology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

10:40–10:50
Coffee break
### PANEL DISCUSSION 1

**Management of inverted papilloma in sinonasal cavity and others**

**Moderators:** Satoshi Fukuda, Dept of ORL, Hokkaido University
Stephan Vlaminck, Dept of ORL, AZ St-Johns Hospital, Belgium

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<tr>
<th>Topic</th>
<th>Speaker</th>
<th>Institution</th>
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<tr>
<td>TLR5-mediated innate immune response in human airway epithelia</td>
<td>Chang Hoon Kim</td>
<td>Department of Otorhinolaryngology, The Airway Mucus Institute Research Center for Human Natural Defense, System Yonsei University College of Medicine, Seoul, Korea</td>
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<tr>
<td>Is there a role for molecular markers in the diagnosis and treatment of Inverted papilloma?</td>
<td>Mario Rigante</td>
<td>Department of Otolaryngology Head and Neck Surgery, Catholic University of Sacred Heart – Policlínico “A. Gemelli” – Rome - Italy</td>
</tr>
<tr>
<td>Surgery of sinonasal inverted papillomas</td>
<td>Eun Chang Choi</td>
<td>Department of Otorhinolaryngology, Yonsei University, Seoul, Korea</td>
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<tr>
<td>Significant correlation between human papillomavirus integration and malignant transformation of inverted papilloma</td>
<td>Mikio Suzuki</td>
<td>Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of the Ryukyus, Okinawa 903-0215, Japan</td>
</tr>
<tr>
<td>Preoperative magnetic resonance imagings for sinonasal inverted papilloma</td>
<td>Yuji Nakamaru</td>
<td>Department otolaryngology Head and Neck Surgery, Hokkaido University School of Medicine</td>
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### NPCG WORKSHOP V

**Macrolides and management of pediatric rhinosinusitis**

**Moderators:** Yukiko Iino, Dept of ORL, Jichi medical University
Phillipe Gevaert, Dept of ORL, University of Ghent, Belgium

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<tr>
<td>Clinical efficacy of macrolide series of antibiotics for the treatment of patients with chronic rhinosinusitis</td>
<td>Andrey Lopatin, Anastasia Varvyanskaya</td>
<td>ENT Department of Sechenov First Moscow State Medical University, Moscow, Russia</td>
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<tr>
<td>Macrolides in chronic rhinosinusitis -future aspect-</td>
<td>Syoji Matsune</td>
<td>Nippon Medical School, Department of Otolaryngology, Head and Neck Surgery Tokyo, Japan</td>
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<tr>
<td>Outcome of sinus surgery in children</td>
<td>Emmanuel Prokopakis</td>
<td>Department of Otorhinolaryngology, University of Crete, Crete, Greece</td>
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Management of paediatric rhinosinusitis
Peter Hellings
Adjunct Clinic Head, Department of Otorhinolaryngology, Laboratory of Experimental Immunology, University Hospitals Leuven

Rhinosinusitis with prolonged cough in children
Sawako Masuda
Department of Otorhinolaryngology, National Mie Hospital, Mie, Japan

12:30–13:30 EXHIBITION HALL
LUNCHEON SEMINAR
Mycotic infection in sinonasal cavity and its sequelae
Moderator: Katsuhisa Ikeda, Dept of ORL, Juntendo University

Surgical management of Fungal Sinusitis in Japan
Speaker: Shin-ichi Haruna, Dept of ORL, Dokkyo Medial University

Clinicopathological features of invasive aspergillosis in paranasal sinuses
Speaker: Noriaki Aoi, Dept of ORL, Shimane University

13:30–15:00 Room A
Free oral presentations OP-1–OP-6
Moderators: Mikio Suzuki, Dept of ORL, University of the Ryukyus
Shin-ichi Haruna, Dept of ORL, Dokkyo University

OP-1 Presence of human papillomavirus and immunohistochemical expression of cell cycle proteins p16INK4A, pRb and p53 in sinonasal diseases
Zeyi Deng1, 2, Masahiro Hasegawa1, Mikio Suzuki1
1 Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of the Ryukyus, Okinawa, Japan
2 Department of Otorhinolaryngology, Head and Neck Surgery, Zhujiang Hospital, Southern Medical University, Guangzhou, China

OP-2 Clinical features of chronic rhinosinusitis in IgG4-related disease
Dai Takagi, Yuji Nakamaru, Satoshi Fukuda
Department of Otolaryngology-Head and Neck Surgery, Hokkaido University Graduate School of Medicine

OP-3 Whole transcriptome using next-generation sequencer (RNA-seq) identifies genes associated with eosinophilic chronic rhinosinusitis
Takahiro Tokunaga1, Takahiro Ninomiya1, Yoshimasa Imoto1, Masafumi Sakashita1, Tetsuji Takabayashi1, Emiko Noguchi2, Tadao Arinami2, Shigeharu Fujieda1
1 Department of Otorhinolaryngology - Head & Neck Surgery, University of Fukui
2 Department of Medical Genetics, University of Tsukuba
The binding of plasminogen activator-1 and tissue plasminogen activator promotes less fibrosis and excessive fibrin deposition in nasal polyp tissue

Tetsuji Takabayashi,1, 3, Atsushi Kato1, Anju T. Peters1, Kathryn E. Hulse1, Lydia A. Suh3, Roderick Carter1, James Norton1, Leslie C. Grammer1, Seong H. Cho1, Bruce K. Tan2, Rakesh K. Chandra2, David B. Conley2, Robert C. Kern2, Shigeharu Fujieda3, Robert P. Schleimer1, 2

1 The Division of Allergy and Immunology, Department of Medicine, Northwestern University Feinberg School of Medicine
2 The Department of Otolaryngology, Northwestern University Feinberg School of Medicine
3 The Division of Otorhinolaryngology Head and Neck Surgery, Department of Sensory and Locomotor Medicine, University of Fukui

Modified transnasal endoscopic medial maxillectomy for inverted papilloma

Motohiko Suzuki, Yoshihisa Nakamura, Shingo Murakami

Department of Otorhinolaryngology, Nagoya City University, Nagoya, Japan

Endoscopic endonasal repair of skull base defect: a report of 3 rare cases

Minqiang Xie, Zeyi Deng, Jinyu Wang

Department of Otorhinolaryngology, Head and Neck surgery, Zhujiang Hospital, Southern Medical University, Guangzhou, China

Expression of chemokine receptor CCR3 and its role in nasal polyps

H Saito1, K Honda1, J Ueki2, K Ishikawa1

1 Department of Otorhinolaryngology-Head and Neck Surgery Akita University School of Medicine
2 Department of Infection, Allergy, Clinical Immunology and Laboratory Akita University School of Medicine

Dexamethasone and salmeterol synergistically suppress poly(I:C)-induced CCL3 in nasal epithelium

Shota Tanaka1, 3, Tomomitsu Hirot1, Kyosuke Hatsuushika2, Kaori Tomita3, Shigeharu Fujieda3, Junichi Ishitoya4, Keisuke Masuyama2, Mayumi Tamari1

1 Laboratory for Respiratory Diseases, Center for Genomic Medicine, RIKEN, Kanagawa, Japan
2 Department of Otolaryngology–Head & Neck Surgery, University of Yamanashi, Faculty of Medicine, Yamanashi, Japan
3 Department of Otorhinolaryngology–Head & Neck Surgery, University of Fukui, Faculty of Medicine, Matsuoka, Fukui, Japan
4 Department of Otorhinolaryngology, Yokohama City University Medical Center, Yokohama, Kanagawa, Japan

Toll like receptor 4 plays an important role to enhance bacterial clearance from the nose in synergy with Triggering receptor expressed on myeloid cells (TREM)-1 expression on polymorphonuclear neutrophils

Takashi Hirano, Munehito Moriyama, Satoru Kodama, Toshiaki Kawano, Masashi Suzuki

Oita University, Faculty of Medicine, Department of Otorhinolaryngology
OP-10  Formation of mucosal immunoglobulin E-positive lymphoid follicles in cases of chronic rhinosinusitis
Yasushi Ota, Yoshihiro Ikemiyagi, Mitsuya Suzuki
Toho University Sakura Medical Center

OP-11  IL-17RB-expressing memory CD4+ T cells promote eosinophilic inflammation in chronic rhinosinusitis with nasal polyps
Tomohisa Iinuma, Yuji Oki and Yoshitaka Okamoto
Department of Otolaryngology, Head and Neck Surgery, Chiba University Graduate School of Medicine, Chiba, Japan

OP-12  Clinical features of frontal sinus mucosa in eosinophilic rhinosinusitis
K Kubota, S Takeno, T Taruya, A Sasaki, N Noda, K Hirakawa
Department of Otorhinolaryngology, Hiroshima University, School of Medicine, Hiroshima, Japan

EXHIBITION HALL

Free Poster Presentation    PP-1–PP-19

PP-1  Comprehensive analysis of various cytokines produced in response to stimulation with interleukin-17A in the primary-cultured nasal mucosa epithelial cells with allergic rhinitis
Akihito Shiozawa, Masato Miwa, Katsuhisa Ikeda
Juntendo University Faculty of Medicine

PP-2  Difference of postoperative findings between eosinophilic chronic rhinosinusitis and non eosinophilic chronic rhinosinusitis
Y Ohki, T Iinuma, Y Okamoto
Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Chiba University, Chiba, Japan

PP-3  Overexpression of pendrin and periontin in varios nasal disorders
A Ishida, N Ota, S Kakehata
Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine, Yamagata, Japan

PP-4  Inhibition of TNF-induced neutrophil apoptosis by erythromycin
Nobuo Ohta, Kazutoshi Inamura, Naoko Akatsuka, Masaru Aoyagi, Seiji Kakehata
Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

PP-5  Combined antihistamine and macrolide therapy for allergic sinusitis
Yusuke Suzuki, Nobuo Ohta, Kazuya Kurakami, Takatoshi Furukawa, Kuniaki Chida, Seiji Kakehata
Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

PP-6  Efficacy of botulinum toxin type a in murine experimental allergic rhinitis
K Aoishi, H Takahashi, N Hato, K Gyo
Department of Otorhinolaryngology, Ehime University Hospital
PP-7  Chronic rhinosinusitis associated with hyper-IgE syndrome
T Furukawa, Y Takeda, H Asao, N Ohta, K Futai, S Kakehata

Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine, JAPAN

PP-8  Endoscopic surgical management of orbital abscess secondary to acute rhinosinusitis: a case report
Kuniaki Chida, Nobuo Ota, Takatoshi Furukawai, Tomoo Watanabe, Kazunori Futai, Seiji Kakehata

Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

PP-9  MRI findings of olfactory bulbs in patients with congenital anosmia
Takao Ogawa, Mayu Ono, Tomohisa Kato, Takeshi Shimizu

Shiga University of Medical Science

PP-10  Outcomes of olfactory function by endoscopic sinus surgery in the patients with eosinophillic chronic sinusitis
Yamada Kentaro, J Yamamoto, Kanako Yamada, H Shiga, T Miwa

Department of otolaryngology, Kanazawa Medical University

PP-11  Efficacy of endoscopic sinus surgery-based on multidisciplinary treatment for chronic rhinosinusitis with asthma
Nobuo Ohta, Yusuke Suzuki, Kazuya Kurakami, Takatoshi Furukawa, Kuniaki Chida, Seiji Kakehata

Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

PP-12  Maxillary sinus disease caused by dental implants-radiological findings and treatments-Nozomi Nomi, Satoru Kodama, Masashi Suzuki

Department of Otolaryngology, Oita University, Yufu, Japan

PP-13  A case that had a diagnosis of Relapsing Polychondritis by Biopsy of Thyroid Cartilage
Daisuke Sasaki, Junichi Yokoyama, Shinichi Ooba, Mitsuhsisa Fujimaki, Masataka Kojima, Katsuhisa Ikeda

Juntendo University Faculty of Medicine

PP-14  Clinical study of the association with asthma and eosinophils in chronic sinusitis surgery patients
Yukiyoshi Hyo, Shin-ichi Hamamoto, Tomoya Fujisaki, Hisaki Fukushima, Tamotsu Harada

Department of Otolaryngology, Kawasaki Medical School, Kurashiki, Japan

PP-15  Clinical features in sinonasal inverted papilloma with or without human papilloma virus infection
Takayuki Uehara1, Yukashi Yamashita1, Zeyi Deng1,2, Sen Matayoshi1, Masahiro Hasegawa1, Hiroyuki Maeda1, Mikio Suzuki1

1 Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of the Ryukyus, Okinawa, Japan
2 Department of Otorhinolaryngology, Head and Neck Surgery, Zhujiang Hospital, Southern Medical University, Guangzhou, China
PP-16 A surgical staging system based on the site of origin for sinonasal inverted papilloma
Tsuguhisa Nakayama¹, ², Toshiharu Tsukidate², Jiro Iimura², Aya Mori¹, ², Akihito Kuboki¹, ², Shin-ichi Haruna²
¹ Department of Otorhinolaryngology-Head and Neck Surgery, Dokkyo Medical University, Tochigi, Japan
² Department of Otorhinolaryngology, Jikei University School of Medicine, Tokyo, Japan

PP-17 Clinicopathological features of patients with inverted papilloma in nasal cavity and paranasal sinuses
Ichiro Morikura, Noriaki Aoi, Yasuhiko Shimizu, Kanako Shimizu, Takafumi Fuchiwaki, Yukie Tamura, Hideyuki Kawauchi
Dept. of Otorhinolaryngology, Shimane University, Faculty of Medicine, Izumo City, Shimane, Japan

PP-18 Surgical management of inverted papilloma extending to frontal sinus
Nobuo Ota, Yusuke Suzuki, Kazuya Kurakami, Akihiro Ishidai, Kuniaki Chida, Takatoshi Furukawa, Seiji Kakehata
Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine, Yamagata University, Yamagata, 990-9585 Japan

PP-19 Hematoma-like mass of the maxillary sinus
T Kawano¹, M Yagisawa², Y Sakuma², M Matsuura¹, N Oridate², J Ishitoya²
¹ Department of otorhinolaryngology, Nishi-Yokohama International Hospital, Yokohama, Japan
² Department of otorhinolaryngology, Yokohama City University Medical Center, Yokohama, Japan
³ Department of otorhinolaryngology, Yokohama City University Graduate School of Medicine, Yokohama, Japan

Poster Presentions accepted for evaluation are exhibited at the exhibition room at the first floor. Those papers are open for discussion personally during the congress period of time.

15:10–16:40
Room A
Post-conference research meeting organized by NPCC group
Round Table Discussion - What are the short term and long term goal for basic and clinical research on Rhinosinusitis ? -
Chairpersons: Desiderio Passali, Ranko Mladina
Introductory presentations: Andery Lopatin, Mitsuhiro Okano, Luisa Bellussi, Jun-ichi Ishitoya

Part 1:
Moderators: Hideyuki Kawauchi, Syoji Matsune

Part 2:
Moderators: Desiderio Passali, Dmytro Zabolotnyi

16:40
Room A
Closing Remarks
Hideyuki Kawauchi