

# CIPP XVIII

**18TH** INTERNATIONAL  
CONGRESS ON  
PEDIATRIC PULMONOLOGY



Joint meeting with



**CHIBA  
TOKYO**

JAPAN

June 27-30, 2019

**PRELIMINARY SCIENTIFIC PROGRAM**



[www.cipp-meeting.org](http://www.cipp-meeting.org)



HALLOWEEN Night  
8.26 ON THE FLOOR!!



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コンタクト

Caféレストラン ガスト

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1000% WEDDING!

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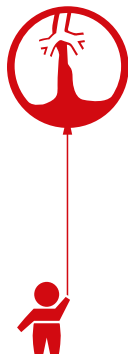
## CONGRESS SECRETARIAT

### MEDI@XA

3 avenue Sainte-Claire 06100 Nice, France

E-mail: [cipp@cipp-meeting.org](mailto:cipp@cipp-meeting.org)

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## CIPP XVIII CME CREDITS

The 18th International Congress on Pediatric Pulmonology, Tokyo, Japan, 27/06/2019-30/06/2019 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 26 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at: [www.ama-assn.org/education/earn-credit-participation-international-activities](http://www.ama-assn.org/education/earn-credit-participation-international-activities).

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C2 Chome-1 Nakase, Mihama Ward  
Chiba, Chiba Prefecture 261-0023,  
Japan

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Manuel Soto-Martinez  
 San Jose, Costa Rica

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Manuel Soto-Martinez  
 San Jose, Costa Rica

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 .....Judith Voynow  
 VIETNAM.....Dung T. Nguyen, Anh Tuan Tran

Dear colleagues,

It has become a great tradition for pediatric pulmonologists from all over the world to attend the International Congress on Pediatric Pulmonology (CIPP), the only global congress entirely devoted to our specialty. In the name of the whole organizing committee, it is my pleasure to invite all of you to the 18th International Congress on Pediatric Pulmonology (CIPP XVIII) that will be held in Tokyo-Chiba, Japan, June 27-30, 2019.

Over the period of almost two decades, CIPP has acquired an excellent reputation among practicing pediatricians and clinical academics as the premiere forum for sharing new information in all areas of pediatric pulmonology, and as a unique place for interactions between the clinical and academic communities. CIPP offers the unique opportunity for state-of-the-art reviews of advances in this field, debates on controversial issues, clinical sessions and cutting edge clinical science.

The CIPP faculty comprises leading specialists and researchers from all parts of the world, bound by the common purpose of improving the management of our young patients. Uniquely, the faculty includes strong participation from the developing countries, offering a rare window of opportunity for the developed and developing world to learn from each other. In addition to the plenary sessions and topic symposia, CIPP offers a number of interactive sessions, including research presentations, clinical case discussions, bronchoscopy and chest imaging quizzes, and a series of hands-on courses in areas of great interest to our public.

Another unique aspect of the congress is a strong focus on the next generation of leaders, with a forum for Young Investigators to present their exciting work in unopposed sessions, and an Award program to promote attendance and active participation of junior researchers. The meeting has been organized in such a way that it minimizes time away from the office or university while allowing you to earn continuing medical education (CME) credits. By attending three consecutive days you can earn up to 26 CME credits.

For the Tokyo Congress, we have continued our long-established and successful practice of having clinical and translational science session tracks covering all aspects of respiratory diseases in childhood - look for the labels and key for various tracks inside the program. The program has been expertly finalized by Drs. Sejal Seglani and Amir Kugelman (Scientific Program Committee Co-Chairs), with the invaluable input from the Central Organizing Committee and our International Advisory Board.

The areas which will be covered include the broad range of pediatric respiratory disorders, such as asthma and respiratory allergies, respiratory infections (including tuberculosis) and their complications, antibiotic resistance, neonatal lung diseases and their outcomes, sleep disorders, critical care, rare lung diseases.

In addition, this year, we have included exciting post-graduate courses on Pediatric Sleep Disorders, Clinical Radiology and Therapeutic Endoscopy in Pediatric Respiratory Medicine.

We hope you will enjoy your time in this beautiful, fascinating Japanese city.



**Giovanni Rossi MD**

President, CIPP XVIII

A handwritten signature in dark ink, appearing to read 'G Rossi', written in a cursive style.

Dear colleagues,

It is a great pleasure for me and the Japanese Society of Pediatric Pulmonology (JSPP) to welcome you to the 18th International Congress on Pediatric Pulmonology (CIPP XVIII) in Chiba/Tokyo, Japan.

I have attended most of the CIPP meetings since the first one held in Nice in 1994, which was organized by Professor Alain Grimfeld. Since then, CIPP had been the only international congress fully devoted to pediatric respiratory medicine. However, most of the venues for the congress were located in Europe, and this is the second time for the CIPP to be held in Asia, next to Bangkok in 2012.

Our venue this time, Makuhari Messe International Conference Hall, is a part of the massive convention complex "Makuhari Messe", located in Chiba, neighboring Tokyo, and have a variety of hotels, restaurants and shopping malls with excellent access from both international airports for Tokyo, Narita and Haneda, by Limousine Bus Services. Using a train from the nearby railway station "Kaihim-Makuhari", you can reach the Tokyo Station in only 30 minutes. So, before and after the congress, you can easily travel around Japan, which holds a variety of attractive tourist destinations.

The scientific program is excellent as always, covering global issues in child lung health. Lectures will be given by world-renowned experts, and interactive sessions will allow sharing of our clinical knowledge and experience in pediatric pulmonology between participants from around the world.

Please, do not miss the chance to participate in this great meeting.

Hoping to meet you here in Japan.

Best regards,



**Masato Takase,  
MD PHD**

President,  
CIPP XVIII  
Local Committee

## THURSDAY JUNE 27, 2019

▶ 08:00 - 08:30

| WELCOMING DESK



**REGISTRATIONS**

**PG COURSE ATTENDEES ONLY**

▶ 08:30 - 17:00

| ROOM A



POST-GRADUATE  
COURSE ON  
**HOME NON-  
INVASIVE  
VENTILATION**

▶ 08:30 - 17:00

| ROOM B



POST-GRADUATE  
COURSE ON  
**CLINICAL  
RADIOLOGY**

▶ 08:30 - 17:00

| ROOM C



POST-GRADUATE  
COURSE ON  
**THERAPEUTIC  
ENDOSCOPY  
IN PEDIATRIC  
RESPIRATORY  
MEDICINE**

▶ 14:00 - 17:30

| WELCOMING DESK



**REGISTRATIONS**

**FOR ALL ATTENDEES**

▶ 18:00 - 21:00

| MAKUHARI MESSE  
2 CHOME-1 NAKASE,  
MIHAMA WARD, CHIBA



**OPENING CEREMONY**

## FRIDAY JUNE 28, 2019

► 08:30 - 10:00

| ROOM A



### PLENARY SESSION

► 10:00 - 10:30

| EXHIBITION HALL



### COFFEE BREAK & EXHIBITION VISIT

► 10:30 - 12:00

| ROOM A



### UPDATE ON DIAGNOSIS AND MANAGEMENT OF ILD

► 10:30 - 12:00

| ROOM B



### SLEEP MEDICINE

► 10:30 - 12:00

| ROOM C



### TB - UPDATE AND ADVANCES

► 12:00 - 13:30

| ROOM A



### INDUSTRY SPONSORED SATELLITE SYMPOSIUM

► 13:30 - 15:00

| POSTER AREA



### INTERACTIVE POSTER SESSION PART I

► 15:00 - 16:30

| ROOM A



### PLENARY SESSION

► 16:30 - 17:00

| EXHIBITION HALL



### COFFEE BREAK & EXHIBITION VISIT

► 17:00 - 18:30

| ROOM A



### ASTHMA

► 17:00 - 18:30

| ROOM B



### CHALLENGING CASES

► 17:00 - 18:30

| ROOM C



### CHRONIC COUGH

► 20:00 - 23:00

| HOTEL THE MANHATTAN  
2-10-1 HIBINO,MIHAMA-KU  
CHIBA-SHI,CHIBA

### IAB WORKING DINNER



## SATURDAY JUNE 29, 2019

► 08:30 - 10:00

| ROOM A



### PLENARY SESSION

► 10:00 - 10:30

| EXHIBITION HALL



### COFFEE BREAK & EXHIBITION VISIT

► 10:30 - 12:00

| ROOM A



### CHRONIC SUP- PURATIVE LUNG DISEASE AND PNEUMONIA

► 10:30 - 12:00

| ROOM B



### NEONATOLOGY FOR THE PEDIATRIC PULMONOLOGIST

► 10:30 - 12:00

| ROOM C



### INTERVENTIONAL BRONCHOSCOPY

► 12:00 - 13:30

| ROOM A



### INDUSTRY SPONSORED SATELLITE SYMPOSIUM

► 13:30 - 15:00

| POSTER AREA



### INTERACTIVE POSTER SESSION PART II

► 15:00 - 16:30

| ROOM A



### PLENARY SESSION

► 16:30 - 17:00

| EXHIBITION HALL



### COFFEE BREAK & EXHIBITION VISIT

► 17:00 - 18:30

| ROOM A



### ASTHMA AND PRESCHOOL WHEEZING DISORDERS - UPDATE

► 17:00 - 18:30

| ROOM B



### NEONATAL PULMONOLOGY

► 17:00 - 18:30

| ROOM C



### ENVIRONMENT AND LUNG HEALTH

> 20:00 - 24:00

| THE NEW OTANI HOTEL

2-120-3 HIBINO, MIHAMA-KU

CHIBA-SHI, CHIBA

### YOUNG INVESTIGATOR'S AWARD CEREMONY AND GALA DINNER

## SUNDAY JUNE 30, 2019

▶ 08:30 - 10:00

| ROOM A



### PLENARY SESSION

▶ 10:00 - 10:30

| EXHIBITION HALL



### COFFEE BREAK & EXHIBITION VISIT

▶ 10:30 - 12:00

| ROOM A



### TECHNOLOGY ADVANCES IN MANAGEMENT OF LUNG DISEASE

▶ 10:30 - 12:00

| ROOM B



### CONGENITAL CENTRAL HYPO- VENTILATION SYNDROME: FAMILY AND PHYSICIANS PERSPECTIVE

▶ 10:30 - 12:00

| ROOM C



### PEARLS

▶ 12:00 - 14:00

| ROOM A



### APPS SESSION



▶ 12:00 - 14:00

| ROOM B



### WORKSHOP PEDIATRIC IS MAGICAL

▶ 12:00 - 14:00

| ROOM C



### WORKSHOP HOW TO GET PUBLISHED? MEET THE EDITORS

▶ 14:00 - 15:30

| ROOM B



### RADIOLOGY QUIZ DENOUEMENT

▶ 15:30 - 17:00

| ROOM C



### BRONCHOSCOPY QUIZ DENOUEMENT

▶ 17:00 - 19:00

| ROOM A



### CLOSING CEREMONY

**THURSDAY**

JUNE 27, 2019

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► 08:00 - 08:30

| WELCOMING DESK

**REGISTRATIONS**

PG Course Attendees Only

► 08:30 - 17:00

| ROOM A

**HOME NON-INVASIVE VENTILATION****Directors:****Jean-Paul Praud** Sherbrooke, Canada**Daniel Ng** Hong Kong SAR, China**8:30 - 8:45****Welcome Introduction:****Jean-Paul Praud** Sherbrooke, Canada**Daniel Ng** Hong Kong SAR, China**8:45 - 9:15****Long-Term Home Non-Invasive Ventilation:  
The Current State and the Challenges****Anne Goh** Singapore, Singapore**9:15 - 9:45****Titration and Patient Monitoring for  
Non-Invasive Ventilation.****Jean-Paul Praud** Sherbrooke, Canada**9:45 - 10:15****Home Non-Invasive Respiratory Support for  
Obstructive Sleep Apnea: Infants to Teenagers ;  
Pressure to Flow.****Daniel Ng** Hong Kong SAR, China**10:15 - 10:45****Coffee Break****10:45 - 11:15****Non-Invasive Ventilation for Chronic Parenchymal  
Lung Diseases.****Aroonwan Preutthipan** Bangkok, Thailand**11:15 - 11:45****Non-Invasive Ventilation for  
Neuromuscular Disorders.****Jean-Paul Praud** Sherbrooke, Canada**11:45 - 12:15****Home NIV in CCHS and Central Apnea****Yosuke Yamada** Tokyo, Japan**12:30 - 14:00****Lunch Break****14:00 - 15:00****Illustrative Clinical Cases Presentation.****15:00 - 17:00****Hands-on session:****Station 1:****Auto CPAP with Heated Humidifier via Nasal Pillow,  
Nasal Mask, Oronasal Mask, Full Face Mask.****Sation 2:****Bi-level PAP with Heated Humidifier with Different  
Modes via Nasal Mask.****Sation 3:****Heated Humidified High Flow Nasal Cannula.***Registration To this Workshop Includes Coffee-Break and Lunch  
Limited Attendance up to 30 Participants*

► 08:30 - 17:00

| ROOM B



## POST-GRADUATE COURSE ON CLINICAL RADIOLOGY

- Directors:** Paul Guillerma Houston, USA  
Bernard Laya Taguig City, Philippines
- 8:30 - 9:00** **Introduction and Opening Quiz (Pre-test).**  
Paul Guillerma Houston, USA  
Bernard Laya Taguig City, Philippines
- 9:00 - 10:00** **Foundations - Basic Anatomy and Imaging Techniques.**
- 10:00 - 10:50** **Non-Tuberculous Infection.**  
**Radiologist:** Paul Guillerma Houston, USA  
**Pulmonologist:** Andrew Colin Miami, USA
- 10:50 - 11:15** **Tuberculosis.**  
**Radiologist:** Bernard Laya Taguig City, Philippines  
**Pulmonologist:** Heather Zar Cape Town, South Africa
- 11:15 - 12:15** **Neonatal Lung Diseases.**  
**Radiologist:** Bernard Laya Taguig City, Philippines  
**Pulmonologist:** Amir Kugelman Haifa, Israel
- 12:15 - 13:45** **Lunch-Break**
- 13:45 - 14:45** **Childhood Interstitial Lung Disease.**  
**Radiologist:** Paul Guillerma Houston, USA  
**Pulmonologist:** Andrew Bush London, UK
- 14:45 - 15:45** **Congenital Lung Malformations and Tumors.**  
**Radiologist:** Paul Guillerma Houston, USA  
**Pulmonologist:** Andrew Bush London, UK
- 15:45 - 16:30** **New Imaging Techniques - Dynamic CT, MRI and US.**  
Bernard Laya Taguig City, Philippines
- 16:30 - 17:00** **Denouement (Post-test)**  
Paul Guillerma Houston, USA  
Bernard Laya Taguig City, Philippines

*Registration To this Workshop Includes Coffee-Break and Lunch  
Limited Attendance up to 30 Participants*

► 08:30 - 17:00

| ROOM C



## POST-GRADUATE COURSE ON THERAPEUTIC ENDOSCOPY IN PEDIATRIC RESPIRATORY MEDICINE

- Directors:** Petr Pohunek Prague, Czech Republic  
Wen Jue Soong Taipei, Taiwan
- 8:30** **Presentation and Welcome of the Participants**  
Petr Pohunek Prague, Czech Republic  
Wen Jue Soong Taipei, Taiwan
- 8:45** **Introduction to the CIPP course: Therapeutic Endoscopy in Pediatric Respiratory Medicine.**  
Petr Pohunek Prague, Czech Republic
- 8:55** **History of Bronchoscopy and Therapeutic Endoscopy in Children.**  
Wen Jue Soong Taipei, Taiwan
- 9:20** **Normal Anatomy of Upper and Lower Airways.**  
Petr Pohunek Prague, Czech Republic
- 9:40** **Principles of Therapeutic Bronchoscopy Equipment, Setting of the Bronchoscopy Room**  
Wen Jue Soong Taipei, Taiwan
- 10:00 - 10:30** **Coffee Break**
- 10:30** **Anesthesia and Sedation for Pediatric Endoscopy in Children Including Tolerance and Complications.**  
Petr Pohunek Prague, Czech Republic
- 10:50** **A Novel Respiratory Support during Therapeutic Bronchoscopy**  
Wen Jue Soong Taipei, Taiwan
- 11:25** **How can we use a Flexible Bronchoscope for Endoscopic Therapy**  
Petr Pohunek Prague, Czech Republic
- 11:45** **Interventional Flexible Bronchoscopy (FB, Stents, Dilation, Cryotherapy, Laser...)**  
Wen Jue Soong Taipei, Taiwan
- 12:10** **Other Endoscopic Techniques - Thoracoscopy and VATS, Pleuroscopy, Mediastinoscopy**  
TBA
- 12:30 - 14:00** **Lunch Break**

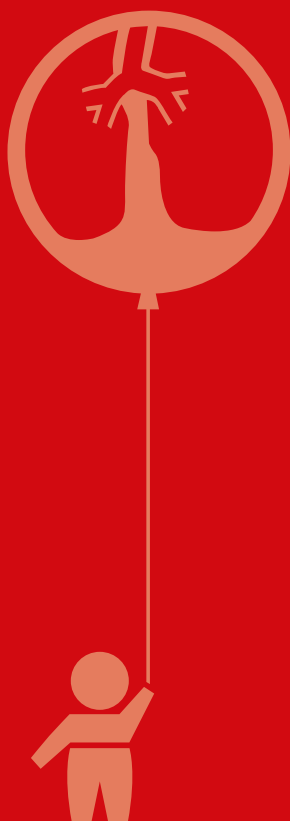
**14:00****Video Session.****Wen Jue Soong** Taipei, Taiwan**Petr Pohunek** Prague, Czech Republic**15:00****Practical Training****Petr Pohunek** Prague, Czech Republic**Wen Jue Soong** Taipei, Taiwan**1. Working with the Rigid Bronchoscope in Interventions Stenting, Dilations, Coagulations****2. Flexible Bronchoscopy Interventions FB extraction, Balloon Dilatation, Laser, Cryotherapy, stent implantation, Interventions in Neonates, Bronchoscopic Intubation****3. Medical Thoracoscopy****17:00****Concluding Remarks and Closing of the Course.***Registration To this Workshop Includes Coffee-Break and Lunch**Limited Attendance up to 30 Participants***► 14:00 - 17:30****| WELCOMING DESK****REGISTRATIONS****For all attendees****► 18:00 - 21:00****| MAKUHARI MESSE  
2 CHOME-1 NAKASE,  
MIHAMA WARD, CHIBA****OPENING CEREMONY****18:00-18:15****Welcoming Addresses:****CIPP XVIII President's Address - Giovanni Rossi** Genoa, Italy**Local Committee President's Address - Masato Takase** Tokyo, Japan**18:15-19:00****Keynote Lecture:****Macrolides - From Diffuse Pan-Bronchiolitis to CF and Beyond - Bruce Rubin** Richmond, USA**19:00 - 21:00****Welcoming Cocktail**





**FRIDAY**  
JUNE 28, 2019

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► 08:30 - 10:00

| ROOM A

**PLENARY SESSION****Chairmen:****Andrew Bush** London, UK**Masato Takase** Tokyo, Japan**1. The impact of the Lung Microbiota on Mucosal Immunity.****Leopoldo N. Segal** New York, USA**2. Viral and Bacterial Co-Infections.****James Gern** Madison, USA**3. Young Investigator's Oral Presentations:****A-27 - Immune Mediator Levels in the Upper Airways Predict Response to Azithromycin for Episodes with Asthma-like Symptoms in Young Children.****Christian Jakob Carlsson** Gentofte, Denmark**A-85 - The Relation of Matrix Metalloproteinases 2 And 9 to Reticular Basement Membrane Thickening in Chronic Neutrophilic Airway Inflammation.****Vaclav Koucky** Prague, Czech Republic

► 10:00 - 10:30

| EXHIBITION HALL

**COFFEE BREAK & EXHIBITION VISIT**

► 10:30 - 12:00

| ROOM A

**UPDATE ON DIAGNOSIS AND MANAGEMENT OF ILD****Chairpersons:****Nural Kiper** Ankara, Turkey**Theodor Zimmermann** Erlangen, Germany**1. Advances in Genetics.****Kazutoshi Cho** Sapporo, Japan**2. Value of Imaging.****Paul Guillermin** Houston, USA**3. Management and Prognosis.****Andrew Bush** London, UK

► 10:30 - 12:00

| ROOM B

**SLEEP MEDICINE****Chairpersons:****Aroonwan Preuthiphan** Bangkok, Thailand**Takeshi Sugiyama** Aichi, Japan**1. Which Study and When?****Jean-Paul Praud** Sherbrooke, Canada**2. Sleep Complaints, Sleep Architecture and Lung Health.****Stijn Verhulst** Antwerp, Belgium**3. Early Interventions to Change the Trajectory of Childhood Sleep Disordered Breathing.****Christian Guilleminault** Stanford, USA

► 10:30 - 12:00

| ROOM C

**TB - UPDATE AND ADVANCES****Chairpersons:****Cissy Kartasasmita** Bandung, Indonesia**Kazunobu Ouchi** Kurashiki, Japan**1. Advances in TB Diagnostics and Biomarkers.****Heather Zar** Cape Town, South Africa**2. Drug Resistant Tuberculosis.****Alexander Tuazon** Manila, Philippines**3. Non-Tuberculous Mycobacteria.****Eitan Kerem** Jerusalem, Israel

► 12:00 - 13:30

| ROOM A

**INDUSTRY SPONSORED SATELLITE SYMPOSIUM**

► 13:30 - 15:00

| POSTER AREA

**INTERACTIVE POSTER SESSION PART I****Chair, Abstract & Award Committee:****Manuel Soto-Martinez** San José, Costa Rica**1. BRONCHIAL ASTHMA AND OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES****A-22 The Effect of Vitamin D Administration on Vitamin D Status and Respiratory Morbidity in Premature Infants.**Golan Tripto I.<sup>1</sup>, Bistritzer J.<sup>2</sup>, Loewenthal N.<sup>2</sup>, Dizitzer Y.<sup>3</sup>, Goldbart A.<sup>1</sup>

1. Pediatric Pulmonary Unit, Soroka University Medical Center - Beer-Sheva, Israel

2. Department of Pediatrics, Soroka University Medical Center - Beer-Sheva, Israel

3. Clinical Research Center, Soroka University Medical Center - Beer-Sheva, Israel

**A-33 Pulmonary Function Evaluation in Pediatric Patients with Primary Immunodeficiency Complicated by Bronchiectasis.**Lai SH., Wong KS., Chiu CY., Chiu CC.

Division of Pediatric Pulmonology, Chang Gung Memorial Hospital - Taoyuan, Taiwan

**A-39 Characteristics of Breath Sound in Infants with Risk Factors for Asthma Development.**Shioya H.<sup>1</sup>, Tadaki H.<sup>2</sup>, Yamazaki F.<sup>3</sup>, Miyamoto M.<sup>4</sup>, Yoshihara S.<sup>4</sup>, Enseki M.<sup>5</sup>, Tabata H.<sup>5</sup>, Hirai K.<sup>5</sup>, Furuya H.<sup>6</sup>, Kato M.<sup>5</sup>, Mochizuki H.<sup>5</sup>

1. Division of Pediatrics, National Hospital Organization Yokohama Medical Center - Yokohama, Japan

2. Division of Pediatrics, Yamato Municipal Hospital - Yamato, Japan

3. Division of Pediatrics, Uchida Lin Y Child Clinic - Yokohama, Japan

4. Department of Pediatrics, Dokkyo Medical University - Mibu, Japan

5. Department of Pediatrics, Tokai University School of Medicine - Isehara, Japan

6. Department of Basic Clinical Science and Public Health, Tokai University School of Medicine - Isehara, Japan

**A-47 Correlation of BMI as to Clinical Presentation and Duration of Hospitalization among Filipino Children Admitted with the Diagnosis of Asthma.**Pontigon M.

Pediatrics, Quezon City General Hospital - Quezon City, Philippines

**A-54 Retrospective Evaluation of The Efficiency of Azithromycin in the Protracted Bacterial Bronchitis (PBB)-Extended.**Traiman D., Lefèvre N.

Department of Pulmonology, Allergology and Cystic Fibrosis, Hôpital Universitaire des Enfants Reine Fabiola, Université Libre de Bruxelles (ULB) - Brussels, Belgium

**A-57 Prevalence of Childhood Asthma in Ulaanbaatar, Mongolia in 2009.**Ando Y.<sup>1</sup>, Munkhbayarlakh S.<sup>2</sup>, Makino S.<sup>3</sup>, Sagara H.<sup>4</sup>, Yoshihara S.<sup>1</sup>

1. Department of Pediatrics, Dokkyo Medical University - Tochigi, Japan

2. Department of Pathophysiology, School of Bio-Medicine, Health Sciences University of Mongolia - Ulaanbaatar, Mongolia

3. World Health Organization Collaborating Centre of Prevention and Control of Chronic Respiratory Disease, Dokkyo Medical University - Tochigi, Japan

4. The Division of Respiratory and Allergy, Department of Internal Medicine, Showa University - Tokyo, Japan

### A-69 Clinical Characteristics and Risk Factors of the Wheezing and Asthma Phenotype in Children Under 5 Years Old.

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### A-70 Multicenter Compliance Study of Asthma Medication for Children in Korea.

Kim CK<sup>1</sup>, Callaway Z.<sup>1</sup>, Choi JG.<sup>1</sup>, Kim HB.<sup>1</sup>, Kwon EM.<sup>1</sup>, Chang YS.<sup>2</sup>, Rha YH.<sup>3</sup>, Hong SJ.<sup>4</sup>, Oh JW.<sup>5</sup>, Kim HH.<sup>6</sup>, Lim DH.<sup>7</sup>, Kim SW.<sup>8</sup>, Park KS.<sup>9</sup>, Cho YH.<sup>10</sup>, Chung HL.<sup>11</sup>, Park HJ.<sup>12</sup>, Jung SG.<sup>13</sup>, Kang IJ.<sup>14</sup>, Hyun MC.<sup>15</sup>, Oh MY.<sup>16</sup>, Jung JA.<sup>17</sup>, Kim MS.<sup>18</sup>, Shim JY.<sup>19</sup>, Kim JT.<sup>20</sup>, Koh YY.<sup>21</sup>

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The KAPARD Work Group on Asthma Medication Compliance

### A-83 Efficacy of Evaluation of Lactobacillus Rhamnosus GG in Der P Sensitized Animal Asthma Model.

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### A-102 Perception of Dyspnea During Acetylcholine-Induced Bronchoconstriction Correlates with Eosinophilic Airway Inflammation in Asthmatic Children.

Wakatsuki M., Akamine Y., Iwata M., Taba N., Murakami Y., Odajima H., Motomura C., Honjo S., Okabe K., Okamoto Y., Ninomiya T., Kawano T., Oki T.

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### A-107 Characteristics of Acute Severe Exacerbations of Asthma in Children at Intensive Care Unit, Children Hospital 1.

Phung NTN, Le PT.

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### A-132 Peanut and Brazil Nut Sensitization Profile among Asthmatic Patients in Southern Taiwan.

Huang YF<sup>1</sup>, Cheng CW.<sup>2</sup>

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### A-142 Asthma and the Risk of Pneumococcal Invasive Disease: A Systematic Review and Meta-Analysis.

Castro-Rodriguez JA

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### A-165 Polymorphic Markers of CDHR3 are Associated with Preschool Wheeze and Forced Expiratory Indices.

Leung TF, Tang MF., Leung AS., Song YP., Wong GW.

Department of Pediatrics, The Chinese University of Hong Kong - Hong Kong, Hong-Kong

### A-174 Development and Validation of Adherence Questionnaire for Adolescents with Asthma on Controller Inhaled Corticosteroids.

Nagao M., Fujisawa T.

Pediatrics, Mie National Hospital - Tsu, Japan

### A-208 Effect of Long-term Inhaled Corticosteroid Therapy on Adrenal Suppression Growth and Bone Health in Children with Asthma.

WDA Anuradha K<sup>1</sup>, LDC Premathilake G.<sup>2</sup>, AUI Batuwita B.<sup>1</sup>, ASR Kannangoda K.<sup>1</sup>, S Hewagamage U.<sup>1</sup>, Lankathilake K.<sup>3</sup>, SH de Silva K.<sup>4</sup>

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### A-219 Vitamin D Deficiency in Jordanian Children with Bronchial Asthma.

Al-Zayadenh E

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### A-221 Drug Use and Quality of Life in Asthmatic Children One Year before and after Admittance in an Outpatient Pediatric Asthma Clinic.

Karantaglis N., Kirvasillis F., Hatziagorou E., Kontouli K., Tsanakas J.

Pediatric Pulmonology and CF Unit, 3rd Pediatric Dept, Aristotle University of Thessaloniki - Thessaloniki, Greece

## 2. ALLERGIC BRONCHOPULMONARY DISORDERS (EXCLUDING BRONCHIAL ASTHMA)

### B-133 Cut-off Values of Diagnostic Criteria for Allergic Bronchopulmonary Aspergillosis in Asthmatic Children.

*Jat KB*, Kumari J., Lodha R., Mukherjee A., Saini S., Kumar A., Kabra SK.  
Pediatrics, All India Institute of Medical Sciences - New Delhi, India

## 3. BRONCHOPULMONARY AND PLEURAL INFECTIONS (INCLUDING TUBERCULOSIS)

### C-76 Comparing High Flow Nasal Cannula with Non-Invasive Ventilation Modes in The Management of Bronchiolitis in The Pediatric Intensive Care Unit.

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### C-100 A Study of Human Coronavirus Infections in Children with Community—Acquired Pneumonia from 2015 To 2016 in Zhejiang, China.

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### C-130 ARDS in Children with Ventilator Associated Pneumonia at Children's Hospital Number 1

*Le PT*, Phung NTN.  
PICU, Children's Hospital 1 - HCMC, Vietnam

### C-134 Bacteria and Viruses that Trigger Cough in Children outside Epidemic Seasons.

Georgieva B.<sup>1</sup>, Gergova R.<sup>2</sup>, Perenovska P.<sup>1</sup>, Miteva D.<sup>1</sup>, Parina S.<sup>1</sup>, Korsun N.<sup>3</sup>, *Petrova G*<sup>1</sup>  
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### C-146 Etiological Profile of Pneumonia in Hospitalized Children – Effect of the Pneumococcal Vaccine.

*Petrova G*<sup>1</sup>, Parina S.<sup>1</sup>, Miteva D.<sup>1</sup>, Georgieva B.<sup>1</sup>, Tzotcheva I.<sup>1</sup>, Lazova S.<sup>1</sup>, Korsun N.<sup>2</sup>, Perenovska P.<sup>1</sup>  
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### C-154 Factors Associated with the Need for Pediatric Critical Care in Community Acquired Pneumonia versus Hospital Acquired Pneumonia.

Wang CC.<sup>1</sup> Tseng WC.<sup>2</sup>, Wu ET.<sup>1</sup>, Wu MH.<sup>1</sup>, Yen TA.<sup>1</sup> Lu L.<sup>1</sup>, Tai JH.<sup>1</sup>  
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### C-176 Biomarkers as Outcome Predictor of Children Hospitalized with Severe Community Acquired Pneumonia in West Nusa Tenggara Province General Hospital.

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### C- 203 The Interferon-gamma Level in Nasopharyngeal Secretions of Infants with Bronchiolitis.

*Petrova G*<sup>1</sup>, Miteva S.<sup>1</sup>, Ivanova-Todorova E.<sup>2</sup>, Tumangelova-Yuzeir K.<sup>2</sup>, Yankova M.<sup>1</sup>  
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### C-226 Clinical Features and Outcomes in Pediatric Epyema: A Retrospective Cohort Study.

*Haggie S*<sup>1,2</sup>, Gunasekera H.<sup>2</sup>, Selvadurai H.<sup>1,2</sup>, Pandit C.<sup>1,2</sup>, Fitzgerald D.<sup>1,2</sup>  
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## 4. NON-INFECTIOUS RESPIRATORY DISORDERS

### D-26 Development of the Novel Classification and the Management Guideline of Congenital Cystic Lung Diseases.

*Kuroda T*<sup>1</sup>, Nishijima E.<sup>2</sup>, Fuchimoto Y.<sup>3</sup>, Nozawa K.<sup>4</sup>, Matsuoka K.<sup>5</sup>, Usui N.<sup>6</sup>  
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5. Pathology, Dokkyo University - Tochigi, Japan  
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### D-106 Congenital Laryngomalacia in Children: Clinical Characteristics and the Risk for Its Severity.

*Kim HY*, Jung S.  
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### D-109 High Amplitude Bubble Continuous Positive Airway Pressure Presents Better Lung Protection Than High Flow Nasal Cannula in Rats with Acute Lung Injury.

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**D-110 Clinical Characteristics of Nontraumatic Chylothorax in Pediatric Patients.**Shin SH.

Department of Pediatrics, Seoul National University College of Medicine, Seoul National University Children's Hospital - Seoul, South Korea

**D-145 What Kind of Abnormalities are the Characteristics of Lung Sounds of Congenital Tracheal Stenosis? - Our 10 Year Experience.**Funata K., Kobayashi H., Endo M., Higuchi M.

Pediatric Pulmonology, National Center for Child Health and Development - Tokyo, Japan

**D-160 Childhood Interstitial Lung Disease in Immunocompetent Children in Japan: Nine Years' Experience.**Tamai N.<sup>1</sup>, Koinuma G.<sup>1</sup>, Takase M.<sup>2</sup>

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**D-180 The Change of Lung Function in Bronchiolitis Obliterans Syndrome after Hematopoietic Stem Cell Transplant in Children.**Jung SS.<sup>1</sup>, Yoon HM.<sup>2</sup>, Yoon JS.<sup>3</sup>, Kim H.<sup>1</sup>, Koh KN.<sup>1</sup>, Im HJ.<sup>1</sup>, Yu JH.<sup>1</sup>

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**D-181 Clinical Outcomes of Lung Transplantation in Children: Single Center Study.**Yu JH.<sup>1</sup>, Jung SS.<sup>1</sup>, Yoon JS.<sup>2</sup>, Im HJ.<sup>1</sup>, Koh KN.<sup>1</sup>, Jhang WK.<sup>3</sup>, Park SJ.<sup>3</sup>, Lee JN.<sup>3</sup>, Hong SJ.<sup>3</sup>, Lee SO.<sup>4</sup>, Hong SB.<sup>5</sup>, Shim TS.<sup>5</sup>, Choi SH.<sup>6</sup>, Kim DK.<sup>6</sup>, Park SL.<sup>6</sup>

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**D-198 Effectiveness of Hypertonic Saline Nebulization Prior to Chest Physiotherapy in Non-Cystic Fibrosis Bronchiectasis - A RCT.**W.D.A Anuradha K.<sup>1</sup>, K.G Gunathilaka P.<sup>1</sup>, P Wickramasinghe V.<sup>2</sup>

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**5. FETAL AND NEONATAL RESPIRATORY DISORDERS****E-63 Short-Term Outcome in Extremely Preterm Infants Who Underwent the Automated Control of Inspired Oxygen Concentration.**Kanno M., Shimizu M.

Department of Neonatology, Saitama Children's Medical Center - Saitama, Japan

**E-71 Examination of Lung Function after very Low Birth Weight Prematurity, with Regard to the Cognitive Function.**Tálosi G.<sup>1</sup>, Lazics K.<sup>1</sup>, Őze A.<sup>2</sup>, Nagyné Eördegh G.<sup>2</sup>, Ábel Z.<sup>1</sup>, Hajnal I.<sup>1</sup>, Kelemen E.<sup>1</sup>

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**E-77 Prognosis Predictive Factors in Infants with Esophageal Atresia and Tracheoesophageal Fistula.**Chou CS.<sup>1</sup>, Soong WJ.<sup>2</sup>, Lee YS.<sup>2</sup>, Tsao PC.<sup>2</sup>, Chen WY.<sup>2</sup>, Chen SJ.<sup>3</sup>, Jeng MJ.<sup>4</sup>

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**E-103 Oxygenation and Mechanical Ventilation after Patent Ductus Arteriosus Closure in Preterms Less Than 1800gm: Comparison of Transcatheter and Surgery.**Wei YJ.<sup>1</sup>, Wang JN.<sup>1</sup>, Lin YC.<sup>1</sup>, Kan CD.<sup>2</sup>, Hsieh ML.<sup>1</sup>, Lin YJ.<sup>1</sup>, Wu JM.<sup>1</sup>

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**E-126 Current Pre- and Post-natal Management of Congenital Pulmonary Airway Malformations (CPAM) in Nordic Countries.**Nuutinen S.

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### **E-136 Urinary Gastrin Releasing Peptide in the First Week of Life Correlates with Development of Bronchopulmonary Dysplasia.**

Voynow JA<sup>1</sup>, Davis SD<sup>2</sup>, Fisher K<sup>3</sup>, Sunday M<sup>4</sup>, Cotten M<sup>3</sup>, Hamvas A<sup>5</sup>, Hendricks-Munoz K<sup>6</sup>, Poindexter B<sup>7</sup>, Pryhuber G<sup>8</sup>, Ren C<sup>9</sup>, Ryan R<sup>10</sup>, Sharp J<sup>11</sup>; Young S<sup>12</sup>, Greenberg R<sup>3</sup>, Herring A<sup>13</sup>

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### **E-147 Evaluation of Pharyngeal Pressure Provided by Two High-Flow Nasal Cannula Devices in Preterm Infants.**

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### **E-230 Are Neonatologist Adhering to Multi-Disciplinary Discharge Recommendations?**

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## **6. CYSTIC FIBROSIS**

### **F-34 Clinical Characteristics of Cystic Fibrosis in Japan.**

Fukazawa M<sup>1</sup>, Sato D<sup>2</sup>, Koga H<sup>1</sup>

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### **F-56 Decreased Pseudomonas aeruginosa Prevalence in Children after Separation of Pediatric from Adult Cystic Fibrosis Clinics.**

Demirel N<sup>1</sup>, Regelman W<sup>2</sup>, Wey A<sup>3</sup>, Gaillard P<sup>4</sup>, Barnes L<sup>5</sup>, Menk J<sup>6</sup>

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6. Biostatistical Design and Analysis Center, University of Minnesota - Minneapolis, USA

### **F-82 The Future Starts Today: An Update on The Role of Innovative Diagnostic and Therapeutic Approaches in Cystic Fibrosis.**

Arets HGM

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### **F-158 Agreement between Two Concomitant Sweat Conductivity Tests.**

Camargos P<sup>1</sup>, Nolasco D<sup>2</sup>, Sader O<sup>1</sup>, Bedran RM<sup>1</sup>, Alvim CG<sup>1</sup>, Alves Junior JV<sup>3</sup>, Pereira FH<sup>3</sup>

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### **F-204 Feasibility of Multiple Breath Washout in a Clinical Setting in Infants with Cystic Fibrosis.**

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### **F-212 Lung Ultrasound and Computed Tomography in Cystic Fibrosis Children - A Comparative Study.**

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2. Anatomy and Radiology Department, University of Medicine and Pharmacy Victor Babes - Timisoara, Romania

### **F-220 Diagnostic Value of Sputum Cultures in Children Under 2 Years of Age with Cystic Fibrosis and Other Chronic Productive Lung Diseases.**

Bar-On O<sup>1</sup>, Zaks-Hoffer G<sup>2</sup>, Mussaffi H<sup>1</sup>, Scheuerman O<sup>2</sup>, Mei-Zahav M<sup>11</sup>, Prais D<sup>1</sup>, Staffler P<sup>1</sup>, Steuer G<sup>1</sup>, Levine H<sup>1</sup>, Blau H<sup>1</sup>

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## **7. RESPIRATORY MANIFESTATIONS OF EXTRA-PULMONARY DISEASES (INCLUDING AIDS)**

### **G-67 Respiratory Disorders in Children with 22q Deletion Syndrome: A Retrospective Study.**

Renoux MC, Guionard C

Pediatric Pulmonology, University Hospital of Montpellier - Montpellier, France

### G-129 Long Term Follow-Up of Lung Function Testing in a Pediatric Cohort of Patients with Bronchiolitis Obliterans Syndrome after Stem Cell Transplantation.

Jerkic SP<sup>1</sup>, Walther S.<sup>1</sup>, Pommerening H.<sup>1</sup>, Jarisch A.<sup>2</sup>, Rettinger E.<sup>2</sup>, Soerenson J.<sup>2</sup>, Schubert R.<sup>1</sup>, Bader P.<sup>2</sup>, Zielen S.<sup>1</sup>

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### G-193 Impact of HIV and Antiretroviral Drug Exposure on Lung Growth and Function over 2 Years in an African Birth Cohort.

Gray DM<sup>1</sup>, Wedderburn C.<sup>2</sup>, MacGinty R.<sup>2</sup>, McMillan L.<sup>2</sup>, Jacobs C.<sup>2</sup>, Stadler JA.<sup>2</sup>, Hall GL.<sup>3</sup>, Zar HJ.<sup>1</sup>

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## 8. NEUROMUSCULAR AND CHEST WALL DISEASES (INCLUDING SIDS)

### H-192 Cardiac Volumes and Systolic Function Before and after Nuss Operation for Pectus Excavatum in Children.

Kao CC<sup>1</sup>, Hwang BT.<sup>2</sup>, Ko CH.<sup>1</sup>, Lu IH.<sup>3</sup>, Kuo MY.<sup>4</sup>

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## 9. EPIDEMIOLOGY, ENVIRONMENTAL RISKS, PREVENTION, SOCIO-ECONOMIC COST, PUBLIC HEALTH RESOURCES

### I-11 The Nationwide Survey of Mycoplasma Pneumoniae Infection in Children throughout Japan in Recent Ten Years.

Quchi K

Department of Pediatrics, Kawasaki Medical School - Kurashiki, Japan

### I-32 Effect of Multi-Ethnicity and Ancestry on Prevalence of Allergic Disease.

Kim JT, Kim HS.

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### I-51 Chronic Wet Cough in Aboriginal Children: When Is a Cough Not Just a Cough?

Laird P

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### I-58 Epidemiological Trends of Children Requiring ICU Care in Taiwan: A Retrospective Population-Based Analysis.

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### I-61 The Effect of Mechanical Air Purifier for Improving Allergic Symptom Scores of Allergic Children.

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### I-68 The Effects of Air Pollution and Meteorological Factors on Asthma Exacerbation in Taiwan: A Bi-Directional Case-Crossover Analysis Model.

Yu HR<sup>1</sup>, Tsai CM.<sup>1</sup>, Niu CK.<sup>1</sup>, Lee YC.<sup>1</sup>, Tsai TA.<sup>1</sup>, Tsai CK.<sup>1</sup>, Lin CH.<sup>2</sup>

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2. Computer Science and Engineering, National Sun Yat-sen University - Kaohsiung, Taiwan

### I-117 Identification of Criterion Values for Endotracheal Suctioning Using a Motion Capture System.

Osanai M<sup>1</sup>, Colley N.<sup>2</sup>, Komizunai S.<sup>3</sup>, Ninomiya S.<sup>4</sup>, Murata E.<sup>2</sup>, Mani H.<sup>2</sup>, Asaka T.<sup>2</sup>, Kanai S.<sup>3</sup>, Inoue S.<sup>5</sup>, Nakamura M.<sup>6</sup>, Konno A.<sup>3</sup>

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5. Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology - Fukuoka, Japan

6. Graduate School of Nursing, The Jikei University School of Medicine - Tokyo, Japan

### I-119 Learning Outcome Evaluation between 2D Video And 3D CG Animation Utilizing an Eye-Tracking Technology.

Manya R.<sup>1</sup>, Colley N.<sup>2</sup>, Komizunai S.<sup>3</sup>, Ninomiya S.<sup>4</sup>, Murata E.<sup>2</sup>, Mani H.<sup>2</sup>, Asaka T.<sup>2</sup>, Kanai S.<sup>3</sup>, Inoue S.<sup>5</sup>, Nakamura M.<sup>6</sup>, Konno A.<sup>3</sup>

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#### **I-120 Eye-tracking Technology for Skill Assessment of Endotracheal Suctioning between Expert Nurses and Nursing Students.**

Takeuchi Y.<sup>1</sup>, Colley N.<sup>2</sup>, Komizunai S.<sup>3</sup>, Ninomiya S.<sup>4</sup>, Murata E.<sup>2</sup>, Mani H.<sup>2</sup>, Asaka T.<sup>2</sup>, Kanai S.<sup>3</sup>, Inoue S.<sup>5</sup>, Nakamura M.<sup>6</sup>, Konno A.<sup>3</sup>,

1. Department of Health Sciences, Hokkaido University - Sapporo, Japan
2. Graduate of Health Sciences, Hokkaido University - Sapporo, Japan
3. School of Information Science and Technology, Hokkaido University - Sapporo, Japan
4. Course of Clinical Engineering, Hiroshima International University - Hiroshima, Japan
5. Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology - Fukuoka, Japan
6. Graduate School of Nursing, The Jikei University School of Medicine - Tokyo, Japan

#### **I-140 Clinical and Diagnostic Aspects of Prolonged and Chronic Cough in Children.**

Udal'tsova EV.<sup>1</sup>, Melnikova IM.<sup>1</sup>, Mizernitski YL.<sup>2</sup>

1. Department of Hospital Pediatrics, Yaroslavl State Medical University - Yaroslavl, Russia
2. Scientific-Research Clinical Institute of Pediatrics named after acad. Yu.E. Veltishchev, Russian Scientific-Research University of Medicine named after N. I. Pirogov - Moscow, Russia

#### **I-173 Effects of Environmental Tobacco Smoke Exposure on Urinary Cotinine Level and Lung Function Test in Children.**

Mahfuzh F.<sup>1</sup>, Kaswandani N.<sup>2</sup>, Dwi Susanto A.<sup>3</sup>, Kekalih A.<sup>4</sup>, Andarini SL.<sup>3</sup>

1. Pediatrics, Medical School, Universitas Indonesia, Persahabatan Hospital - Jakarta, Indonesia
2. Pediatrics, Medical School, Universitas Indonesia, Cipto Mangunkusumo Hospital - Jakarta, Indonesia
3. Pulmonology and Respiratory Medicine, Medical School, Universitas Indonesia, Persahabatan Hospital - Jakarta, Indonesia
4. Community Medicine, Medical School, Universitas Indonesia - Jakarta, Indonesia

#### **I-216 Early-life Exposure to Indoor Air Pollution or Environmental Tobacco Smoke: Impact on Lung Function in First 2-Yrs Of Life in an African Birth Cohort.**

Yanker A.<sup>1</sup>, Gray D.<sup>1</sup>, Turkovic L.<sup>2</sup>, MacGinty R.<sup>3</sup>, McMillan L.<sup>3</sup>, Jacobs C.<sup>3</sup>, Stadler JM.<sup>3</sup>, Sly PD.<sup>4</sup>, Hall GL.<sup>5</sup>, Zar HJ.<sup>1</sup>

1. Pediatrics and Child Health, Red Cross War Memorial Children's Hospital, University of Cape Town and SAMRC Unit on Child and Adolescent Health - Cape Town, South Africa
2. Telethon Kids Institute, Telethon Kid Institute - Perth, Australia
3. Paediatrics and Child Health, Red Cross War Memorial Children's Hospital, University of Cape Town - Cape Town, South Africa
4. Child Health Research Centre, University of Queensland - Brisbane, Australia
5. Telethon Kids Institute, School of Physiotherapy and Exercise Science, Curtin University, Centre for Child Health, University of Western Australia - Perth, Australia

#### **I-225 Burden of Severe Asthma in Children in the English Primary Care Setting.**

Lenney W.<sup>1</sup>, Hattori T.<sup>1</sup>, Gokhale M.<sup>2</sup>, Van Dyke M.<sup>2</sup>, Evitt L.<sup>3</sup>, Schultze A.<sup>4</sup>, Collins J.<sup>4</sup>, Nordstrom B.<sup>4</sup>

1. Global Medical, Glaxosmithkline - London, United Kingdom
2. Epidemiology, Global Medical, Glaxosmithkline - Collegeville, USA
3. Value Evidence Outcomes, Global Medical, Glaxosmithkline - London, United Kingdom
4. Real-World Evidence, Evidera - London, United Kingdom

#### **I-227 Increased Asthma Prevalence in children from 2000 to 2012 in Taiwan: A National Population-Based Study.**

Su YT, Tsai YC, Wu JR.

Department of Pediatrics, E-Da Hospital/I-Shou University, Kaohsiung, Taiwan

#### **I-229 Prevalence of Chronic Wet Cough and Protracted Bacterial Bronchitis in Aboriginal Children.**

Laird P.<sup>1,2,3</sup>, Walker R.<sup>2,3</sup>, Chang AB.<sup>4,5</sup>, Schultz A.<sup>1,2,3</sup>

1. Perth Children's Hospital
2. Telethon Kids Institute
3. University of Western Australia
4. Menzies School of Health Research, <sup>5</sup>Queensland Children's Hospital.

▶ 15:00 - 16:30

| ROOM A

**PLENARY SESSION****Chairpersons:****Amir Kugelman** Haifa, Israel**Eitan Kerem** Jerusalem, Israel**1. Bronchiectasis in the 21st Century: Diagnosis and Management.****Anne Chang** Brisbane, Australia**2. Comprehensive Management for Childhood Sleep Disordered Breathing.****Christian Guilleminault** Stanford, USA**3. Young Investigator's Oral Presentations:****I-162 - Clinical Characteristics and Etiologies of Bronchiectasis in Korean Children: A Multicenter Retrospective Study.****Eun Lee** Gwangju, South Korea**F-111 - Impact of Monitoring Lung Clearance Index as a Trigger for Bronchoalveolar Lavage and Treatment on Clinical Outcomes in Children with Cystic Fibrosis.****Christian Voldby** Copenhagen, Denmark

▶ 16:30 - 17:00

| EXHIBITION HALL

**COFFEE BREAK & EXHIBITION VISIT**

▶ 17:00 - 18:30

| ROOM A

**ASTHMA****Chairmen:****Yazan Said** Ammam, Jordan**Jin-Tack Kim** Seoul, South Korea**1. Acute Asthma Attacks: Etiology and Prevention.****James Gern** Madison, USA**2. Novel Biologics for Pediatric Asthma and Allergy.****Adnan Custovic** London, UK**3. Anticholinergic Treatment.****Giovanni Rossi** Genoa, Italy

► 17:00 - 18:30

| ROOM B

**CHALLENGING CASES****Format Organized by** Manuel Soto-Martinez San José, Costa Rica**Co-chairman:** Shigemi Yoshihara Mibu Tochigi, Japan**Case Reports Selected from Abstracts Submitted****N-87 Repetitive Respiratory Wheezing Due to Pulmonary Artery Sling.**

Chang Tai Yeh Kaohsiung, Taiwan

**N-122 Can Plumbing Be an Effective Solution for a Systemic Problem?**

Huda Mussaffi Petach Tikva, Israël

**N-186 Bronchiolitis Obliterans Organizing Pneumonia as The Initial Presentation of Systemic Lupus Erythematosus in Korean Adolescent.**

Soo Yeon Kim Seoul, Korea

**N-213 Chronic Hypoxemia and Recurrent Epistaxis:****Connecting the Dots.**

Diana Carolina Ortega-Saborio San José, Costa Rica

**With Panel Discussion****Manuel Soto-Martinez** San José, Costa Rica**Andrew Bush** London, UK**Andrew Colin** Miami, USA**Eitan Kerem** Jerusalem, Israel**Daniel Ng** Hong Kong, China**Bruce Rubin** Richmond, USA

► 17:00 - 18:30

| ROOM C

**CHRONIC COUGH****Chairpersons:****Zeinat Hijazi** Beirut, Lebanon**Hector Aranibar** Santiago, Chile**1. Diagnosis and Investigations.****Hiroyuki Mochizuki** Kanagawa, Japan**2. Novel Therapeutics.****Bruce Rubin** Richmond, USA**3. Algorithm for Management.****Anne Chang** Brisbane, Australia

► 20:00 - 23:00

| HOTEL THE MANHATTAN  
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**SATURDAY**

JUNE 29, 2019

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► 08:30 - 10:00

| ROOM A

**PLENARY SESSION****Chairmen:****Andrew Colin** Miami, USA**Gary Wong** Hong Kong, China**1. Vaccines to Prevent Childhood Pneumonia: Impact on Child Health.****Heather Zar** Cape Town, South Africa**2. Long-Term Ventilation at Home: When and How?****Daniel Ng** Hong Kong, China**3. Young Investigator's Oral Presentations:****D-38 - Correlation Between Body Mass Index and Optimal Continuous Positive Airway Pressure Level in Children with Obstructive Sleep Apnea.****Joelle Chong Hern Zi** Singapore, Singapore**E-36 - Pathophysiologic Effects of Intravenous Phosphodiesterase Inhibitor Type 4 Combined with Surfactant Lavage in Meconium-Injured Lungs.****WeiYu Chen** Taipei, Taiwan

► 10:00 - 10:30

| EXHIBITION HALL

**COFFEE BREAK & EXHIBITION VISIT**

► 10:30 - 12:00

| ROOM A

**CHRONIC SUPPURATIVE LUNG DISEASE AND PNEUMONIA****Chairpersons:****Hartmut Grasemann** Toronto, Canada**Indu Khosla** Mumbai, India**1. Pro/Con Debate: Protracted Bacterial Bronchitis - A Precursor to Bronchiectasis?****PRO Anne Chang** Brisbane, Australia**CON Andrew Bush** London, UK**2. Atypical Pneumonia: Etiology and Management.****Jung Yeon Shim** Seoul, South Korea

► 10:30 - 12:00

| ROOM B

**NEONATOLOGY FOR THE PEDIATRIC PULMONOLOGIST****Chairpersons:****Elianne Vrijlandt** Rotterdam, The Netherlands**Hajnalka Szabo** Szeged, Hungary**1. Aerodigestive Dysbiosis in Children****Leopoldo N. Segal** New York, USA**2. Imaging beyond BPD.****Paul Guillermin** Houston, USA**3. Neonatal Pulmonology - Year in Review.****Amir Kugelman** Haifa, Israel

▶ 10:30 - 12:00

| ROOM C

**INTERVENTIONAL BRONCHOSCOPY****Chairpersons:****Anne Goh** Singapore, Singapore**Alexander Tuazon** Manila - Philippines**1. Interventional Bronchoscopy.****Andrew Colin** Miami, USA**2. Bronchoscopy - Use of Stents.****Wen-Jue Soong** Taipei, Taiwan**3. Utility of Bronchoscopic Cryotherapy in Children.****Ashkan Moslehi** Shiraz, Iran

▶ 12:00 - 13:30

| ROOM A

**INDUSTRY SPONSORED SATELLITE SYMPOSIUM**

▶ 13:30 - 15:00

| POSTER AREA

**INTERACTIVE POSTER SESSION PART II****Chair, Abstract & Award Committee:****Manuel Soto-Martinez** San José, Costa Rica**10. INVESTIGATION AND DIAGNOSTIC TESTS****J-53 The Use of WristOx2 in the Diagnosis of Obstructive Sleep Apnea (OSA) in Children.**H'ng Shih Ying H.<sup>1</sup>, Anna M Nathan A.<sup>2</sup>, Jessie Anne deBruyne J.<sup>2</sup>, Eg Kah Peng E.<sup>2</sup>, Karuthan Chinna K.<sup>3</sup>, Surendran Thavagnanam S.<sup>4</sup>

1. Pediatrics, University of Malaya - Kuala Lumpur, Malaysia

2. University Malaya Pediatric and Child Health Research Group, University of Malaya - Kuala Lumpur, Malaysia

3. School of Medicine, Faculty of Health and Medical Science, Taylors University - Kuala Lumpur, Malaysia

4. Pediatrics, Royal London Hospital, Whitechapel - London, United Kingdom

**J-73 The Role of Lung Ultrasound in Etiologic Diagnosis of Acute Dyspnea at Children Hospital 1.**Phung NTN.<sup>1</sup>, Vo TTT.<sup>1</sup>, Hon KLE.<sup>2</sup>

1. Pediatric Department, Children Hospital, University of Medicine and Pharmacy - Ho Chi Minh City, Viet Nam

2. Department of Pediatrics, The Chinese University of Hong Kong - Hong Kong, China

**J-96 Comparison of Differential Cytology between Bronchoscopic Bronchoalveolar Lavage and Non-Bronchoscopic Bronchoalveolar Lavage in Healthy Children.**Su SC.<sup>1</sup>, Marchant JM.<sup>2</sup>, Anderson-James S.<sup>2</sup>, Masters IB.<sup>2</sup>, Chang AB.<sup>2</sup>

1. Pediatrics, Hospital Tengku Ampuan Rahimah - Klang, Malaysia

2. Dept. of Respiratory Medicine, Queensland Children's Hospital - Brisbane, Queensland, Australia

**J-99 Spirometry Assessment in Children with Congenital Heart Disease after Open Heart Surgery.**Lin CH., Chen CH., Hsiao TC., Chen JW.

Division of Pediatric Pulmonology, China Medical University Children's Hospital - Taichung, Taiwan

**J-115 To Squeeze or Not to Squeeze? Can the Raised - Volume Passive Expiration Flow-Volume Curve Be Used to Estimate Pulmonary Functions in Infants?**Hevroni A.<sup>1</sup>, Springer C.<sup>1</sup>, Lavie Y.<sup>2</sup>, Bay- Yishay E.<sup>3</sup>

1. Department of Pediatrics and Pediatric Pulmonology, Hadassah- Hebrew University Medical Center - Jerusalem, Israel

2. Department of Pediatrics, Kaplan Medical Center - Rehovot, Israel

3. Department of Respiratory Physiology, Ben Gurion University - Be'er Sheva, Israel

**J-157 Agreement between Tuberculin Skin Test and Interferon-Gamma Release Assay for the Diagnosis of Latent TB Infection among under Fifteen-Year-Olds.**Camargos P.<sup>1</sup>, Oliveira-Cortez A.<sup>2</sup>, Froede E.<sup>2</sup>, Melo AC.<sup>2</sup>, Sant'Anna CC.<sup>3</sup>, Pinto LA.<sup>4</sup>, Rocha EM.<sup>2</sup>, Oliveira CL.<sup>2</sup>

1. Pediatric Pulmonology Unit, University Hospital, Federal University of Minas Gerais - Belo Horizonte, Brazil

2. Post graduate Program in Health Sciences, Federal University of São João del-Rei - Divinópolis, Brazil

3. Dept of Pediatrics, Federal University of Rio de Janeiro - Rio de Janeiro, Brazil

4. Dept of Pediatrics, Pontifical Catholic University of Rio Grande do Sul, - Porto Alegre, Brazil

**J-159 Relationship between Malocclusion and Airway Volume of Children in The Mixed Dentition Period.**Inoue K.<sup>1</sup>, Hosokawa S.<sup>1</sup>, Sato N.<sup>1</sup>, Sakakibara M.<sup>1</sup>, Ohashi K.<sup>1</sup>, Sugiyama T.<sup>2</sup>

1. Pediatric Orthodontics, I Dental Clinic - Tokoname, Japan

2. Pediatrics, Ichinomiyanishi Hospital - Ichinomiya, Japan

**J-164 Profiles and Determinants of Nasal Microbiota in Healthy Chinese Toddlers.**Leung TF.<sup>1</sup>, van der Vossen J.<sup>2</sup>, Hon KL.<sup>1</sup>, Ulfman L.<sup>3</sup>, Cheng FW.<sup>4</sup>, van den Broek T.<sup>2</sup>, Tang MF.<sup>1</sup>, Tan-Khouw IM.<sup>5</sup>, Tsui SK.<sup>6</sup>, Bovee-Oudenhoven I.<sup>5</sup>

1. Department of Paediatrics, The Chinese University of Hong Kong - Hong Kong, China

2. Bioinformatics, TNO - Zeist, Netherlands

3. Nutrition Research, FrieslandCampina - Amersfoort, Netherlands

4. Department of Pediatrics, Prince of Wales Hospital - Hong Kong, China

5. Clinical Research, FrieslandCampina - Amersfoort, Netherlands

6. School of Biomedical Sciences, The Chinese University of Hong Kong - Hong Kong, China

**J-169 Fever Post Flexible Bronchoscopy – Finding the Usual Suspect.**Ashkenazi M., Efrati O., Kanteman I.

Pediatric Pulmonology, Edmond and Lilly Safra Children's Hospital - Ramat Gan, Israel

**J-196 Dynamic Four-Dimensional Computed Tomography Imaging Is Useful for the Diagnosis of Tracheobronchomalacia in Young Children.**Nishikido T., Matsumoto N., Urakami K., Yoshida Y.

Pediatric Pulmonology and Allergy, Osaka Women's and children's Hospital - Osaka, Japan

**J-207 Sonographic Characteristics of Consolidation in Children.**Tang CW.

Department of Pediatrics, An-Tai Medical Care Cooperation Antai Tien Shen Memorial Hospital - Pintong, Taiwan

**11. THERAPEUTIC PROCEDURES****K-50 Outcomes of Home Positive Airway Pressure (PAP) in Management of Obstructive Sleep Apnea in a Pediatric Unit in Hong Kong.**Leung TN.<sup>1</sup>, Tsui TK.<sup>2</sup>

1. Pediatrics and Adolescent Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong - Hong Kong, Hong-Kong

2. Pediatrics and Adolescent Medicine, Pamela Youde Nethersole Eastern Hospital - Hong Kong, Hong-Kong

**K-93 Implantation, Management and Long-Term Outcomes of Tracheobronchial Stent with Flexible Bronchoscopy in Infants < 5 Kg: A 14-Year Experience.**Hsieh KH.<sup>1</sup>, Soong WJ.<sup>2</sup>, Chou YL.<sup>1</sup>, Lee YS.<sup>3</sup>, Tsao PC.<sup>2</sup>

1. Pediatrics, Tri-Service General Hospital, National Defense Medical Center - Taipei, Taiwan

2. Pediatrics, Children's Hospital, China Medical University - Taichung, Taiwan

3. Pediatrics, Taipei Veterans General Hospital - Taipei, Taiwan

**K-97 Single Port Video-Assisted Thoracoscopic Surgery as an Option for Pediatric Primary Spontaneous Pneumothorax, a Single Center Experience.**Chen CH.<sup>1</sup>, Lin JH.<sup>1</sup>, Tseng TI.<sup>2</sup>, Huang FH.<sup>3</sup>, Lee CH.<sup>2</sup>

1. Department of Pediatric Pulmonology &amp; Critical Care Medicine, China Medical University Children's Hospital - Taichung City, Taiwan

2. Department of Pediatric Surgery, China Medical University Children's Hospital - Taichung City, Taiwan

3. Department of Pediatric Surgery, HsinChu Mackay Memorial Hospital - HsinChu City, Taiwan

**K-195 Endobronchial Foreign Body- An Important Cause of Respiratory Symptoms in Children and its Management by Flexible Bronchoscopy.**Tahura S.<sup>1</sup>, Kabir L.<sup>2</sup>, Molla A.<sup>3</sup>

1. Pediatric Respiratory Medicine, Bangladesh Institute of Child Health (BICH), Dhaka Shishu Children Hospital - Dhaka, Bangladesh

2. Pediatrics, Ad-Din Women Medical College - Dhaka, Bangladesh

3. Pediatrics, Ibrahim Medical College - Dhaka, Bangladesh

**12. CELLULAR AND MOLECULAR BIOLOGY****L-81 Role of Biomarker and Effect Of FIP-FVE in an Acute and Chronic Animal Asthma Model.**Lue KH.<sup>1</sup>, Pan HH.<sup>2</sup>, Sun HL.<sup>1</sup>, Lee YT.<sup>1</sup>

1. Department of Pediatrics, Institute of Allergy, Immunology, and Rheumatology, Chung Shan Medical University Hospital - Taichung, Taiwan

2. Institute of Medicine, Chung Shan Medical University - Taichung, Taiwan

**13. PEDIATRIC PULMONOLOGY IN DEVELOPING COUNTRIES (=12)****M-41 The Role of Lung Biopsy in Investigating Diffuse Lung Disease in Children in a Low Middle Income Setting.**Affendi NA.<sup>1</sup>, Zampoli M.<sup>1</sup>, Pillay K.<sup>2</sup>, Gray D.<sup>1</sup>, Vanker A.<sup>1</sup>

1. Division of Pediatric Pulmonology, Red Cross War Memorial Children's Hospital, Department of Pediatrics and Child Health and MRC Unit on Child and Adolescent Health, University of Cape Town and Ministry of Health Malaysia - Cape Town, South Africa

2. Division of Pathology, National Health Laboratory Services and University of Cape Town - Cape Town, South Africa

**M-43 Empyema Thoracis - An Evaluation of Practice in a Regional Tertiary Hospital in a Developing Country.**Nicholas Chang LW., Rus Anida A., Supriya KP.

Pediatric Pulmonology, Penang Hospital - Penang, Malaysia



**M-48 Correlation of Fingertip PPO versus Arterial O2 Saturation Result of Patients with Pneumonia Ages 2 Mos to 18 Y/O Seen at the ER of QCGH.**

Marquinez M.

Department of Pediatrics, Quezon City General Hospital & Medical Center - Quezon City, Philippines

**M-125 Prevalence of Zinc Deficiency and Effect of Zinc Supplementation on Prevention of Respiratory Infections in Preschool Children: An Observational Study.**

Khera D.<sup>1</sup>, Singh S.<sup>2</sup>, Purohit P.<sup>3</sup>, Sharma P.<sup>3</sup>, Singh K.<sup>1</sup>

1. Pediatrics, All India Institute of Medical Sciences - Jodhpur, India

2. Pharmacology, All India Institute of Medical Sciences - Jodhpur, India

3. Biochemistry, All India Institute of Medical Sciences - Jodhpur, India

**M-151 Acute Respiratory Distress Syndrome in Pediatric Septic Shock.**

Phung NTN.<sup>1</sup>, Hon KLE.<sup>2</sup>

1. PICU, Children's Hospital 1 - Ho Chi Minh City, Viet Nam

2. Department of Pediatrics, The Chinese University of Hong Kong - Hong Kong, China

**M-156 Pediatric Flexible Bronchoscopy at the Harapan Kita Women and Children Hospital: A Single Center 6-Years' Experience.**

Fauzie R.<sup>1</sup>, Saputro DD.<sup>1</sup>, Widyarningsih R.<sup>1</sup>, Melinda N. Nataprawira H.<sup>2</sup>

1. Respiratory Division, Pediatric Department, Harapan Kita Women and Children Hospital - Jakarta, Indonesia

2. Pediatric Respiratory Division, Department of Child Health, Hasan Sadikin Hospital, Universitas Padjajaran - Bandung, Indonesia

**M-170 Sociodemographic Features and Diagnosis of Tuberculosis in Nigerian Children.**

Oloyede JP.<sup>1,4</sup>, Inah GB.<sup>2</sup>, Bassey DE.<sup>2</sup>, Ekanem EE.<sup>3</sup>, Belgrave D.<sup>4</sup>, Gore C.<sup>5</sup>, Murray C.<sup>6</sup>, Simpson A.<sup>6</sup>, Custovic A.<sup>5</sup>

1. Pediatrics, University of Uyo Teaching Hospital - Uyo, Nigeria

2. Radiology, Department of Radiology, University of Calabar Teaching Hospital - Calabar, Nigeria

3. Department of Pediatrics University of Calabar And University of Calabar Teaching Hospital - Calabar, Nigeria

4. Medical statistics, Imperial College - London, United Kingdom

5. Department of Pediatrics, Imperial College - London, United Kingdom

6. Institute of Inflammation and Repair, University of Manchester - Manchester, United Kingdom

**M-185 Characteristics of Community-Acquired Pneumonia in Children: Experience from a Tertiary Unit in a Lower Middle-Income Country.**

Kudagammana ST.<sup>1</sup>, Kudagammana WS.<sup>2</sup>, Munasinghe T.<sup>1</sup>, Karunaratne R.<sup>1</sup>

1. Department of Pediatrics, University of Peradeniya - Peradeniya, Kandy, Sri Lanka

2. Medical Laboratory Science, University of Peradeniya - Peradeniya, Sri Lanka

**M-190 Association between Early Hospitalization Due to Human Metapneumovirus Infection and Asthma Symptoms during School Age in Costa Rica.**

Leis-Chanto A.<sup>1</sup>, Quesada-Vargas M.<sup>1</sup>, Loría-Chavarría G.<sup>2</sup>, Alfaro W.<sup>3</sup>, Soto-Martínez ME.<sup>2</sup>

1. Pediatrics, Hospital Nacional De Niños - San Jose, Costa Rica

2. Pediatrics and Respiratory Medicine, Hospital Nacional de Niños - San Jose, Costa Rica

3. Division of Immunology and Viral Diagnosis, Hospital Nacional de Niños - San José, Costa Rica

**M-214 Etio-Clinical Profile of Recurrent and Persistent Pneumonia in Children.**

Rahman S., Ruhul A., Molla A., Kabir L.

Pediatric Respiratory Medicine, Dhaka Shishu Hospital - Dhaka, Bangladesh

**M-228 Association of Procalcitonin, CRP, ESR And CBC with the Severity of Pediatric Pneumonia in a Tertiary Hospital.**

Fontelera KC.<sup>1</sup>, Anchores N.<sup>1,2</sup>, Teves J.<sup>1,2,3</sup>, Yason A.<sup>1</sup>, Abuel M.<sup>1,3</sup>

1. Department of Pediatrics, Medical Center Muntinlupa, #38 National Road - Muntinlupa City, Philippines

2. Department of Pediatrics, University of Perpetual Help System DALTA, Alabang-Zapote rd, Almanza uno - Las Pinas, Philippines

3. Department of Pediatrics, Asian Hospital and Medical Center. 2205 Civic Dr, Alabang, Muntinlupa, 1780 Metro - Manila, Philippines

## 14. CLINICAL CASES

**O-5 Resolution of Periodic Breathing in a Child with Idiopathic Pulmonary Arterial Hypertension.**

Bin-Hasan S.<sup>1</sup>, Khayat A.<sup>2</sup>, Humpal T.<sup>3</sup>, Al-Saleh S.<sup>2</sup>

1. Pediatric Respiriology, Farwaniya Hospital - Kuwait, Kuwait

2. Pediatric Respiriology, The Hospital for Sick Children - Toronto, Canada

3. Pediatric Cardiology, The Hospital for Sick Children - Toronto, Canada

**O-21 Esophageal Duplication Cyst Presenting with Stridor in a Child with Congenital Pulmonary Airway Malformation: A Rare Case Report.**

Lin CH.<sup>1</sup>, Chen CH.<sup>1</sup>, Sun CF.<sup>2</sup>

1. Division of Pediatric Pulmonology, China Medical University Children's Hospital - Taichung, Taiwan

2. College of Medicine, China Medical University - Taichung, Taiwan

**O-23 Suppurative Chronic Bronchitis in a Child Revealing Stat1 Heterozygous Gain of Function.**

Guionard C., Renoux MC.

Pediatric Pulmonology Unit, University Hospital of Montpellier- Montpellier, France

**O-28 Tuberculosis in Children Presenting with Chylothorax.**

Ayuk AC.<sup>1</sup>, Gray D.<sup>2</sup>, Vanker A.<sup>2</sup>, Zampoli M.<sup>2</sup>

1. Pediatrics, Red Cross Children Hospital - Capetown, South Africa

2. Division of Paediatric Pulmonology, Department of Paediatrics and Child Health and Medical Research Council Unit on Child and Adolescent Health, University of Cape Town - Cape Town, South Africa

**0-40 Two Pediatric Cases of *Pneumocystis jirovecii* Pneumonia Diagnosed by Polymerase Chain Reaction (PCR) of Gastric Lavage.**

Takei H.<sup>1</sup>, Ishiwada N.<sup>2</sup>, Hishiki H.<sup>1</sup>, Takeshita K.<sup>1</sup>, Naito S.<sup>1</sup>, Endo M.<sup>1</sup>, Shimojo N.<sup>1</sup>

1. Pediatrics, Chiba University Graduate School of Medicine - Chiba, Japan

2. Department of Infectious Diseases, Medical Mycology Research Center, Chiba University - Chiba, Japan

**0-44 Oesophageal Lung - A Rare Cause of Recurrent Pneumonia in Children.**

Nicholas Chang LW.<sup>1</sup>, Rus Anida A.<sup>1</sup>, Pon KM.<sup>2</sup>, Mohammad Tamim J.<sup>3</sup>, Zakaria Z.<sup>4</sup>, Che Zubaidah CD.<sup>5</sup>

1. Pediatric Pulmonology, Penang Hospital - Penang, Malaysia

2. Pediatric Intensive Care, Penang Hospital - Penang, Malaysia

3. Pediatric Cardiology, Penang Hospital - Penang, Malaysia

4. Pediatric Surgery, Kuala Lumpur Hospital - Kuala Lumpur, Malaysia

5. Pediatric Radiology Unit, Kuala Lumpur Hospital - Kuala Lumpur, Malaysia

**0-62 Early Diagnosis of Infantile Laryngeal Cyst by Flexible Bronchoscopy.**

Tsai TA., Tsai CK., Lee YC., Liu TY., Tsai CM., Niu CK., Yu HR.

Pediatrics, Chang Gung Memorial Hospital - Kaohsiung Medical Center - Kaohsiung, Taiwan

**0-74 Severe Obstructive Sleep Apnea Caused by Lingual Tonsil Hypertrophy after Adenotonsillectomy in a 2-Year-Old Girl with Nemaline Myopathy.**

Higuchi O.<sup>1</sup>, Kubota H.<sup>1</sup>, Nanbu R.<sup>2</sup>, Hirai N.<sup>2</sup>, Nishimura T.<sup>2</sup>

1. Pediatrics, Kouseiren Takaoka Hospital - Takaoka, Japan

2. Otolaryngology, Kouseiren Takaoka Hospital - Takaoka, Japan

**0-75 Lipoblastoma: A Rare Cause of Acute Mediastinal Syndrome.**

Wang YH., Chen IC., Dai ZK., Hsu JH., Liu YC.

Department of Pediatrics, Kaohsiung Medical University Hospital, Kaohsiung Medical University - Kaohsiung, Taiwan

**0-87 Repetitive Respiratory Wheezing Due to Pulmonary Artery Sling.**

Yeh CT.

Department of Pediatrics, Kaohsiung Medical University Hospital, Kaohsiung Medical University - Kaohsiung, Taiwan

**0-88 Intra-tracheal Mesenchymal Stem Cell Therapy in an ARDS Patient with Juvenile Myelomonocytic Leukemia Supported by ECMO.**

Chen YH., Tan g YH., Chen WY., Yen HJ., Tsao PC., Yu TY., Lee YS., Jeng MJ., Soong WJ.

Department of Pediatrics, Taipei Veterans General Hospital - Taipei, Taiwan

**0-94 A Life-Threatened Congenital Pulmonary Airway Malformation in a Very Low Birth Weight Premature with Giant Patent Ductus Arteriosus.**

Wu JR.<sup>1</sup>, Yang YN.<sup>1</sup>, Ko P.J.<sup>2</sup>, Tsai YC.<sup>1</sup>, Su YT.<sup>1</sup>

1. Department of Pediatrics, E-Da Hospital, I-Shou University - Kaohsiung, Taiwan

2. Department of Pediatric Surgery, E-Da Hospital, I-Shou University - Kaohsiung, Taiwan

**0-104 Tracheal Agenesis with Esophagobronchial Fistula: Fatal Congenital Anomalies and Challenging Intensive Care.**

Chen SJ.<sup>1</sup>, Soong WJ.<sup>2</sup>, Jeng MJ.<sup>2</sup>, Yeh YT.<sup>3</sup>

1. Institute of Emergency and Critical Care Medicine, School of Medicine, National Yang-Ming University - Taipei, Taiwan

2. Department of Pediatrics, Taipei Veterans General Hospital - Taipei, Taiwan

3. Division of Pediatric Surgery, Department of Surgery, Taipei Veterans General Hospital - Taipei, Taiwan

**0-108 Surfactant Deficiency in a Late Preterm Neonate: A Rare Presentation.**

Lin FC.<sup>1</sup>, Wang SP.<sup>1</sup>, Wang CS.<sup>2</sup>, Nong BR.<sup>1</sup>

1. Department of Pediatrics, Kaohsiung Veterans General Hospital - Kaohsiung, Taiwan

2. Department of Pathology, Kaohsiung Veterans General Hospital - Kaohsiung, Taiwan

**0-122 Can Plumbing Be an Effective Solution for a Systemic Problem?**

Mussaffi H.<sup>1</sup>, Stafler P.<sup>1</sup>, Prais D.<sup>1</sup>, Blau H.<sup>1</sup>, Rothstein A.<sup>2</sup>, Lakovsky Y.<sup>3</sup>, Bruchheimer E.<sup>2</sup>, Itkin M.<sup>4</sup>

1. Pulmonary Institute, Schneider Children's Medical Center of Israel & Sackler Faculty of Medicine, Tel-Aviv University - Petach Tikva, Israel

2. Cardiology Institute, Schneider Children's Medical Center of Israel & Sackler Faculty of Medicine, Tel-Aviv University - Petach Tikva, Israel

3. Radiology Institute, Schneider Children's Medical Center of Israel & Sackler Faculty of Medicine, Tel-Aviv University - Petach Tikva, Israel

4. Radiology Department, Hospital of the University of Pennsylvania - Philadelphia, USA

**0-127 Endobronchial Carcinoid Tumor: A Pediatric Case. Concepcion, Chile.**

Soto Lavin S.<sup>1</sup>, Silva N.<sup>2</sup>, Cea R.<sup>3</sup>, Spencer ML.<sup>4</sup>, Yevenes J.<sup>5</sup>

1. Pediatric Pulmonology unit, Hospital Regional - Concepcion, Chile

2. Pediatric dept, UdeC - Concepcion, Chile

3. Medicine Faculty, Universidad de Concepcion - Concepcion, Chile

4. Pathology, Hospital Regional - Concepcion, Chile

5. Pediatric Surgery, Hospital Regional - Concepcion, Chile

**0-128 Chronic Arsenic Poisoning Presenting with Widespread Bronchiectasis - A Case Report.**

Tuazon A. Francisco J., Garcia R., Ramos M., Ramolette J.

Pediatric Pulmonology, Philippine General Hospital - Manila, Philippines

**0-131 ABO-incompatible Lung Transplantation in Infants with Surfactant Protein Deficiencies.**

Solomon M.<sup>1</sup>, De Perrot M.<sup>2</sup>, Keshavjee S.<sup>2</sup>, Grasemann H.<sup>1</sup>

1. Respiratory Medicine, Hospital for Sick Children - Toronto, Canada

2. Thoracic Surgery, Lung Transplant Program, University Health Network - Toronto, Canada

**0-149 A Case of Obstructive Sleep Apnea Successfully Treated with Rapid Maxillary Expansion.**

Nakajima T.<sup>1</sup>, Nakajima N.<sup>1</sup>, Kikuchi S.<sup>1</sup>, Iwa Moto A.<sup>1</sup>, Sugiyama T.<sup>2</sup>

1. Department of Orthodontic Sciences, Nakajima Dental Office - Hirakata Osaka, Japan

2. Department of Pediatrics, Ichinomiyanishi Hospital - Ichinomiya Aichi, Japan

**0-150 Gorham-Stout Disease - Two Case Reports.**

Mohammad N.<sup>1</sup>, Che Daud CZ.<sup>2</sup>, Zainuddin H.<sup>1</sup>, Kassim A.<sup>1</sup>, Kunaseelan S.<sup>1</sup>

1. Department of Pediatrics, Hospital Kuala Lumpur - Kuala Lumpur, Malaysia

2. Department of Radiology, Hospital Kuala Lumpur - Kuala Lumpur, Malaysia

**0-152 High-frequency Oscillatory Ventilation in Treating Severe Pediatric ARDS Caused by Pneumocystis jiroveci Pneumonia and Multiple Viral Infections.**

Sung TH.<sup>1</sup>, Lo YC.<sup>1</sup>, Tang YH.<sup>1</sup>, Chen WY.<sup>1</sup>, Tsao PC.<sup>1</sup>, Lee YS.<sup>1</sup>, Jeng MJ.<sup>2</sup>

1. Department of Pediatrics, Taipei Veterans General Hospital - Taipei, Taiwan

2. Institute of Emergency and Critical Care Medicine, National Yang-Ming University - Taipei, Taiwan

**0-163 Successful Thrombolysis of Neonatal Pulmonary Artery Thrombosis.**

Asherova-Jushkova DV.<sup>1</sup>, Chaparova TV.<sup>1</sup>, Ljasthenko AY.<sup>1</sup>, Badanina BY.<sup>1</sup>, Belosjorova LV.<sup>1</sup>, Asherova I.<sup>2</sup>

1. NICU, Regional Perinatal Center - Yaroslavl, Russia

2. Pulmonology, Children Clinical Hospital 1 - Yaroslavl, Russia

**0-168 Treatment of Recurrent Respiratory Papillomatosis - Pediatric Case Report.**

Minic P.<sup>1</sup>, Subarevic V.<sup>2</sup>, Bokanjic D.<sup>3</sup>, Stankovic K.<sup>2</sup>

1. Pediatric Pulmonology, Institute for Mother Care - Belgrade, Serbia

2. Otorhinolaryngology, Institute for Child and Mother Care Belgrade - Belgrade, Serbia

3. Department of Pediatrics, University clinical hospital - Foca, Bosnia-Herzegovina

**0-171 Clinical Presentation and Management of Pediatric Parapneumonic Pleural Effusion in Limited Resources Country: A Case Series**

Firdayanti V., Olivianto E., Fahrul Udin M., HMS Chandra Kusuma H.

Department of Pediatrics, Saiful Anwar General Hospital / Universitas Brawijaya - Malang, Indonesia

**0-182 Pulmonary Artery Pseudoaneurysm in Pediatric Infective Lung Diseases – A Case Report.**

Eg KP.<sup>1</sup>, E HC.<sup>1</sup>, Nathan AM.<sup>1</sup>, Thavagnanam S.<sup>1</sup>, Tubirin SH.<sup>1</sup>, De Bruyne JA.<sup>1</sup>, Koh MT.<sup>1</sup>, Abdullah BJ.<sup>2</sup>

1. Pediatrics, University of Malaya Medical Centre - Kuala Lumpur, Malaysia

2. Biomedical Imaging, University of Malaya Medical Centre - Kuala Lumpur, Malaysia

**0-183 Middle Aortic Syndrome Presenting as Pulmonary Edema, 3-Month-Old Boy: Case Report.**

Ikeyama S., Kawabe T., Monoi A., Yokoyama S., Takahashi K., Yokoyama Y.

Pediatrics, Oume Municipal General Hospital - Tokyo, Japan

**0-184 Primary Empyema Due to Streptococcus Mitis Infection: A Common Disease by an Unusual Etiology.**

Morales D.<sup>1</sup>, Loria-Chavarria G.<sup>2</sup>, Solís-Moya A.<sup>2</sup>, Soto-Martínez ME.<sup>2</sup>, Camacho-Badilla K.<sup>3</sup>

1. Department of Pediatrics, Hospital Nacional de Niños - San José, Costa Rica

2. Department of Respiratory Medicine, Hospital Nacional de Niños - San José, Costa Rica

3. Department of Infectious Diseases, Hospital Nacional de Niños - San José, Costa Rica

**0-186 Bronchiolitis Obliterans Organizing Pneumonia as the Initial Presentation of Systemic Lupus Erythematosus in a Korean Adolescent.**

Kang SY.<sup>1</sup>, Kim SY.<sup>1</sup>, Choi SH.<sup>1</sup>, Sol IS.<sup>1</sup>, Kim YH.<sup>1</sup>, Kim KW.<sup>1</sup>, Sohn MH.<sup>1</sup>, Kim KE.<sup>2</sup>

1. Department of Pediatrics, Yonsei University College of Medicine - Seoul, South Korea

2. Department of Pediatrics, Sowha Children's Hospital - Seoul, South Korea

**0-194 Cutis Laxa: A Case Report.**

Sofiah F., Yangtjik K., Aruf A.

Department of Child Health Medical School, Sriwijaya University, Dr. Mohammad Hoesin Hospital - Palembang, Indonesia

**0-197 Non-Invasive Mechanical Ventilation for Bronchopulmonary Dysplasia Infant with Ventilator Dependency Undergoing Magnetic Resonance Imaging.**

Mu SC.<sup>1</sup>, Chao KY.<sup>2</sup>, Chiang CE.<sup>2</sup>, Chen YL.<sup>1</sup>, Tsai LY.<sup>1</sup>, Chien YH.<sup>1</sup>

1. Department of Pediatrics, Shin Kong Wu Ho-Su Memorial Hospital - Taipei, Taiwan

2. Department of Respiratory Therapy, Fu Jen Catholic University Hospital - New Taipei City, Taiwan

**0-213 Chronic Hypoxemia and Recurrent Epistaxis: Connecting the Dots.**

Ortega-Saborio DC.<sup>1</sup>, Loria-Chavarria G.<sup>2</sup>, Solís-Moya A.<sup>2</sup>, Soto-Martínez ME.<sup>2</sup>, Mas-Romero C.<sup>3</sup>, Campos-Alfaro F.<sup>4</sup>, Vargas-Siverio M.<sup>4</sup>

1. Department of Pediatrics, Hospital Nacional de Niños - San Jose, Costa Rica

2. Division of Respiratory Medicine, Hospital Nacional de Niños - San Jose, Costa Rica

3. Department of Cardiology, Hospital Nacional De Niños - San José, Costa Rica

4. Department of Thoracic Surgery, Hospital Nacional De Niños - San José, Costa Rica

**0-218 Fever, Cough and Tachycardia in a CF Toddler.**

Ciuca IM.<sup>1</sup>, Pop LL.<sup>1</sup>, Margau E.<sup>2</sup>, Dediu M.<sup>1</sup>

1. Pediatric Department, University of Medicine and Pharmacy Victor Babes - Timisoara, Romania

2. Pediatric Pulmonology Department, Clinical County Hospital - Timisoara, Romania

**15. MISCELLANEOUS****N-1 Management of Home Emergencies for Children on Home Mechanical Ventilation (HMV)**

Kun SS., Ward SL., Keens TG.

Pediatric Pulmonology, Children's Hospital of Los Angeles - Los Angeles, California, USA

**N-2 Curriculum Development and Training of Pediatric Home Mechanical Ventilation Emergencies for Home Care Providers.**Kun SS, Ward SL., Keens TG.

Pediatric Pulmonology, Children's Hospital of Los Angeles - Los Angeles, California, USA

**N-6 The Prevalence of Obstructive Sleep Apnea among Obese Toddlers and Preschool Children.**Bin-Hasan S<sup>1</sup>, Al-Saleh S.<sup>2</sup>, Narang I.<sup>2</sup>

1. Pediatric Respiriology, Farwaniya Hospital - Kuwait, Kuwait

2. Pediatric Respiriology, The Hospital for Sick Children - Toronto, Canada

**N-29 To Compare the Efficacy of Nebulized Salbutamol and Nebulized Adrenaline and any Added Advantage of Nebulized Hypertonic Saline in Bronchiolitis.**Kumar Shambhu Nath

Department of Pediatrics, Katihar Medical College - Katihar, India

**N-52 Lung Function Decline in Primary Ciliary Dyskinesia.**Grosse-Onnebrink J, Johanna J., Omran H.

General Pediatric Department, University Children's Hospital Muenster - Muenster, Germany

**N-66 Endothelial Dysfunction in Children with Obstructive Sleep Apnea Syndrome.**Xu ZF<sup>1</sup>, Zhang FJ.<sup>2</sup>, Feng GS.<sup>3</sup>, Wu YX.<sup>4</sup>, Ni X.<sup>4</sup>

1. Respiratory, Beijing Children's Hospital, Capital Medical University - Beijing, China

2. Center for Clinical Epidemiology Evidence-based Medicine, Beijing Children's Hospital - Beijing, China

3. Research center for big data and engineering, Beijing Children's Hospital - Beijing, China

4. Otorhinolaryngology Head and Neck Surgery Department, Beijing Children's Hospital - Beijing, China

**N-101 The Study of Therapeutic Strategy for Eisenmenger Syndrome.**Dai ZK, Liu IC., Chen IC., Hsu JH.

Pediatrics, Kaohsiung Medical University Hospital - Kaohsiung, Taiwan

**N-112 Influence of The Position on the in vitro Performances of a New Spacer for Pediatric Use in a Mechanical Ventilation Circuit.**Eckes M., Porée T.

R&amp;D, Laboratoire OptimHal - Valognes, France

**N-113 Analysis of the Impact of a Specially Designed Annubar probe (digithal®) Inserted into a VHC, Using IVIVC Testing Systems.**Curran E., Kazmierczak J., Porée T.

R&amp;D, Laboratoire ProtecSom/OptimHal - Valognes, France

**N-114 Functional Analysis of Several Valved Holding Chamber Inspiratory Valves.**Curran E., Kazmierczak J., Porée T.

R&amp;D, Laboratoire ProtecSom/OptimHal - Valognes, France

**N-116 Effective Motion of Endotracheal Suctioning Catheter and Viscosity of Secretion.**Asakawa M<sup>1</sup>, Colley N.<sup>2</sup>, Komizunai S.<sup>3</sup>, Konno A.<sup>3</sup>, Murata E.<sup>2</sup>, Mani H.<sup>2</sup>, Kanai S.<sup>3</sup>, Asaka T.<sup>2</sup>, Nakamura M.<sup>4</sup>, Inoue S.<sup>5</sup>, Ninomiya S.<sup>6</sup>

1. Department of Health Sciences, Hokkaido University - Sapporo, Japan

2. Faculty of Health Sciences, Hokkaido University - Sapporo, Japan

3. School of Information Science and Technology, Hokkaido University - Sapporo, Japan

4. School of Nursing, The Jikei University School of Medicine - Tokyo, Japan

5. Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology - Fukuoka, Japan

6. Course of Clinical Engineering, Hiroshima International University - Hiroshima, Japan

**N-135 Prognostic Factors of ICU Mortality in Pediatric Hemato-Oncology Patients with Pulmonary Complications.**Kim KH, Kim SK., Lee JW., Yoon JS., Chung NG., Cho B.

Department of Pediatrics, College of Medicine, The Catholic University of Korea - Seoul, South Korea

**N-167 The Clinical Implication of Respiratory Syncytial Virus Infection in Children with Congenital Heart Disease with Lower Airway Anomalies.**Wang CC<sup>1</sup>, Tseng WC.<sup>2</sup>, Wu ET.<sup>1</sup>, Wu MH.<sup>1</sup>, Wang JK.<sup>1</sup>, Yen TA.<sup>1</sup>, Lu L.<sup>1</sup>, Chiu SN.<sup>1</sup>

1. Pediatrics, National Taiwan University Children's Hospital - Taipei, Taiwan

2. Emergency, National Taiwan University Hospital - Taipei, Taiwan

► 15:00 - 16:30

| ROOM A

**PLENARY SESSION****Chairmen:****Bruce Rubin** Richmond, USA**Adnan Custovic** London, UK**1. Management of Preschool Wheeze.****Andrew Bush** London, UK**2. Tissue Engineering - State of the Art.****Teruo Okano** Tokyo, Japan\***3. Young Investigator's Oral Presentations:****J-124 - The Yield of AFB Smear and TB Culture in the Diagnosis of Childhood TB Using Sputum Induction with N-acetylcysteine: A Randomized Controlled Trial.****Florence Binua** Manila, Philippines**O-45 - Artificial Intelligence Enabled Acoustic Analysis Technology for Accurate Detection and Interpretation of Sounds in Children.****ZaiRu Cheng** Singapore, Singapore

► 16:30 - 17:00

| EXHIBITION HALL

**COFFEE BREAK & EXHIBITION VISIT**

► 17:00 - 18:30

| ROOM A

**ASTHMA AND PRESCHOOL WHEEZING DISORDERS - UPDATE****Chairpersons:****Hector Aranibar** Santiago, Chile**Indu Khosla** Mumbai, India**1. Difficult to Treat Asthma.****Sejal Saglani** London, UK**2. Lung Trajectories from Childhood to Adulthood: Determinants and Intervention Strategies.****Fernando Martinez** Tucson, USA**3. Rural Function Against Asthma - Insight for Primary Prevention.****Gary Wong** Hong Kong, China

► 17:00 - 18:30

| ROOM B



## NEONATAL PULMONOLOGY

### Chairpersons:

**Hajnalka Szabo** Szeged, Hungary

**Dung Nguyen** Hanoi, Vietnam

#### 1. Non-invasive Ventilation in the NICU.

**Amir Kugelman** Haifa, Israel

#### 2. Sleep Disordered Breathing in ex-Premies.

**Stijn Verhulst** Antwerp, Belgium

#### 3. Long-term Respiratory Outcome of Premature Infants.

**Renato Stein** Porto Alegre, Brazil

► 17:00 - 18:30

| ROOM C



## ENVIRONMENT AND LUNG HEALTH

### Chairmen:

**Alexander Schulze-Berge** Burden, Luxemburg

**Yuichi Adachi** Toyama, Japan

#### 1. Indoor Air Pollution and Lung Health in LMIC.

**Heather Zar** Cape Town, South Africa

#### 2. Strategies to Minimize the Effects of Air Pollution on Respiratory Health.

**Manuel Soto-Martinez** San José, Costa Rica

#### 3. Environmental Impact on Asthma.

**James Gern** Madison, USA

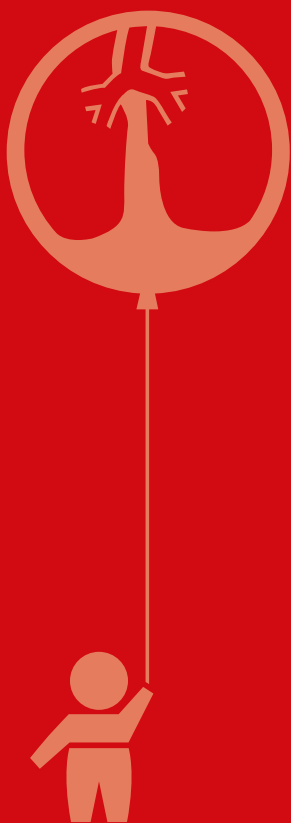
> 20:00 - 24:00

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## YOUNG INVESTIGATOR'S AWARD CEREMONY AND GALA DINNER

**SUNDAY**  
JUNE 30, 2019

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► 08:30 - 10:00

| ROOM A

**PLENARY SESSION****Chairmen:****Giovanni Rossi** Genoa, Italy**Sejal Saglani** London, UK**1. Gene-Environment Interactions at the Beginning of Asthma.****Fernando Martinez** Tucson, USA**2. The New Respiratory Multidisciplinary Team: Bioengineers, Data Analyst and Clinicians.****Adnan Custovic** London, UK**3. Oral Presentations of Best Abstracts  
(not from Young Investigators):****A-165 - Polymorphic Markers of CDHR3 are Associated with  
Preschool Wheeze and Forced Expiratory Indices.****Ting Fan Leung** Hong Kong, China**E-136 Urinary Gastrin Releasing Peptide in the First Week of Life  
Correlates with Development of Bronchopulmonary Dysplasia.****Judith Voynow** Richmond, USA

► 10:00 - 10:30

| EXHIBITION HALL

**COFFEE BREAK & EXHIBITION VISIT**

► 10:30 - 12:00

| ROOM A

**TECHNOLOGY ADVANCES IN MANAGEMENT OF LUNG  
DISEASE****Chairmen:****Elianne Vrijlandt** Groningen, The Netherlands**Takao Fujisawa** Tsu Mie, Japan**1. Non-invasive Assessment of Airway Inflammation and Infection.****Sejal Saglani** London, UK**2. Will Long Distance and Remote Assessment ever Work?****Gary Wong** Hong Kong, China**3. Cardiopulmonary Exercise Test in Children.****Daniel Ng** Hong Kong, China



► 10:30 - 12:00

| ROOM B

**CONGENITAL CENTRAL HYPOVENTILATION SYNDROME:  
FAMILY AND PHYSICIANS PERSPECTIVE****Chairmen:****Hisaya Hasegawa** Tokyo, Japan**Jean-Paul Praud** Sherbrooke, Canada**1. Genetic Duagnosis and Characteristics in Japan.****Ayako Sasaki** Yamagata, Japan**2. CCHS Respiratory Dock - Comprehensive Medical Check-up.****Yosuke Yamada** Tokyo, Japan**3. The Family Perspective.****Kenshin Nawa** Tokyo, Japan

► 10:30 - 12:00

| ROOM C

**PEARLS****Chairpersons:****Nural Kiper** Ankara, Turkey**Akihiro Morikawa** Gunma, Japan**1. Antibiotic Resistance Overcoming the Challenge.****Kunling Shen** Beijing, China**2. CF Treatment State of the Art.****Eitan Kerem** Jerusalem, Israel**3. Treatment of Bronchiolitis - Update.****Renato Stein** Porto Alegre, Brazil

► 12:00 - 14:00

| ROOM A

**APPS SESSION: CYSTIC FIBROSIS IN ASIA  
TODAY & TOMORROW****Chairmen:****Daniel Ng** Hong Kong, China**Eitan Kerem** Jerusalem, Israel**12:00-12:05 Introduction****Daniel Ng** Hong Kong, China**12:05-12:20 CF West meets East – No reinventing, just realigning!****Andrew Colin** Miami, USA**12:20-12:30 CF in China****Kun-ling Shen** Beijing, China**12:30-12:40 CF in Middle East, Iranian experience****Ashkan Moslehi** Shiraz, Iran**12:40-12:50 CF in Singapore, where do we stand?****Oon Hoe Teoh** Singapore, Singapore**12:50-13:10 Burden of CF in India, diagnostic challenges & innovations****Sushil K. Kabra** New Delhi, India**13:10-13:25 CF mutation in Japan, what do we know?****Yoshiro Sohma** Japan**13:25-13:30 CF in Indonesia, is it relevant to the health needs?****Rina Triasih** Indonesia**13:30-13:45 Role of APPS - Developing Asian CF Collaborative  
Network for kids (ACCoN-Kids)****Varinder Singh** New Delhi, India**13:45-14:00 Discussion**

▶ 12:00 - 14:00

| ROOM B

**WORKSHOP PEDIATRIC IS MAGICAL****Director:****Bruce Rubin** Richmond, USA

▶ 12:00 - 14:00

| ROOM C

**WORKSHOP HOW TO GET PUBLISHED? MEET THE EDITORS****Andrew Bush**, Chair ERS Publications Committee**Fernando Martinez**, Deputy Editor AJRCCM

▶ 14:00 - 15:30

| ROOM B

**RADIOLOGY QUIZ DENOUEMENT****Radiologists:****Paul Guillerma** Houston, USA**Bernard Laya** Taguig City, Philippines**Clinician:****Andrew Colin** Miami, USA

▶ 15:30 - 17:00

| ROOM C

**BRONCHOSCOPY QUIZ DENOUEMENT****Clinician:****Petr Pohunek** Prague, Czech Republic**Bronchoscopist:****Wen-Jue Soong** Taipei, Taiwan

▶ 17:00 - 19:00

| ROOM A

**CLOSING CEREMONY****17:00 - 17:10 Addresses from:**CIPP XVIII President's **Giovanni Rossi** Genoa, ItalyLocal Committee President's Address **Masato Takase** Tokyo, Japan**17:10 - 17:30 Top Five Poster Award:****Manuel Soto-Martinez** San José, Costa Rica**17:30 - 19:00 Farewell Cocktail.**



# CIPP XIX

**19TH** INTERNATIONAL  
CONGRESS ON  
PEDIATRIC PULMONOLOGY

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FRIDAY JUNE 28, 12:00 - 13:30, ROOM A

## GSK SATELLITE SYMPOSIUM

### SEVERE THERAPY RESISTANT ASTHMA IN CHILDREN AND THE TREATMENT OPTIONS

#### 1. Severe asthma, a global clinical perspective

**Professor Andrew Bush:** Professor of Paediatrics Imperial College London and Professor of Paediatric Respiriology, Royal Brompton Hospital Trust London

#### 2. The developmental biology of the eosinophil are they always the bad guys?

**Professor Takao Fujisawa:** Professor and Director of The Allergy Centre & Department of Clinical Research Mie National Hospital Japan

#### 3. Management of Severe asthma including biologics

**Professor Warren Lenney:** GSK Respiratory Global Medical Expert for Children and Professor of Respiratory Child Health, Keele University, UK

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OM Pharma has a strong collaboration with international medical associations (e.g. CIPP, ERS, WAidid and EASD) and though leaders in the area of chronic diseases such as asthma and diabetes, aimed at promoting medical education and research to ultimately offer new perspectives and an improved quality of life to patients and their caregivers.

**SATURDAY JUNE 29, 12:00 - 12:30, ROOM A**

**OM-PHARMA SATELLITE SYMPOSIUM**

**IMMUNOMODULATION IN CHILDREN WITH RECURRENT WHEEZE: PRESENT KNOWLEDGE AND FUTURE PERSPECTIVES**

**1. Welcome and Introduction.**

**Chairmen:** Andrew Colin and Giovanni Rossi

**2. Recurrent respiratory infections in children with wheeze: disease burden and unmet needs**

Andrew Colin

**3. Understanding immunomodulation and its place in children with recurrent wheeze and asthma**

Giovanni Rossi

**4. Effectively protecting our children against recurrent viral RTIs and their complications**

Wojciech Feleszko

**5. Q&A session**

All



ECO MEDICS Switzerland offers an innovative range of computerized pulmonary diagnostic products ranging from neonatal to adult application. The main focus is the asthma management by exhaled Nitric Oxide analysis and the detection of small airway disease (CF) by nitrogen washout FRC / LCI tests. The ANALYZER CLD 88sp is approved for routine clinical use of single and multiple breath exhaled NO, alveolar, nasal and offline FeNO measurements. The EXHALYZER D - pulmonary function testing device is designed for infant and adult application, especially the single and multiple breath nitrogen washout FRC / LCI tests in newborn to adult patients.

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The International Society for Aerosols in Medicine (ISAM) was founded in 1970. The mission of the society is to promote and advance aerosol science internationally, focused on health effects of inhaled aerosols including inhaled drug delivery for prevention and treatment of human diseases. ISAM sponsors international conferences, publications, study groups and special research projects. To introduce new therapies into practice ISAM has organized educational seminars, and provided advice on basic and advanced levels to staff and international organizations such as the World Health Organization (WHO) and the American Thoracic Society (ATS). New members are always welcome, to find out more about ISAM please visit <https://www.isam.org/>



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# FUJIFILM

## Value from Innovation

Aiming to strengthen connection between «Diagnosis» and «Treatment» as well as to accelerate development of new drugs, FUJIFILM RI Pharma Co., Ltd., which specializes in radiopharmaceuticals, and TOYAMA CHEMICAL CO., LTD., a company that has created numerous new drugs focusing on antibacterial drugs, merged to form FUJIFILM Toyama Chemical Co., Ltd., in October 2018.

FUJIFILM Toyama Chemical is working in close collaboration with Fujifilm, which conducts research for new drugs and operates a medical system business, to provide «Optimal therapeutic drug and treatment based on more precise diagnosis» for each patient and meet diverse needs.



Since Astellas was established in 2005, based on our business philosophy to “Contribute towards improving the health of people around the world through the provision of innovative and reliable pharmaceutical products,” we have strived to continue to create innovation and deliver innovative medical solutions that meet the needs of patients. Looking forward, we are committed to achieving our vision of turning innovative science into value for patients.

The Astellas group has a common set of values to be consistent in our thoughts and actions – the Astellas Way – which is concentrated into five messages of “Patient Focus”, “Ownership”, “Results”, “Openness” and “Integrity”. Having Astellas employees around the world practice the Astellas Way and demonstrate their capabilities to the fullest will create an organization and corporate culture that continually produces new value.

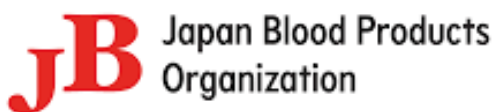
# AsahiKASEI

## ASAHI KASEI PHARMA

Asahi Kasei Pharma contributes to health and quality of life through the development of products that address unmet medical needs and the provision of pharmaceuticals and diagnostic products in accordance with changing patient needs, by applying the following basic principles. We focus on providing products and services that address patient needs by incorporating the patient viewpoint in our decision-making. As individuals engaged in an enterprise serving human health, we pursue our vocation with sincerity and remain sympathetic towards patients. We are guided by the Asahi Kasei Group Mission of contributing to life and living for people around the world and do not engage in business activities that do not support that Mission.



AstraZeneca is a science-led biopharmaceutical company pushing the boundaries of science to deliver life-changing medicines. We are currently leading global oncology clinical studies in lung, head and neck cancer. We are focused on developing innovative medicines in three core areas: Cardiovascular, Renal and Metabolic diseases (CVRM); Oncology; and Respiratory, Inflammation and Autoimmunity (RIA).



JB is a general incorporated association formed by the integration of the plasma fractionation operation of the Japanese Red Cross Society and Benesis Corporation, a wholly owned subsidiary of Mitsubishi Tanabe Pharma Corporation. As a manufacturer of plasma products, we put safety and security our top priorities.

#### PRODUCT SUPPORT FOR POSTGRADUATE COURSE

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2. Fisher & Paykel Healthcare Ltd.

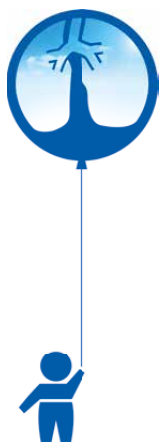


3. Philips Japan









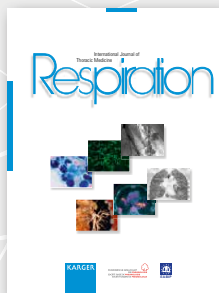
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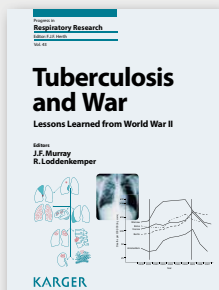


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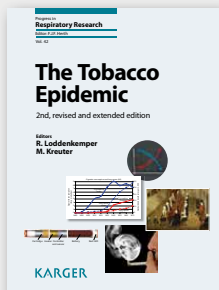
**Loddenkemper, R.** (Berlin)

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