

# Asia Pacific Maternal and Child Health (APMCH) Conference & IPRAMHO International Meeting 2022

## SCIENTIFIC PROGRAMME

**Theme:** *Towards Better Maternal and Child Health in the Asia Pacific*

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### DAY 1 – 21 JANUARY 2022, FRIDAY

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0800 Registration

0815 **Welcome Address**

*Prof Alex Sia, Chief Executive Officer, KK Women's and Children's Hospital, Singapore*

0825 **Opening Remarks on Asia Pacific Collaboration for Maternal & Child Health**

*Prof Satoshi Kusuda, President, Federation of Asia and Oceania Perinatal Societies*

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0840 **SYMPOSIUM I - MATERNAL AND CHILD WELLNESS**

**Chairperson:** *Asst Prof Derek Tse Wan Lung, Director, Primary Care, Family Medicine Academic Clinical Programme; Senior Consultant, SingHealth Polyclinics, Singapore*

**Co-Chairperson:** *Assoc Prof Lourdes Mary Daniel, Head & Senior Consultant, Department of Child Development, KK Women's and Children's Hospital, Singapore*

0845 **A New Model of Holistic Maternal and Child Health Care - The Integrated Maternal and Child Wellness Hub**

*Assoc Prof Chan Yoke Hwee, Chair, SingHealth Duke-NUS Paediatrics Academic Clinical Programme*

0900 **Advancing Child Developmental Assessment for Early Intervention**

*Dr Pratibha Agarwal, Senior Consultant, Department of Child Development, KK Women's and Children's Hospital, Singapore*

0915 **Setting the Foundation with Good Nutrition in Early Childhood**

*Dr Elaine Chew Chu Shan, Senior Consultant, Adolescent Medicine Service, KK Women's and Children's Hospital, Singapore*

0930 **Postnatal Depression Screening and Intervention in Primary Healthcare**

*Assoc Prof Helen Chen Yu, Head, Psychological Medicine and Senior Consultant, Psychiatrist, Department of Psychological Medicine, KK Women's and Children's Hospital, Singapore*

0945 **Q&A Session**

All Speakers and Dr Guo Xiaoxuan

Dr Guo Xiaoxuan, Family Physician, Consultant, SingHealth Polyclinics, Singapore

1015 **Intermission**

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- 1030 **SYMPOSIUM II – NURTURING HEALTHY BEHAVIOURS IN EARLY CHILDHOOD**  
**Chairperson:** Asst Prof Benny Loo Kai Guo, Consultant Paediatrician, General Paediatrics Service, Sport & Exercise Medicine Service, KK Women's and Children's Hospital, Singapore.  
**Co-Chairperson:** Assoc Prof Benedict Tan Chi'-Loong, Senior Consultant and Chief of Sport and Exercise Medicine, Changi General Hospital, Singapore
- 1035 **Are Our Children Moving Enough? A Physical Activity Guide for the Early Years**  
Dr Miriam Lee, Senior Manager, Division of Children & Youth Programme Development, Sport Singapore, Singapore  
Dr Aaron Sim, Assistant Director, Division of Physical Activity & Weight Management, Health Promotion Board, Singapore
- 1050 **Sedentary Behaviour: Finding the Right Balance and Seeking the Best Even When Still**  
Dr Teresa Tan Shu Zhen, Consultant, General Ambulatory Paediatrics and Adolescent Medicine, Khoo Teck Puat – National University Children's Medical Institute, National University Hospital, Singapore
- 1105 **Association Between Breastfeeding and Sleep Patterns in Infants and Preschool Children**  
Dr Cai Shirong, Principal Investigator, Singapore Institute for Clinical Sciences, Agency for Science, Technology and Research (A\*STAR), Singapore
- 1120 **Nourishing Our Next Generation**  
Asst Prof Mary Chong Foong-Fong, Assistant Professor, Saw Swee Hock School of Public Health, National University of Singapore, Singapore.
- 1135 **Q & A Session**
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- 1150 *Intermission*
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- 1200 **LAUNCH OF THE SINGAPORE INTEGRATED 24-HOUR ACTIVITY GUIDELINES FOR EARLY CHILDHOOD**
- IPRAMHO Initiatives for Maternal & Child Health**  
Prof Tan Kok Hian, Organising Chairperson, Asia Pacific Maternal & Child Health Conference & IPRAMHO International Meeting 2022  
Lead, IPRAMHO, Singapore; & President, Perinatal Society of Singapore
- CPCHS Initiatives for Child Health**  
Prof Lee Yung Seng, President of the College of Paediatrics & Child Health of Academy of Medicine Singapore, Singapore
- Singapore Integrated 24-Hour Activity Guidelines for Early Childhood**  
Asst Prof Benny Loo Kai Guo, Chairperson, Singapore Integrated 24-Hour Activity Guidelines for Early Childhood Workgroup
- Opening Address by Guest of Honour**  
Dr Koh Poh Koon, Senior Minister of State, Ministry of Health and Ministry of Manpower, Singapore

## Oral Poster Presentations

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1300 *Intermission*

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1315 **LUNCH SYMPOSIUM III – SINGHEALTH DUKE-NUS MATERNAL & CHILD HEALTH RESEARCH INSTITUTE - LIFE COURSE APPROACH FOR A HEALTHIER AND MORE RESILIENT POPULATION**

**Chairperson:** Prof Tan Hak Koon, Chair SingHealth Duke-NUS OBGYN Academic Clinical Programme

**Key Domains and Platforms for Maternal & Child Health Translation**

*Assoc Prof Derrick Chan Wei Shih, Director, KKH Research Centre, Senior Consultant and Head, Neurology Service, KK Women's and Children's Hospital, Singapore*

**Learning Health Ecosystem for Maternal & Child Health Excellence**

*Assoc Prof Ng Kee Chong, Chairman of Medical Board, KK Women's and Children's Hospital, Director, SingHealth Duke-NUS Maternal & Child Health Research Institute, Singapore*

1345 **Q & A Session**

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1400 **TRACK I: SYMPOSIUM IV – IPRAMHO EDUCATION SESSION: TRAINING PROGRAM FOR DOCTORS AND RESIDENTS – EXCELLENCE IN PERINATAL HEALTH**

**Chairperson:** Assoc Prof Tan Lay Kok, Head & Senior Consultant, Department of Maternal Fetal Medicine, KK Women's and Children's Hospital, Singapore

**Co-Chairperson:** Prof Victor Samuel Rajadurai, Vice President, Perinatal Society of Singapore & Senior Consultant, Department of Neonatology, KK Women's and Children's Hospital, Singapore

1405 **Perinatal Epidemiology: Advancing Perinatal Health Standards in Singapore**

*Prof Tan Kok Hian, Head Perinatal Audit & Epidemiology, KK Women's and Children's*

1425 **Metabolic Health in Pregnancy: Guidelines and Reality**

*Prof Shakila Thangaratnam, WHO Collaborating Centre for Global Women's Health, UK*

1445 **Safe Maternity and Childbirth - A Multidisciplinary and Multifaceted Effort**

*Assoc Prof Tan Lay Kok, Head & Senior Consultant, Department of Maternal Fetal Medicine, KK Women's and Children's Hospital, Singapore*

1505 **Communication, Collaboration and Consensus: Role of The Multidisciplinary Team in Optimising Mother and Child Health Care in High and Low Resource Settings**

*Dr Ann Wright, Head, Peripartum Unit & Senior Consultant, Department of Maternal Fetal Medicine, KK Women's and Children's Hospital, Singapore*

- 1525 **Perinatal Birth Defect Clinic**  
*Dr June Tan Vic Khi, Head & Senior Consultant, Obstetric Ultrasound & Prenatal Diagnosis Unit, Director, Antenatal Diagnostic Centre, KK Women's and Children's Hospital, Singapore*
- 1545 **Q & A Session**
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- 1600 *Intermission*
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- 1615 **Perinatal - Neonatal Care in the Developed & Developing Countries**  
*Prof Victor Samuel Rajadurai, Vice President, Perinatal Society of Singapore & Senior Consultant, Department of Neonatology, KK Women's and Children's Hospital, Singapore*
- 1635 **Optimising Care of Infants with Congenital Heart Disease in The Perinatal Period**  
*Dr Jonathan Choo Tze Liang, Director, Fetal Cardiac Programme, Head & Senior Consultant, Cardiology Service, KK Women's and Children's Hospital, Singapore*
- 1655 **Perinatal Mental Health - Understanding the Mind of a Mother**  
*Assoc Prof Helen Chen Yu, Head, Psychological Medicine & Senior Consultant, Psychiatrist, Department of Psychological Medicine, KK Women's and Children's Hospital, Singapore*
- 1715 **Development Of a Nutrition and Physical Activity Assessment and Intervention Tool to Support Preconception, Pregnant and Postpartum Women Who Are Overweight or Obese**  
*Dr Ku Chee Wai, Clinician Scientist, Senior Resident, Division of Obstetrics and Gynaecology, KK Women's and Children's Hospital, Singapore*
- 1730 **Q & A Session**
- 1745 **Closing Remarks**  
*by Chairperson: Assoc Prof Tan Lay Kok, Head & Senior Consultant, Department of Maternal Fetal Medicine, KK Women's and Children's Hospital, Singapore*
- 1750 -End of Programme-

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**PARALLEL AFTERNOON TRACK**

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**1400 TRACK 2: SYMPOSIUM V – PROMOTING OPTIMAL PRIMARY HEALTH & POSTNATAL MANAGEMENT**

**Chairperson:** Assoc Prof Tan Ngiap Chuan, Associate Professor SingHealth Polyclinics, Director, Department of Research at SingHealth Polyclinics HQ, Vice-chair (Research), SingHealth-Duke NUS Family Medicine Academic Clinical Program (FM ACP), Singapore.

**Co-Chairperson:** Assoc Prof Tang Wern Ee, Senior Consultant and Director of the Clinical Research Unit, National Healthcare Group Polyclinics and Assistant Dean, Family Medicine, Lee Kong Chian School of Medicine, Singapore

**1405 SingHealth High Risk Metabolic Postnatal Surveillance (SHRIMPS): Postnatal GDM Management**

Ms Asmira Bte Mohamed Rahim, Nurse Clinician, Obstetric Day Assessment Centre, KK Women's and Children's Hospital, Singapore

**1425 Management of Postnatal Mothers with GDM at the Secondary - Primary Care Interface**

Dr Ng Lai Peng, Family Physician and Consultant, SingHealth Polyclinics, Singapore

**1445 Experiences of Primary Care Physicians Managing Postpartum Care. A Qualitative Research Study**

Dr Poon Zhimin, Clinical Lecturer, Lee Kong Chian School of Medicine and Physician Faculty, SingHealth Family Medicine Residency, SingHealth Polyclinics, Singapore

**1505 A cross sectional study of the common facilitators and barriers to post-partum diabetes mellitus screening among Singaporean mothers with a recent history of gestational diabetes mellitus (GDM)**

Dr Andrew Tan Yen Siong, SingHealth Polyclinics, Singapore

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**1525 Intermission**

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**1540 Postnatal DM Screening of Mothers with GDM: Results of an Innovation to Improve Uptake**

Dr Andrew Tan Yen Siong, SingHealth Polyclinics, Singapore

**1600 Integrated Hyperglycaemia Incentivised Postnatal Surveillance Study (I-HIPS) – Design of Wearable Devices (CGM & Activity Tracker) RCT for Postpartum Women**

Dr Elaine Quah Phaik Ling, IPRAMHO Senior Research Fellow, KK Women's and Children's Hospital, Singapore

**1620 Anchor, An Inter-Agency Collaborative Programme for Children Exposed to Maltreatment**

Asst Prof Yeleswarapu Sita Padmini, Senior Consultant Department of Child Development, KK Women's and Children's Hospital, Singapore

**1640 Q & A Session****1655 Closing Remarks**

by Chairperson: Assoc Prof Tan Ngiap Chuan, Associate Professor SingHealth Polyclinics, Director, Department of Research at SingHealth Polyclinics HQ, Vice-chair (Research), SingHealth-Duke NUS Family Medicine Academic Clinical Program (FM ACP), Singapore.

1700 - End of programme-

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**DAY 2 – 22 JANUARY 2022, SATURDAY**  
**(Track 3 – CHILD HEALTH)**

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**0900 ASIA PACIFIC CONSENSUS WORKSHOP ON INTEGRATED 24-HOUR ACTIVITY GUIDELINES FOR EARLY CHILDHOOD**

**Chairperson:** Asst Prof Benny Loo Kai Guo, Consultant Paediatrician, General Paediatrics Service, Sport & Exercise Medicine Service, KK Women's and Children's Hospital, Singapore.

**Co-Chairperson:** Assoc Prof Benedict Tan Chi'-Loong, Senior Consultant and Chief of Sport and Exercise Medicine, Changi General Hospital, Singapore.

**Facilitator:** Dr Elaine Quah, IPRAMHO Senior Research Fellow, KK Women's and Children's Hospital, Singapore

**0910 Consensus Introduction:** Asst Prof Benny Loo Kai Guo & Assoc Prof Benedict Tan Chi'-Loong

**IPRAMHO Survey on Integrated 24-Hour Activity for Early Childhood (E-24 Study)**

Dr Elaine Quah, IPRAMHO Senior Research Fellow, KK Women's and Children's Hospital, Singapore

**Asia Pacific Consensus Statements Discussion**

**Panel Members** – Please see panel members list for Child Health Track, at the end of the programme

**Discussion on Collaborative Studies - Asia Pacific Survey on Integrated 24-Hour Activity for Early Childhood (ISAP & E-24 International Studies)**

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**1300 Intermission**

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**1400 Physical Inactivity and Screen Device Usage by Children and Adolescents in Sri Lanka**  
Prof Sachith Mettananda, Department of Paediatrics, Faculty of Medicine, University of Kelaniya, Sri Lanka

**Nutritional Status of Children (Age < 5 Years Old) in Malaysia**

Prof Dr Muhammad Yazid Jalaludin, Professor of Paediatrics, Faculty of Medicine, University Malaya Kuala Lumpur, Malaysia

**Prevention of Iodine Deficiency in Hong Kong**

Assoc Prof Betty But Wai Man, Department of Paediatrics, Queen Elizabeth Hospital, Hong Kong

**Gestational Age-Dependency of Body Mass Index Trajectories During the First 3 Years in Japanese Small-For-Gestational Age Children**

Dr Kazumasa Fuwa and Prof Ichiro Morioka, Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan

**Update: Recommendations for Physical Activity for Thai Children Aged 0-6 Year Old**

A/Prof Pongsak Noipayak, Vice President, Navamindradhiraj University, Thailand

**Pre-Conception Counselling: NIMS-Spectrum-CDRC Model**

*Prof MKC Nair, Developmental Paediatrician, Emeritus Professor Research & Formerly Vice Chancellor, Kerala University of Health Sciences, India*

**The Association Between Mode of Delivery and Children Neuropsychological Development: A Birth Cohort Study**

*Dr Zhao Yanjun, Attending Physician, Department of Child Health Care, Shanghai Children's Hospital, China*

**Prevalence Of Metabolic Syndrome Among Filipino Children and Adolescents Seen In A Weight Management Center**

*Dr Divina Cristy Redondo-Samin, Chair, Medical Nutrition and Weight Management Center, Premiere Medical Center, Nueva Ecija, Philippines*

**The Development and Impact of Australian 24-hour Movement Guidelines for the Early Years**

*Senior Prof Anthony Okely, Director of Research, Early Start, University of Wollongong, Australia*

**Eliminating the double burden of malnutrition: The Indonesian experience**

*Prof Aman Bakhti Pulungan, President of Indonesian Pediatric Society, Indonesia*

**1630 Closing Remarks**

*by Chairperson: Asst Prof Benny Loo Kai Guo, Consultant Paediatrician, General Paediatrics Service, Sport & Exercise Medicine Service, KK Women's and Children's Hospital, Singapore*

**1640 -End of Programme-**

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**DAY 2 – 22 JANUARY 2022, SATURDAY**  
**(Track 4 – MATERNAL HEALTH)**

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**0900 IPRAMHO-INTERNATIONAL COLLABORATIVE STUDY NETWORK**

**Opening and Introduction**

**Opening by Lead:** Prof Tan Kok Hian, IPRAMHO Lead Investigator, KK Women's and Children's Hospital, Singapore

**Facilitator:** Dr Ryan Lee, IPRAMHO Investigator, KK Women's and Children's Hospital, Singapore

**0910 Asia Pacific Survey on Vitamin D Screening & Supplementation in Pregnancy**

**Panel Members** – Please see panel members list for Maternal Health Track, at the end of the programme

**Consensus Building Proposal Discussion**

**Vitamin D Screening & Supplementation in Pregnancy – Asia Pacific Perspectives**

**Maternal Vitamin D Status and Outcomes in Singapore**

Dr Loy See Ling, Assistant Professor, Duke-NUS Medical School, Senior Research Fellow, Department of Reproductive Medicine, KK Women's and Children's Hospital, Singapore

**Vitamin D and Pregnancy**

Assoc Prof Wu Ting, Chengdu Women's and Children's Central Hospital, School of Medicine, University of Electronic Science and Technology of China, Chengdu, China

**Maternal Vitamin D status and its related factors in Thailand**

Assoc Prof Busadee Pratumvinit, Department of Clinical Pathology, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand

**Vitamin D Deficiency in Pregnant Women – Asia Pacific Perspective**

Prof Milind R Shah, Naval Maternity & Nursing Home, India & Deputy Secretary General Asia Oceania Federation of Perinatal Societies, India

**Vitamin D status during late pregnancy on the development of malnutrition and allergic diseases in the first year of life**

Assoc Prof Yit Siew Chin, Head of Community Nutrition Unit, Department of Nutrition, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Malaysia

**Maternal Vitamin D Status : Related Factors and Outcomes in Indonesia**

Dr Raden Tina Dewi Judistiani, Public Health Department, Faculty of Medicine Universitas Padjadjaran, Bandung, Indonesia

**IPRAMHO-INTERNATIONAL COLLABORATIVE STUDIES**

**Discussion on the Next Steps in IPRAMHO-International Collaboration**

Prof Tan Kok Hian, IPRAMHO Lead Investigator, KK Women's and Children's Hospital, Singapore (GDM Studies)

**1300 -End of Programme-**

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## **Panel Members for Child Health Track**

- Asst Prof Benny Loo Kai Guo, KKH, Singapore
- Assoc Prof Benedict Tan Chi'-Loong, CGH, Singapore
- Prof Victor Samuel Rajadurai, KKH, Singapore
- Assoc Prof Tan Ngiam Chuan, SingHealth Polyclinics, Singapore
- Dr Teresa Tan, NUH, Singapore
- Dr Elaine Quah, KKH, Singapore
- Asst Prof Mary Chong Foong-Fong, NUS, Singapore
- Dr Cai Shirong, Singapore Institute for Clinical Sciences, Singapore
- Dr Elaine Chew, KKH, Singapore
- Dr Miriam Lee, SportSG, Singapore
- Dr Aaron Sim, HPB, Singapore
- Dr Zhao Yanjun, Department of Child Health Care, Shanghai Children's Hospital
- Prof MKC Nair, Kerala University of Health Sciences, India
- Dr Divina Cristy Redondo-Samin, Philippines
- Assoc Prof Nobuhiko Nagano, Nihon University, Japan
- Prof Ichiro Morioka, Nihon University, Japan
- Dr Kazumasa Fuwa, Nihon University, Japan
- Assoc Prof Pongsak Noipayak, Vice President, Navamindradhiraj University, Thailand
- Prof Sachith Mettananda, University of Kelaniya, Sri Lanka
- Assoc Prof Betty BUT Wain Man, Queen Elizabeth Hospital, Hong Kong
- Senior Prof Anthony Okely, Faculty of Social Sciences and Director of Research at Early Start at the University of Wollongong, Australia
- Prof Aman Bakhti Pulungan, President of Indonesian Pediatric Society, Indonesia
- Dr Areekul Amornsriwatanakul, Mahidol University, Thailand
- Dr Huynh Manh Nhi, Hospital for Traumatology and Orthopedics, Vietnam
- Dr Thiyagar A/L Nadarajaw, Hospital Sultanah Bahiyah, Kedah, Malaysia
- Assoc Prof Azriyanti bt Anuar Zaini, Dept of Paediatrics, University of Malaya, Malaysia
- Prof Dr Muhammad Yazid Jalaludin, Head of Department of Paediatrics, Faculty of Medicine, University of Malaya, Malaysia
- Prof Chia Yong Hwa Michael, NTU, Singapore
- Dr Mohammad Ashik, KKH, Singapore
- Dr Chan Poh Chong, NUH, Singapore
- Assoc Prof Falk Mueller-Riemenschneider, NUS, Singapore
- Dr Dinesh Sirisena, KTPH, Singapore
- Dr Ratnaporn Siriamornsarp, SingHealth Polyclinics, Singapore
- Ms Ethel Lim, KKH, Singapore
- Dr Nirmal Kavalloor Visruthan, KKH, Singapore
- Dr Moira Chia, KKH, Singapore
- Dr Nur Adila, KKH, Singapore
- Assoc Prof Teoh Oon Hoe, KKH, Singapore
- Dr Lee Le Ye, NUH, Singapore
- Dr Mya Sandar Thein, Yangon Children Hospital, Myanmar
- Dr Gade Waqa, Fiji National University, Fiji
- Professor Rachel Novotny, University of Hawaii at Manoa, Hawaii
- Assoc Prof Mohammad Sorowar Hussain, Independent University, Bangladesh
- Ms Ankhmaa Byambaa, National Center for Public Health of Mongolia
- Professor, Pujitha Wickramasinghe, Faculty of Medicine University of Colombo Kynsey Road, Sri Lanka
- Professor Rachael Taylor, University of Otago, New Zealand
- Professor Justin Jeon, Yonsei University, South Korea

### **Panel Members for Maternal Health Track**

- Prof Tan Kok Hian, KKH, Singapore
- Dr Ryan Lee, KKH, Singapore
- Dr Loy See Ling, KKH, Singapore
- Dr Ye Jiangfeng, China
- Assoc Prof Wu Ting, Chengdu Women's and Children's Central Hospital, School of Medicine, University of Electronic Science and Technology of China, Chengdu, China
- Assoc Prof Busadee Pratumvinit, Department of Clinical Pathology, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand
- Prof Milind R Shah, Naval Maternity & Nursing Home, India & Deputy Secretary General Asia Oceania Federation of Perinatal Societies, India
- Assoc Prof Yit Siew Chin, Head of Community Nutrition Unit, Department of Nutrition, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Malaysia
- Prof Tiran Daminda Dias, University of Kelaniya, Sri Lanka
- Assoc Prof Dittakarn Boriboonhirunsan, Faculty of Medicine, Siriraj Hospital, Thailand
- Prof Swe Swe Myint, Central Women Hospital, Yangon, Myanmar
- Dr Raden Tina Dewi Judistiani, Faculty of Medicine Universitas Padjadjaran, Bandung, West Java, Indonesia
- Prof Laila Arjumand Banu, Labaid Specialized Hospital, Dhaka Bangladesh
- Dr Bolormaa Norov, National Center for Public Health, Mongolia