

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*

DAY 1 – 21 JANUARY 2022, FRIDAY

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

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**

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**

1150 *Intermission*

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

1300 *Intermission*

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**

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 Thangaratinam, 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**

1600 *Intermission*

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-

PARALLEL AFTERNOON TRACK

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

1525 *Intermission*

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-

DAY 2 – 22 JANUARY 2022, SATURDAY

(Track 3 – CHILD HEALTH)

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)

1300 Intermission

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-

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

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, 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-

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 Ngiap 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 Mettanana, 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 Thiyyagar 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