

17th Asia Pacific Congress in Maternal Fetal Medicine (APCMFM)

Main Congress:

21st - 22nd November 2024 (Thu-Fri)

Phayathai Grand Ballroom, 6th Floor, Eastin Grand Hotel Phayathai, Bangkok, Thailand

Post - Congress Workshop:

23rd November 2024 (Sat)

Atthasit Vejajiva Room, 5th Floor, Queen Sirikit Medical Center Building, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

Program

Update 19/11/2024

| Main Congress Day 1 - Innovation and future medicine to safe mother and child | | | | | Thursday, 21 st November 2024 | | | 8.00 – 18.00 hrs. | | | |
|---|--------------|--|--|--|--|---------------|--------------|---|--|--|--|
| Time | Dura tion | Topic | | Speaker | | Time | Dura tion | Topic | | Speaker | |
| 08.00 - 08.30 | | Registration | | | | | | | | | |
| 08.30 - 09.00 | 30 | Opening Ceremony and welcome speech <i>by Artit UNGKANONT, Arb-Aroon LERTKHACHONSUK, Liona POON, Piya CHAEMSAITHONG</i> | | | | | | | | | |
| 09.00 - 09.20 | 20 | Keynote lecture I: Great Obstetrical Syndrome: the child is the father of the man | | | | | | | | Roberto ROMERO | |
| 09.20 - 09.40 | 20 | Keynote lecture II: Nonclinical interventions to reduce unnecessary caesarean section | | | | | | | | Pisake LUMBIGANON | |
| { Venue A : Phayathai Grand Ballroom 1-2 } | | | | | { Venue B: Phayathai Grand Ballroom 4 } | | | | | | |
| | 80 | Hypertensive disorders in pregnancy | | Chair: Liona POON and Piengbulan YAPAN | | | 80 | Genetics in Pregnancy | | Chair: Richard CHOY and Boonsri CHANRACHAKUL | |
| 09.40 - 09.55 | 15 | 1st trimester prediction and prevention of preeclampsia | | Piya CHAEMSAITHONG | | 09.40 - 09.55 | 15 | Advances in prenatal testing and diagnosis | | Richard CHOY | |
| 09.55 - 10.10 | 15 | 2nd and 3rd trimester preeclampsia screening | | Piengbulan YAPAN | | 09.55 - 10.10 | 15 | Noninvasive prenatal screening (including non-NGS based approach) in singletons and twins | | Sakita MUANGMAITHONG | |
| 10.10 - 10.25 | 15 | Hypertension management: drug titration ladder and timed birth | | Lo WONG | | 10.10 - 10.25 | 15 | Prenatal spinal muscular atrophy screening: health care policy | | Chayada TANGSHEWINSIRIKUL | |
| 10.25 - 10.40 | 15 | Aspirin and placental aging | | Liona POON | | 10.25 - 10.40 | 15 | Newborn screening: what do we screen? | | Thipwimol TIM-AROON | |
| 10.40 - 11.00 | 20 | Round table discussion: challenges of implementing 1st trimester preeclampsia screening in Asia and Q&A | | Liona POON and FORECAST investigators | | 10.40 - 11.00 | 20 | Preconception carrier screening | | Boonsri CHANRACHAKUL | |
| 11.00 - 11.15 | 15 | Break | | | | 11.00 - 11.15 | 15 | Break | | | |
| | 90 | Pregnancy in women with cardiovascular diseases | | Chair: Lay Kok TAN and Annie HUI | | | 90 | Cutting-edge in Management of Genetic Conditions | | Chair: Tessa HOMFRAY and Suchaya LUEWAN | |

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| 11.15 - 11.30 | 15 | Obstetric care for pregnant patients with cardiovascular diseases | Caitlyn LAU | 11.15 - 11.30 | 15 | Prenatal control of severe thalassemia: National policy | Theera TONGSONG |
| 11.30 - 11.45 | 15 | Cardio-OB clinic: important lessons for obstetrician | Lay Kok TAN | 11.30 - 11.45 | 15 | Cutting-edge Approaches in Fetal Alpha Thalassemia Major: In-Utero Transfusion and Stem Cell Transplantation | Suradej HONGENG |
| 11.45 - 12.00 | 15 | Peripartum (mis)management- lessons learnt | Jun YOSHIMATSU | 11.45 - 12.00 | 15 | Southeast Asian ovalocytosis: an alpha thalassemia imposter? | Hian Yan VOON |
| 12.00 - 12.15 | 15 | ECMO in OB: an OB point of view | Lay Kok TAN | 12.00 - 12.15 | 15 | Fetal genetic testing: from head to toe | Tessa HOMFRAY |
| 12.15 - 12.45 | 30 | Case based discussion | Caitlyn LAU | 12.15 - 12.30 | 15 | Implementation of Public Funded Genome Sequencing in Evaluation of Fetal Structural Anomalies | Wing Cheong LEUNG |
| | | | | 12.30 - 12.45 | 15 | Q&A | All faculty members |
| 12.45 - 13.30 | 45 | Ferring sponsored Lunch Symposium <ul style="list-style-type: none"> Implementation of WHO Road Map and Unveiling AOFOG Recommendations Cost Effectiveness Analysis for PPH Prevention | Chair: Boonsri CHANRACHAKUL Pisake LUMBIGANON Tak Yeung LEUNG | 12.45 - 13.30 | 45 | Samsung sponsored Lunch Symposium Artificial intelligence in prenatal ultrasound: our new ally for time saving | Chair: Liona POON Mar GIL |
| | 95 | Ferring sponsored session: Safe labor and delivery | Chair: Roberto ROMERO and Pisake LUMBIGANON | | 95 | Fetal neurosonography | Chair: Ritsuko POOH and Isabella WAH |
| 13.30 - 13.45 | 15 | Feasibility of sonopartogram: are we there yet? | Mar GIL | 13.30 - 13.45 | 15 | Ventriculomegaly vs obstructive hydrocephalus | Isabella WAH |
| 13.45 - 14.00 | 15 | Evidence based IOL? | Pisake LUMBIGANON | 13.45 - 14.00 | 15 | Prenatal genetic diagnostic approach to ventriculomegaly | Tessa HOMFRAY |
| 14.00 - 14.15 | 15 | 2nd stage Cesarean rate: how high is high | Tak Yeung LEUNG | 14.00 - 14.15 | 15 | Exploring the spectrum of holoprosencephaly | Ritsuko POOH |
| 14.15 - 14.30 | 15 | Clinical chorioamnionitis at term: evidence-based management | Roberto ROMERO | 14.15 - 14.30 | 15 | The cerebral injury in survivor MC twins following single intrauterine fetal death | Wirada DULYAPHAT |
| 14.30 - 14.45 | 15 | Labor without or less pain | Lisa SANGKUM | 14.30 - 14.45 | 15 | Mid-gestational indirect signs for detecting cortical development | Ritsuko POOH |
| 14.45 - 15.05 | 20 | Round table discussion and Q&A | All faculty members | 14.45 - 15.05 | 20 | Live demonstration | Ritsuko POOH and Isabella WAH |
| 15.05 - 15.20 | 15 | Break | | 15.05 - 15.20 | 15 | Break | |
| 15.20 - 16.15 | 65 | Competition of oral presentations and oral poster | Chair: Piya CHAEMSAITHONG and Jon HYETT | 15.20 - 16.15 | 65 | Competition of oral presentations and oral poster | Chair: Mar GIL and Lay Kok TAN |
| | | <u>Oral</u> | | | | <u>Oral</u> | |
| | | Brain signal for spontaneous onset of labor at term: A CSF proteomics study | Puntabut WARINTAKSA | | | Predictive Value of the sFlt-1/PlGF Ratio for Short-Term Time to Delivery in Women with Suspected Early Onset Pre-eclampsia | Yunshan CHEN |
| | | Harness RingConn wearable Technology in predicting menstrual health | Yao WANG | | | Assessing quality standards of biomarker measurement in first-trimester combined screening for pre-eclampsia in the Chinese population | Jiao LIU |
| | | Artificial intelligence application in prediction of spontaneous preterm birth by cervical length in the first trimester of pregnancy: Comparison of three measurement methods | Yi-Yun TAI | | | Efficacy of acupuncture transcutaneous electrical nerve stimulation (acu-TENS) as a complementary analgesia during ultrasound-guided manual vacuum aspiration (USG-MVA): A pilot randomized controlled trial | Tsz Ching YEUNG |
| | | <u>Oral Poster</u> | | | | <u>Oral Poster</u> | |
| | | Quercetin Improves Glucose Tolerance and Hyperlipidemia in High-Fat Diet Induced GDM Mice by Regulating the Expression of PCSK9 and LDLR in Liver and Pancreas | Zhuyu LI | | | THE IMPACT OF ASSISTED REPRODUCTIVE TECHNOLOGY USE ON PLACENTA ACCRETA SPECTRUM: A META-ANALYSIS | Arif Bima AL BIRRU |
| | | Value of sFlt-1/PlGF Ratio In Preeclampsia Diagnose From Hypertension Disorders in Southern CHINA | Xiuyu PAN | | | Reproducibility Study of Renal Doppler Indexes | Jing LIN |

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| | | THE ASSOCIATION BETWEEN ADOLESCENT PREGNANCY AND LOW BIRTH WEIGHT IN INDONESIA: DATA ANALYSIS OF INDONESIA DEMOGRAPHIC AND HEALTH SURVEY (IDHS) 2017 | Devinta Nailul HUSNA | | | Effect of Music Listening on Shortening the Time for a Biophysical Profile Assessment of Pregnant Women: A Randomized Control Trial | Bhanubhan MEEPON |
| | | Utilizing Uterine Electromyography for Early Prediction and Intervention in Twin Pregnancies at Risk of Preterm Birth | Pin LI | | | TEN YEARS OF EXPERIENCE IN SURGICAL MANAGEMENT OF SECOND AND THIRD TRIMESTER ABDOMINAL ECTOPIC PREGNANCIES: A CASE SERIES | Qurrata AKYUNI |
| | | Clinical Image Feature Analysis of Pulmonary Ultrasound in the Diagnosis of Severe Congenital Pulmonary Airway Malformations | Miao TIAN | | | circRNA-miRNA-mRNA regulatory network in uterine smooth muscle during labor | Yuou CHEN |
| 16.15 - 16.30 | 15 | | | 16.15 - 16.30 | 15 | | |
| | 90 | Ferring sponsored session: Catastrophe in obstetrics: PAS | Chair: Wing Cheong LEUNG and Savitree PRANPANUS | | 90 | Fetal echocardiography | Chair: Jun YOSHIMATSU and Theera TONGSONG |
| 16.30 - 16.45 | 15 | Screening for placenta accreta | Rozi ARYANANDA | 16.30 - 16.45 | 15 | Abnormalities of the systemic and pulmonary veins | Isabella WAH |
| 16.45 - 17.00 | 15 | Cesarean scar pregnancy | Dunjin CHEN | 16.45 - 17.00 | 15 | Prenatal diagnosis of tetralogy of fallot | Theera TONGSONG |
| 17.00 - 17.15 | 15 | How to manage undiagnosed PAS: a nightmare for obstetricians | Rozi ARYANANDA | 17.00 - 17.15 | 15 | In utero manifestation of fetal cardiomyopathy | Jun YOSHIMATSU |
| 17.15 - 17.30 | 15 | The Placenta Accreta Service: Thailand | Savitree PRANPANUS | 17.15 - 17.30 | 15 | Prenatal genetic diagnostic approach to congenital heart disease | Tessa HOMFRAY |
| 17.30 - 17.45 | 15 | Can we eradicate PPH? | Wing Cheong LEUNG | 17.30 - 17.45 | 15 | Multidisciplinary approach for baby with heart disease: role of ped echo | Poomporn KATANYUWONG |
| 17.45 - 18.00 | 15 | Round table discussion and Q&A | All faculty members | 17.45 - 18.00 | 15 | Q&A | All faculty members |

Main Congress Day 2 - Innovation and future medicine to safe mother and child

Friday, 22nd November 2024

8.00 – 17.00 hrs.

| Time | Duration | Topic | Speaker | Time | Duration | Topic | Speaker |
|--|----------|--|-------------------------------------|---|----------|---|--|
| 08.00 - 08.30 | | Registration | | | | | |
| 08.30 - 08.50 | 20 | Keynote lecture III: Reducing maternal morbidity and mortality | | | | | Liona POON |
| 08.50 - 09.10 | 20 | Keynote lecture IV: Shifting the paradigm in healthcare: Opportunities and challenges in medical innovation and technology | | | | | Chagriya KITTIYAKARA |
| { Venue A : Phayathai Grand Ballroom 1-2 } | | | | { Venue B: Phayathai Grand Ballroom 4 } | | | |
| | 80 | Maternal and newborn care for tomorrow: innovation and technology; personalized medicine | Chair: Chagriya KITTIYAKARA | | 80 | Ultrasound in the 1st trimester of pregnancy | Chair: Suresh SESHADRI and Jon HYETT |
| 09.10 - 09.30 | 20 | Artificial intelligence in Obstetrics | Mahesh CHOOLANI | 09.10 - 09.25 | 15 | What to do when NT is >3.5 mm in the cfDNA era? | Jon HYETT |
| 09.30 - 09.50 | 20 | Rapid aneuploidy detection for prenatal diagnosis | Maolee BHUWAPATHANAPUN | 09.25 - 09.40 | 15 | First trimester diagnosis of congenital heart defects | Jun YOSHIMATSU |
| | | | | 09.40 - 09.55 | 15 | How genetic testing complements ultrasound evaluation? | Suchaya LUEWAN |
| 09.50 - 10.10 | 20 | Microbial identification in OB: is it time-sensitive? | Pisut PONGCHAIKUL | 09.55 - 10.10 | 15 | 11-14 ultrasound screening: ISUOG guidelines | Liona POON |
| 10.10 - 10.30 | 20 | Placenta: hidden organ to elucidate health of pregnancy | Patou TANTBIROJN | 10.10 - 10.30 | 20 | Live demonstration | Mar GIL |
| 10.30 - 10.50 | 20 | Break | | 10.30 - 10.50 | 20 | Break | |
| | 105 | Preterm delivery | Chair: Roberto ROMERO and Annie HUI | | 105 | Multiple pregnancy | Chair: Kelvin CHEUNG and Tuangsit Wataganara |
| 10.50 - 11.05 | 15 | Intraamniotic infection/inflammation in preterm labor: the role of amniocentesis | Roberto ROMERO | 10.50 - 11.05 | 15 | Delay interval delivery in pre- and pre-viable multiple pregnancy | Kelvin CHEUNG |
| 11.05 - 11.20 | 15 | Preterm birth prevention clinic - a Hong Kong experience | Annie HUI | 11.05 - 11.20 | 15 | TRAP: Current updates and controversies | Tak Yeung LEUNG |
| 11.20 - 11.35 | 15 | Amniotic fluid sludge: diagnosis and clinical implication | Roberto ROMERO | 11.20 - 11.35 | 15 | TTTS: Intervention | Tuangsit WATAGANARA |
| 11.35 - 11.50 | 15 | Vaginal colonization: should we treat or not | Piya CHAEMSAITHONG | 11.35 - 11.50 | 15 | Selective FGR: fetal monitoring and intervention | Nisarar PHITHAKWATCHARA |
| 11.50 - 12.05 | 15 | Deferred cord clamping | Chayatat RUANGKIT | 11.50 - 12.05 | 15 | Discordant anomaly in monochorionic twins | Suresh SESHADRI |

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| 12.05 - 12.35 | 30 | The development of novel therapeutics for prevention of preterm labour | Lye STEPHEN | 12.05 - 12.35 | 30 | Round table and Q&A challenging cases for management | All faculty members |
| 12.35 - 13.30 | 55 | Pfizer sponsored Lunch Symposium Protecting Future Generations: Maternal Immunisation for RSV Protection | Chair: Chonnamet TECHASAENSIRI Chenchit PICHAIRLUK | 12.35 - 13.30 | 55 | GE Healthcare sponsored Lunch Symposium How to Take Scientific Artistic Brain Images! Real Tips and Tricks? | Ritsuko POOH |
| | 90 | Advances in fetal growth restriction | Chair: Jon HYETT and Mar GIL | | 90 | Advancing fetal therapy: innovations and challenges | Chair: Ada TSE and Nisarat PHITHAKWATCHARA |
| 13.30 - 13.45 | 15 | Diagnosis of FGR: which charts to use? | Jon HYETT | 13.30 - 13.45 | 15 | Challenges in fetal pleural shunting | Ada TSE |
| 13.45 - 14.00 | 15 | Challenges in prediction and prevention of FGR | Mar GIL | 13.45 - 14.00 | 15 | Congenital diaphragmatic hernia: prenatal diagnosis and prognostication | Nisarat PHITHAKWATCHARA |
| 14.00 - 14.15 | 15 | Evidence based management of FGR | Liona POON | 14.00 - 14.15 | 15 | Optimizing treatment for LUTO: investigating the impact of early intervention | Suresh SESHADRI |
| 14.15 - 14.30 | 15 | Genetic considerations in FGR | Tessa HOMFRAY | 14.15 - 14.30 | 15 | Update of fetal surgery for MMC | Steven SHAW |
| 14.30 - 14.45 | 15 | Dopplers assessment in FGR | Suchaya LUEWAN | 14.30 - 14.45 | 15 | Off-label use of thermal lasers in prenatal interventions | Tuangsit WATAGANARA |
| 14.45 - 15.00 | 15 | Round table discussion and Q&A | Faculty members | 14.45 - 15.00 | 15 | Q & A | All faculty members |
| 15.15 - 15.30 | 15 | Break | | 15.15 - 15.30 | 15 | Break | |
| 15.30 - 16.30 | 60 | Competition of oral presentations and oral poster | Chair: Liona POON and Jun YOSHIMATSU | 15.30 - 16.30 | 60 | Competition of oral presentations | Chair: Ritsuko POOH and Tuangsit WATAGANARA |
| | | Oral | | | | Oral | |
| | | Multicentre screening for preeclampsia by maternal factors and biomarkers at 11-13 weeks' gestation in the Chinese population: Comparison with NICE and ACOG recommendations | Jiao LIU | | | First trimester cervical angles for the prediction of spontaneous preterm birth | Jing LIN |
| | | Third-generation sequencing has high sensitivity, specificity, and likelihood ratios to diagnose intraamniotic infection or Intraamniotic infection can be diagnosed with third-generation sequencing | Puntabut WARINTAKSA | | | A Situational Overview of Prenatal Screening Service in Bhutan | Phurb DORJI |
| | | Oral Poster | | | | | |
| | | ITGB3 is reduced in pregnancies with preeclampsia and its influence on biological behavior of trophoblast cells. | Wei LONG | | | Detection of maternal carriers of common α -thalassemia deletions from cell-free DNA | Phuc NGUYEN |
| | | Antenatal Management of Bronchopulmonary Sequestration with Fetal Hydrops: Steroid Treatment or Laser Ablation? | Yuan Yuan GU | | | Fetal cardiovascular profile score (CVPs) in fetal anemia, using fetal hemoglobin Bart's disease at mid-pregnancy as a study model | Panisa Hantrakun |
| | | sFlt-1/PLGF Ratio for Preeclampsia Prognosis Related to Chorionicity and Gestational Age in Twin Pregnancy | Xiuyu PAN | | | Universal PGT-M: A time-saving, cost-effective, NGS-based solution for rare monogenic disease screening. | Tien-Anh NGUYEN |
| | | Favipiravir Exposure in the Second and Third Trimesters of Pregnancy with COVID-19: Risk of Adverse Perinatal Outcomes and Congenital Anomalies – A Retrospective Cohort Study and Review | Thananan CHONGSOMBOONSUK | | | | |
| | | Comparison of Lactobacillus Crispatus Concentrations between Women with Premature Rupture of Membrane and Normal Pregnancy | Roza SRIYANTI | | | | |
| 16.30 - 16.45 | 15 | | | 16.30 - 16.45 | 15 | | |

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| 16.45 - 17.00 | 15 | Award and Closing ceremony | Chair: Piya CHAEMSAITHONG and Liona POON |
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| Post - Congress Workshop 11-14 weeks scan + preeclampsia prediction and fetal neurosonography Saturday, 23 rd November 2024 8.00 – 14.30 hrs. | | | |
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| Time | Duration | Topic | Speaker / Trainer |
| 08.00 - 08.30 | | Registration | |
| | | Lecture | |
| 08.30 - 09.00 | 30 | 11-14 week scan + preeclampsia prediction | Liona POON and Piya CHAEMSAITHONG |
| 09.00 - 09.30 | 30 | Neurosonography | Ritsuko POOH |
| 09.30 - 09.45 | 15 | Break | |
| 09.45 - 11.45 | 120 | Hands on - First scanning section (in rotation) | |
| | | <u>Group 1-4:</u> 11-14 weeks scan | <ul style="list-style-type: none">○ Mar GIL○ Jon HYETT○ Caitlyn LAU and Lo WONG○ Ada TSE and Angel KWAN |
| | | <u>Group 5-8:</u> Neurosonography scan | <ul style="list-style-type: none">○ Wirada DULYAPHAT○ Ritsuko POOH○ Liona POON○ Isabella WAH |
| 11.45 - 12.15 | 30 | Lunch break | |
| 12.15 - 14.15 | 120 | Hands on - Second scanning section (in rotation) | |
| | | <u>Group 5-8:</u> 11-14 weeks scan | <ul style="list-style-type: none">○ Mar GIL○ Jon HYETT○ Caitlyn LAU and Lo WONG○ Ada TSE and Angel KWAN |
| | | <u>Group 1-4:</u> Neurosonography scan | <ul style="list-style-type: none">○ Wirada DULYAPHAT○ Ritsuko POOH○ Liona POON○ Isabella WAH |
| 14.15 - 14.30 | 15 | Summary and Q&A | |