Curriculum Vitae

July 2021

LIONA CHIU YEE POON
MBBS (Lond)
MRCOG
MD(Res) (Lond)
Cert RCOG (Maternal and Fetal Med)
MSc in Medical Genetics (CUHK)

CONTENT

PERSONAL INFORMATION

Name   Liona Chiu Yee Poon

Nationality   British Citizen

Place of birth   Hong Kong SAR

Gender   Female

QUALIFICATIONS AND REGISTRATION

Degrees	**Master in Medical Genetics, MSc, 2018** *Mr and Mrs Chang Un Lin Memorial Scholarship* The Chinese University of Hong Kong
	Doctor of Medicine (Research), MD(Res), 2011 Guy's King's and St Thomas' School of Medicine University of London
	MRCOG, 2010 Royal College of Obstetricians and Gynaecologists
	Bachelor of Medicine and Surgery, MBBS, 2002 *Distinction in Special Study Modules* Guy's, King's and St Thomas' School of Medicine University of London
Diploma	Joint RCOG/RCR Diploma in Advanced Obstetrics Ultrasound, 2008
	Diploma in Faculty of Family Planning and Reproductive Health Care DFFP, 2005
Fetal Medicine Foundation	Certificates of Competence in: Ultrasound examination at 18-23 weeks (2007) Fetal Cardiology (2006) Ultrasound examination at 11-14 weeks (2006) Cervical assessment (2005)
Medical Council of Hong Kong	Limited registration ML01660
GMC registration	6054262
MDU registration	354536B
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EDUCATION

2016 – 2018	Master in Medical Genetics, MSc The Chinese University of Hong Kong, Hong Kong. *Mr and Mrs Chang Un Lin Memorial Scholarship*
2006 - 2011	Doctor of Medicine (Research), MD(Res) Guy's King's and St Thomas' School of Medicine, University of London, the United Kingdom.
1997 - 2002	Bachelor of Medicine and Surgery, MBBS Guy's King's and St Thomas' School of Medicine, University of London, the United Kingdom. *Distinction in Special Study Modules*
1993 - 1997	Abbots Bromley School for Girls, Staffordshire, the United Kingdom. GCE Advanced Levels: AAAB
1991 – 1993	St. Mary's Canossian College, Hong Kong.

PRESENT APPOINTMENTS

August 2018 – present	Professor (Clinical), Department of Obstetrics and Gynaecology, The Chinese University of Hong Kong
August 2018 – present	Visiting Professor, Department of Women and Children's Health, King's College London

PREVIOUS APPOINTMENTS

March 2016 – August 2018	Associate Professor (Clinical), Department of Obstetrics and Gynaecology, The Chinese University of Hong Kong
February 2016 – August 2018	Senior Lecturer (Part-time), Department of Women and Children's Health, King's College London
December 2013 – February 2016	Clinical Senior Lecturer / Consultant, Department of Women and Children's Health, King's College London
October 2011 – December 2013	Subspecialty Trainee in Maternal Fetal Medicine Imperial College Healthcare NHS Trust *Prof TG Teoh, St Mary's Hospital* *Prof KH Nicolaides, King's College Hospital*
October 2010 – October 2011	Specialty Trainee (ST5) in Obstetrics and Gynaecology Croydon University Hospital *Miss R Hamid* *6 months* *Mr A Oladipo* *6 months*
October 2009 – October 2010	Specialty Trainee (ST4) in Obstetrics and Gynaecology University Hospital Lewisham *Mrs R Cochrane*
October 2008 – October 2009	Specialty Trainee (ST3) in Obstetrics and Gynaecology King's College Hospital London *Mr M Savvas*
August 2005 - August 2008	Clinical Research Fellow at Harris Birthright Research Centre for Fetal Medicine, King's College Hospital London *Professor KH Nicolaides*
February 2004 – August 2005	18 months rotation as Senior House Officer in Obstetrics and Gynaecology King's College Hospital London: *Professor LC Cardozo and Mr J Bidmead* *12 months* Queen Elizabeth's Hospital Woolwich: *Miss V Palaniappan* *6 months*
August 2003 - February 2004	Senior House Officer in Obstetrics and Gynaecology The Hillingdon Hospital Middlesex *Mr N Nicholas*

PRE-REGISTRATION POSTS

February 2003 - August 2003	Pre-registration House Officer in General Medicine Queen Mary's Hospital Sidcup *Respiratory firm: Dr C Shee; Care of the elderly firm: Dr G Yu*
August 2002 - February 2003	Pre-registration House Officer in General Surgery

Mayday University Hospital Croydon
Upper Gastrointestinal firm: Mr P Hurley; Vascular firm: Mr J Derodra and Mr M Williams

POSTGRADUATE THESIS

MD(Res)	First-trimester prediction of preeclampsia
Organisation	Having a particular interest in high-risk obstetrics, I was one of the main contributors in setting up this project, with the aim of establishing the first-trimester screening model that combined maternal characteristics, biophysical and biochemical markers in the prediction of preeclampsia. I performed literature search, patient recruitment, acquisition and regular calibration of validated blood pressure devices, measurement of uterine artery Doppler by ultrasonography and follow-up of pregnancy outcomes.
Results	The study successfully developed the first effective method in the prediction of early onset preeclampsia in the first trimester of pregnancy with a combination of maternal factors, mean arterial pressure, uterine artery pulsatility index, serum pregnancy associated plasma protein-A and placental growth factor.

GRANTED PATENTS

I am a co-inventor of a patent entitled "Methods for determining the risk of prenatal complications" (US 8,647,832), issued on 11 February 2014 in the US (US 8,647,832) and 18 June 2014 in Europe (EP2245180). The patent relates to methods and apparatus for determining a risk of PE in a pregnant individual, and involves determining the amount of one or more biochemical markers selected from placental growth factor and pregnancy-associated plasma protein A in one or more blood samples from the individual; determining the blood pressure of the individual; determining a likelihood ratio for the one or more biochemical markers and blood pressure of the individual; and determining the risk of PE using the likelihood ratio for the one or more biochemical markers and the blood pressure of the individual.

GRANTS AWARDED

May 2020	<u>*Health and Medical Research Fund*</u> This grant of HK$653,831 has been awarded for the study entitled "Sonoelastographic Measurement of Cervical Softness and Cervicovaginal Fluid Point-of-Care-test in Women with Threatened Preterm Labor". Role: chief investigator.
November 2019	<u>*Implementation of first-trimester screening and prevention of preeclampsia: a cluster-randomized trial in Asia*</u> Roche Diagnostics provides funding of 15,000 Euro and in-kind contribution of an estimated amount of CHF 174,000. Role: chief investigator.
April 2019	<u>*Health and Medical Research Fund*</u> This grant of HK$989,600 has been awarded for the study entitled "Evaluation of aspirin non-responsiveness in preeclampsia prevention: a pharmacometabolomic approach". Role: chief investigator.
December 2018	<u>*The Hong Kong Obstetrical & Gynaecological Trust Fund*</u> This grant of HK$50,000 has been awarded for the study entitled "Progesterone metabolites in twin pregnancies treated with vaginal progesterone for the prevention of preterm". Role: chief investigator.
June 2018	<u>*The Chinese University of Hong Kong Direct Grant for Research*</u>

This grant of HK$134,625 has been awarded for the study entitled "Biomarkers in the prediction of placental complications in pregnancy from assisted reproductive technology". Role: chief investigator.

May 2018	*The Hong Kong Obstetrical & Gynaecological Trust Fund* This grant of HK$50,000 has been awarded for the study entitled "Biomarkers in the prediction of placental complications in pregnancy from assisted reproductive technology". Role: chief investigator.
May 2018	*Cervicovaginal fluid biomarkers for the identification of spontaneous preterm birth (ITS/252/17FX)* This project has been awarded a HK$1,870,200 grant from Innovation and Technology Support Programme with matching funding of HK$1,911,000 from Carmentix (Hong Kong) Ltd. Role: chief investigator.
January 2018	*Prospective validation of prediction algorithms for preeclampsia in the first, second and third trimesters of pregnancy; Implementation of first-trimester screening and prevention of preeclampsia: a cluster-randomized trial in Asia* Thermo Fisher Scientific provides in-kind contribution of an estimated amount of 928,868 Euro. Role: chief investigator.
June 2016	*The Hong Kong Obstetrical & Gynaecological Trust Fund* *This grant of HK$50,000 has been awarded for the study entitled "Maternal Cardiac Function in High Risk Pregnancies with Impaired Placentation".* Role: chief investigator.
February 2016	*Screening programme for pre-eclampsia (SPREE) 14/01/02* This project has been awarded a £661,634 grant from National Institute for Health Research Efficacy and Mechanism Evaluation (NIHR EME) Programme. Role: chief investigator.
October 2015	*Accuracy of clinical characteristics, biochemical and ultrasound markers in the prediction of pre-eclampsia: an Individual Patient Data (IPD) Meta-analysis* This project has been awarded a £498,000 grant from National Institute for Health Research Health Technology Assessment (NIHR HTA) Programme. Role: co-applicant.
October 2013	*Fetal fibronectin and cervical length in predicting spontaneous preterm birth* This project has been awarded a grant via open competition from Hologic (Marlborough, MA, USA), which will provide consumables at a total cost of £632,853. Role: chief investigator.
May 2013	*Combined Multi-Marker Screening and Randomised Patient Treatment with Aspirin for Evidence-Based Pre-eclampsia Prevention (ASPRE) #601852-2* This project has been awarded a 5,839,800 euros grant from the European Commission Seventh Framework Programme (FP7), under Horizontal Topics for Collaborative Projects Relevant for the Whole of Theme Health (FP7-HEALTH-2013-INNOVATION-2). Role: chief investigator.
May 2013	Clinical implementation of cell-free DNA testing in maternal blood in the first-trimester of pregnancy This project has been awarded a US$3,750,000 grant via open competition from Ariosa Diagnostic, Inc. Role: chief investigator.

RESEARCH SUPERVISION

The Chinese University of Hong Kong
Primary supervisor

| Completed PhD: 2 | Prospective validation of the first-trimester combined test for the prediction of preeclampsia in Asia 2016-2018; Cervicovaginal fluid biomarkers for the prediction of spontaneous preterm birth 2017-2021 |
| Ongoing PhD: 2 | Implementation of first-trimester screening and prevention of preeclampsia: a cluster-randomized trial in Asia 2020-present; Prenatal neurosonography in monochorionic twins 2020-present. |

Secondary supervisor

| Completed PhD: 1 | Biomarkers in the prediction of placental complications in pregnancy from assisted reproductive technology 2017-2020 |

<u>King's College London</u>

Primary supervisor

Completed MD(Res): 1	Development of a first-trimester prediction model for preeclampsia and prospective validation in a multicentre setting 2014-2017
Ongoing MD(Res): 2	Maternal cardiovascular function at 35-37 weeks' gestation in predicting adverse pregnancy outcomes 2014-present
	Prospective validation of the first-trimester combined test for the prediction of preeclampsia in SPREE 2015-present

Secondary supervisor

| Ongoing MD(Res): 1 | Maternal haemodynamics in screen positive and negative women of the ASPRE trial 2015-present |

SCIENTIFIC REVIEWER

| ***Peer review journal reviewer*** | Journal of the American Heart Association, PLOS *ONE,* Acta Obstetricia et Gynecologica Scandinavica, Reproductive Sciences, Hypertension, Scientific Report, The Journal of Maternal-Fetal and Neonatal Medicine, The Journal of American Medical Association, Reproductive BioMedicine Online, Hypertension in Pregnancy, Fetal Diagnosis Therapy, American Journal of Obstetrics and Gynecology, British Journal of Obstetrics and Gynaecology, Prenatal Diagnosis, Ultrasound in Obstetrics and Gynecology. |

Grant application

2018	National Institute for Health Research Efficacy and Mechanism Evaluation (NIHR EME) Programme
2016	National Institute for Health Research Health Services and Delivery Research programme
2016	National Institute for Health Research Health Technology Assessment (HTA) Programme
2015	Action Medical Research Grant Application
2013	Wellbeing of Women Research Training Fellowship

Postgraduate thesis

2018	Doctor of Philosophy in Medicine, Universidad Autonoma de Madrid – Laser coagulation in complicated monochorionic pregnancies. **Role – External referee.**
2017	PhD, Universitat de Barcelona - Development of combined screening tests for the prediction of preeclampsia and intrauterine growth restriction in the first trimester of pregnancy. **Role – President of the Jury.**
2015	European Doctor in Medicine, Universidad Autonoma de Madrid – Implementation of maternal blood cell-free DNA testing in early screening for aneuploidies. **Role - Member of the Jury.**

EXTERNAL / OTHER COMMITMENTS

November 2020 – present	Founding Board Member, The International Foundation for "Maternal, Periconceptional and Peri-Neonatal Medicine"
November 2020 – present	Committee Member, European Association for the Study of the Liver, Clinical Practice Guidelines on Liver Disease and Pregnancy
July 2020 – present	Advisor, Task Force on Women and Family Friendly Policies, The Chinese University of Hong Kong
March 2020 – present	Council member, Midwives Council of Hong Kong
November 2019 – present	Deputy Chairman, Chinese Academy of Maternal Fetal Medicine
October 2019 – present	Trustee and Board Member, International Society of Ultrasound in Obstetrics and Gynecology (ISUOG)
	Liaison for China Task Force; Scientific Committee member; Clinical Standard Committee past member
March 2019 – present	Associate Editor, Maternal-Fetal Medicine
October 2018 – present	Editor, Ultrasound in Obstetrics and Gynecology
April 2018 – present	Chair of Hypertension in Pregnancy Subcommittee of FIGO Pregnancy and Prevention of NCD Committee
April 2018 – present	International Faculty, International Society of Ultrasound in Obstetrics and Gynecology
February 2018 – present	Editorial Board member, Fetal Diagnosis Therapy
May 2017 - present	Co-Chair of Special Interest Group for Reproductive Screening, International Society of Prenatal Diagnosis
January 2017 – present	Member of GLOBE Leadership Programme
September 2016 – September 2018	Member of Scientific Committee of the European Association of Perinatal Medicine
June 2015 – April 2018	Lead of Fetal Medicine subdomain, Paediatric GeCIP, 100K Genomes Project, Genomic England
June 2015 - present	Member of Data Monitoring Committee for Preventing Recurrent Gestational Diabetes Mellitus with Early Metfomin Intervention (PRoDroME Trial)
May 2014 – June 2016	Member of Educational Committee of the European Association of Perinatal Medicine
May 2014 – April 2015	Member of Scientific Committee of the 8th International Symposium on Diabetes, Hypertension, Metabolic syndrome and Pregnancy
December 2013 – present	Member of British Maternal Fetal Medicine Society
November 2013 - January 2016	Member of RCOG Maternal Medicine Clinical Study Group
November 2013 - January 2016	Member of RCOG Fetal Medicine Clinical Study Group
September 2013 – January 2016	Independent Clinician of the University College London Clinical Trials Unit Quality Management Group
March 2013 – December 2014	Editor for Trainees, Ultrasound in Obstetrics and Gynecology

5 KEY PUBLICATIONS WITH HIGH IMPACT (H-index 52 on Scopus)

1. Poon LC¶, Rolnik DL, Tan MY, Delgado JL, Tsokaki T, Akolekar R, Singh M, Andrade W, Efeturk T, Jani JC, Plasencia W, Papaioannou G, Blazquez AR, Carbone IF, Wright D, Nicolaides KH.

ASPRE trial: incidence of preterm preeclampsia in patients fulfilling ACOG and NICE criteria according to risk by the FMF algorithm. Ultrasound Obstet Gynecol. 2018 Jun;51(6):738-742.

- This paper has demonstrated that in ACOG or NICE screen positive women that are screen negative by the FMF algorithm the risk of preterm preeclampsia is reduced to within or below background levels.

2. Poon LC, Wright D, Rolnik DL, Syngelaki A, Delgado JL, Tsokaki T, Leipold G, Akolekar R, Shearing S, De Stefani L, Jani JC, Plasencia W, Evangelinakis N, Gonzalez-Vanegas O, Persico N, Nicolaides KH. ASPRE trial: effect of aspirin in prevention of preterm preeclampsia in subgroups of women according to their characteristics and medical and obstetrical history. Am J Obstet Gynecol. 2017 Nov;217(5):585.e1-585.e5. doi: 10.1016/j.ajog.2017.07.038. Epub 2017 Aug 4.

- This paper has demonstrated that high-risk women with chronic hypertension do not respond to Aspirin prophylaxis in the prevention of preterm preeclampsia.

3. Rolnik DL, Wright D, Poon LC*, O'Gorman N, Syngelaki A, de Paco Matallana C, Akolekar R, Cicero S, Janga D, Singh M, Molina FS, Persico N, Jani JC, Plasencia W, Papaioannou G, Tennebaum Gavish K, Meiri H, Gizurarson S, Maclagan K, Nicolaides KH. Aspirin versus Placebo in Pregnancies at High Risk of Preterm Preeclampsia. N Engl J Med. 2017 Aug 17;377(7):613-622. doi: 10.1056/NEJMoa1704559. Epub 2017 Jun 28.

- This paper has demonstrated that Aspirin 150 mg per day from 12 till 36 weeks' gestation given to high-risk women decreases the rate of preeclampsia requiring delivery before 37 weeks' gestation by 62%.

4. O'Gorman N, Wright D, Poon LC*, Rolnik DL, Syngelaki A, Wright A, Akolekar R, Cicero S, Janga D, Jani J, Molina FS, de Paco Matallana C, Papantoniou N, Persico N, Plasencia W, Singh M, Nicolaides KH. Accuracy of competing risks model in screening for pre-eclampsia by maternal factors and biomarkers at 11-13 weeks' gestation. Ultrasound Obstet Gynecol. 2017 Jun;49(6):751-755. doi: 10.1002/uog.17399. Epub 2017 May 14.

- This paper has demonstrated that effective first-trimester screening for preeclampsia requiring delivery before 37 weeks' gestation by a combination of maternal factors and biomarkers can be applied in 12 centres across 5 countries in Europe.

5. Poon LC, Kametas NA, Maiz N, Akolekar R, Nicolaides KH. First-trimester prediction of hypertensive disorders in pregnancy. Hypertension 2009; 53: 812-818.

- This paper has demonstrated the first early prediction model that utilises maternal factors and biomarkers at 11-13 weeks that is effective in identifying women at high risk for subsequent development of hypertensive disorders in pregnancy.

COMPLETE LIST OF PUBLICATIONS

1. Li X, Milosavljevic A, Elsea SH, Wang CC, Scaglia F, Syngelaki A, Nicolaides KH, Poon LC*¶. Effective Aspirin Treatment of Women at Risk for Preeclampsia Delays the Metabolic Clock of Gestation. Hypertension 2021 Jul 6;HYPERTENSIONAHA12117448. doi: 10.1161/HYPERTENSIONAHA.121.17448. Online ahead of print.

2. Dubon Garcia A, Devlieger R, Redekop K, Vandeweyer K, Verlohren S, Poon LC*. Cost-utility of a first-trimester screening strategy versus the standard of care for nulliparous women to prevent pre-term pre-eclampsia in Belgium. Pregnancy Hypertens 2021 Jul 1;25:219-224.

3. Sin WTA, Poon LC, Chaemsaithong P, YMI Wah, Hui SYA, Ting YH, Law KM, Leung TY, Sahota DS. Impact of replacing or adding placental growth factor on Down syndrome screening: a prospective cohort study. Prenatal Diagn 2021, in press.

4. Kamel R, Garcia FSM, Poon LC, Youssef A. The usefulness of ultrasound before induction of labor. Am J Obstet Gynecol MFM 2021 Jun 12;100423. doi: 10.1016/j.ajogmf.2021.100423.

5. McIntyre HD, Oats JJN, Kihara AB, Divakar H, Kapur A, Poon LC, Hod M. Update on diagnosis of hyperglycemia in pregnancy and gestational diabetes mellitus from FIGO's Pregnancy & Non-Communicable Diseases Committee. Int J Gynaecol Obstet 2021 Aug;154(2):189-194.

6. Melamed N, Baschat A, Yinon Y, Athanasiadis A, Mecacci F, Figueras F, Berghella V, Nazareth A, Tahlak M, McIntyre HD, Da Silva Costa F, Kihara AB, Hadar E, McAuliffe F, Hanson M, Ma RC, Gooden R, Sheiner E, Kapur A, Divakar H, Ayres-de-Campos D, Hiersch L, Poon LC, Kingdom J, Romero R, Hod M. FIGO (international Federation of Gynecology and obstetrics) initiative on fetal growth: best practice advice for screening, diagnosis, and management of fetal growth restriction. Int J Gynaecol Obstet 2021 Mar;152 Suppl 1(Suppl 1):3-57.

7. Kwan AHW, Chaemsaithong P, Wong L, Ting W, Hui ASY, Poon LC, Leung TY. Transperineal ultrasound assessment of fetal head elevation by maneuvers used for managing umbilical cord prolapse. Ultrasound Obstet Gynecol 2020 Nov 21. doi: 10.1002/uog.23544.

8. Shen L, Martinez-Portilla RJ, Rolnik DL, Poon LC*¶. ASPRE trial: risk factors for development of preterm preeclampsia despite aspirin prophylaxis. Ultrasound in Obstet and Gynecology 2021, 2021 May 16. doi: 10.1002/uog.23668.

9. Poon LC¶, Leung BW, Ma T, Yu FNY, Kong CW, Lo TK, So PL, Leung WC, Shu W, Cheung KW, Moungmaithong S, Wang CC. Relationship between viral load, infection-to-delivery interval and mother-to-child transfer of anti-SARS-CoV-2 antibodies. Ultrasound in Obstet and Gynecology 2021, 2021 Jun;57(6):974-978.

10. Feng Q, Duan H, Ju X, Appiah K, Yip KM, Tai Y, Sun Q, Chaemsaithong P, Poon LC*¶. Prediction of spontaneous preterm birth by cervical length in the first trimester of pregnancy: comparison of two measurement methods. Acta Obstetricia et Gynecologica Scandinavica 2021, 2021 Jul;100(7):1305-1312.

11. Chaemsaithong P, Chung MY, Sun Q, Kwan AHW, Appiah K, Huang J, Chong KC, Poon LC. Comparison of cardiac indices during pregnancy between non-invasive automated device and two-dimensional echocardiography: a longitudinal study. Journal of Maternal-Fetal & Neonatal Med 2020, in press.

12. Ucyigit A, Fuller JL, Poon LC, Johns J, Ross JA. The significance of low first trimester serum progesterone in ongoing early pregnancies presenting as pregnancies of unknown location. Eur J Obstet Gynecol Reprod Biol. 2021 Jan 12;258:294-298. doi: 10.1016/j.ejogrb.2021.01.013.

13. Leung HHY, Ip JKH, Chan AYW, Ngai PCY, Poon LC¶. How has COVID-19 impacted obstetrics? Hong Kong J Gynaecol Obstet Midwifery 2021; 21(1):9-11

14. Tse OYO, Jiang P, Cheng SH, Peng W, Shang H, Wong J, Chan SL, Poon LC, Leung TY, Chan KCA, Chiu RWK, Lo YMD. Genomewide detection of cytosine methylation by single molecule real-time sequencing. Proc Natl Acad Sci U S A. 2021 Feb 2;118(5):e2019768118. doi: 10.1073/pnas.2019768118.

15. Tse WT, Poon LC, Wah YM, Hui ASY, Ting YH, Leung TY. Bronchopulmonary sequestration successfully treated with prenatal radiofrequency ablation of the feeding artery: a case report. Ultrasound Obstet Gynecol. 2020, in press. Ultrasound Obstet Gynecol. 2020 Sep 8. doi: 10.1002/uog.23110. Online ahead of print.

16. Martinez Portilla RJ; Smith ER, He S, Torres Torres J, Espino-Y-Sosa S, Solis-Paredes JM, Poon LC. Young pregnant women are also at an increased risk of mortality and severe illness due to COVID-19: Analysis of the Mexican National Surveillance Program. Am J Obstet Gynecol 2020 Dec 17;S0002-9378(20)32573-4.

17. Martinez Portilla RJ, Sotiriadis A, Chatzakis C, Torres-Torres J, Espino y Sosa S, Sandoval-Mandujano K, Castro-Bernabe DA, Medina-Jimenez V, Monarrez-Martin JC, Figueras F, Poon LC¶. Pregnant women with SARS-CoV-2 infection are at higher risk of death and severe pneumonia: propensity score-matched analysis of a nationwide prospective cohort study (COV19Mx). Ultrasound Obstet Gynecol 2020 Dec 15. doi: 10.1002/uog.23575.

18. Jiang P, Xie T, Ding SC, Zhou Z, Cheng SH, Chan RWY, Lee WS, Peng W, Wong J, Wong VWS, Chan HLY, Chan SL, Poon LCY, Leung TY, Chan KCA, Chiu RWK, Lo YMD. Detection and characterization of jagged ends of double-stranded DNA in plasma. Genome Res 2020; 30: 1144-53.

19. Cui D, Liu Y, Jiang X, Ding C, Poon LC¶, Wang H, Yang H. Single-cell RNA expression profiling of ACE2 and TMPRSS2 in the human trophectoderm and placenta. Ultrasound Obstet Gynecol. 2021 Feb;57(2):248-256. doi: 10.1002/uog.22186.

20. Wong L, Tse WT, Lai CY, Hui ASY, Chaemsaithong P, Sahota DS, Poon LC, Leung TY. Bradycardia-to-delivery interval and fetal outcomes in umbilical cord prolapse: a retrospective study. Acta Obstetricia et Gynecologica Scandinavica 2021 Jan;100(1):170-177. doi: 10.1111/aogs.13985.

21. Goto M, Koide K, Tokunaka M, Takita H, Hamada S, Nakamura M, Matsuoka R, Sekizawa A, Poon LC. Accuracy of the FMF Bayes theorem-based model for predicting preeclampsia at 11–13 weeks of gestation in a Japanese population. Res. 2020 Nov 6. doi: 10.1038/s41440-020-00571-4.

22. Rolnik DL, Nicolaides KH, Poon LC¶. Prevention of preeclampsia with aspirin. American Journal of Obstetrics and Gynecology 2020 Aug 21:S0002-9378(20)30873-5. doi: 10.1016/j.ajog.2020.08.045.

23. Guo J, Chaemsaithong P, Huang J, Chung JPW, Huang J, Poon LC, Li TC. A comparison of blood flow characteristics between failing and ongoing pregnancy at 6 weeks of gestation after assisted reproductive technology. International J Gynecol Obstets 2021 Feb;152(2):249-255. doi: 10.1002/ijgo.13371. Epub 2020 Sep 30.

24. Martinez-Portilla RJ, Poon LC, Benitez-Quintanilla L, Sotiriadis A, Lopez M, Lip-Sopa DL, Figueras F. Incidence of preeclampsia and other perinatal complications among women with congenital heart diseases: systematic review and meta-analysis. Ultrasound Obstet Gynecol. 2020, 2020 Aug 8. doi: 10.1002/uog.22174.

25. Lees CC, Stampalija T, Baschat A, da Silva Costa F, Ferrazi E, Figueras F, Hecher K, Kingdom J, Poon LC, Salomon LJ. ISUOG Practice Guidelines: diagnosis and management of small-for-gestational-age fetus and fetal growth restriction. Ultrasound Obstet Gynecol. 2020 DOI: 10.1002/uog.22134.

26. Ting YH, Poon LC, Tse WT, Chung MY, Wah YM, Hui ASY, Law KM, Chaemsaithong P, Leung TY. Outcomes of radiofrequency ablation for selective fetal reduction in complicated monochorionic pregnancies performed before 16 gestational weeks and thereafter. Ultrasound Obstet Gynecol. 2020 Jul 30. doi: 10.1002/uog.22160. Online ahead of print.

27. Chaemsaithong P, Sahota, D, Poon LC¶. First trimester preeclampsia screening and prediction. American Journal of Obstetrics and Gynecology 2020, Jul 16;S0002-9378(20)30741-9. doi: 10.1016/j.ajog.2020.07.020.

28. Kajdy A, Feduniw S, Modzelewski J, Baranowska B, Sys D, Pokropek A, Jasiak H, Lewandowska R, Kwiatkowski S, Ajdacka U, Poon LC*. Risk factors for anxiety and depression among pregnant women during the COVID-19 pandemic – a web-based cross-sectional survey study protocol. Medicine: July 24, 2020 - Volume 99 - Issue 30 - p e21279 doi: 10.1097/MD.0000000000021279.

29. Sun Y, Zhang L, Dong D, Li X, Wang J, Yin C, Poon LC¶, Tian J, Wu Q. First-trimester screening for trisomy 21 via an individualized nomogram. Ultrasound Obstet Gynecol. 2020 May 21. doi: 10.1002/uog.22087.

30. Li W, Chung CYL, Wang CC, Chan TF, Leung MBW, Chan OK, Wu L, Appiah K, Chaemsaithong P, Cheng YKY, Poon LCY, Leung TY. Monochorionic twins with selective fetal growth restriction: insight from placental whole transcriptome analysis. Am J Obstet Gynecol. 2020 Nov;223(5):749.e1-749.e16. doi: 10.1016/j.ajog.2020.05.008.

31. Juan J, Gil MM, Rong Z, Zhang Y, Yang H, Poon LC*¶. Effects of coronavirus disease 2019 (COVID-19) on maternal, perinatal and neonatal outcomes: a systematic review. Ultrasound Obstet Gynecol. 2020 Jul;56(1):15-27. doi: 10.1002/uog.22088.

32. Poon LC¶, Yang H, Dumont S, Lee JCS, Copel JA, Danneels L, Wright A, Da Silva Costa F, Leung TY, Zhang Y, Chen D, Prefumo F. ISUOG Interim Guidance on coronavirus disease 2019 (COVID-19) during pregnancy and puerperium: information for healthcare professionals - an update. Ultrasound Obstet Gynecol. 2020 Jun;55(6):848-862. doi: 10.1002/uog.22061.

33. Duan H, Chaemsaithong P, Ju X, Ho SYS, Sun Q, Tai YY, Leung TY, Poon LC*¶. Shear-wave sonoelastographic assessment of cervix in pregnancy. Acta Obstet Gynecol Scand. 2020 Nov;99(11):1458-1468. doi: 10.1111/aogs.13874. Epub 2020 May 15.

34. Yan J, Guo J, Fan C, Juan J, Yu X, Li J, Feng L, Li C, Chen H, Qiao Y, Lei D, Wang C, Xiong G, Xiao F, He W, Pang Q, Hu X, Wang S, Chen D, Zhang Y, Poon LC¶, Yang H. Coronavirus disease 2019 (COVID-19) in pregnant women: A report based on 116 cases. Am J Obstet Gynecol. 2020 Apr 23:S0002-9378(20)30462-2. doi: 10.1016/j.ajog.2020.04.014.

35. Kwiatkowski S, Borowski D, Kajdy A, <u>Poon LC</u>, Rokita W, Wielgoś M. Why we should not stop giving aspirin to pregnant women during the COVID-19 pandemic. Ultrasound Obstet Gynecol. 2020 Apr 18. doi: 10.1002/uog.22049. Online ahead of print.

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ORAL PRESENTATIONS

October 2019	29th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Berlin, Germany.

- *Validation of screening performance of 1st trimester prediction algorithm for PE in Asian population*
- *Labor progress determined by ultrasound is different in women requiring Cesarean delivery from those who experience a vaginal delivery following induction of labor (Best Short Oral Presentation)*

June 2019	18th World Congress in Fetal Medicine, Alicante, Spain.
	• *Preterm preeclampsia: implementation of first-trimester screening in Asia*
	• *Gestational changes of cervical consistency in singleton and twin pregnancies*

| October 2018 | 28th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Singapore. |
| | • *ASPRE trial: incidence of preterm PE in patients fulfilling ACOG and NICE criteria according to risk by the FMF algorithm* |

August 2018	International Fetal Medicine and Surgery Society 37th Annual Meeting Bali, Indonesia.
	• *Measurement of Sylvian fissure angle at 18-30 weeks' gestation*
	• *Measurement of biomarkers for first-trimester preeclampsia screening in Asia*
	• *PE screening at 11-13 wks: Validation of FMF algorithm in Asia*

| July 2018 | 22nd International Conference on Prenatal Diagnosis and Therapy, Antwerp, Belgium. |
| | • *ASPRE trial: incidence of preterm PE in patients fulfilling ACOG and NICE criteria according to risk by the FMF algorithm* |

June 2018	17th World Congress in Fetal Medicine, Athens, Greece.
	• *Ultrasound prediction of successful induction of labour*
	• *Measurement of Sylvian fissure angle at 18-30 weeks' gestation*
	• *External validation of preeclampsia prediction model in Asia*

| September 2017 | 27th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Vienna, Austria. |
| | • **_Top abstract:_** *Aspirin versus placebo in pregnancies at high-risk of preterm pre-eclampsia: a multicentre, double-blind, placebo-controlled trial* |

June 2017	16th World Congress in Fetal Medicine, Ljubljana, Slovenia.
	• *1st trimester: new technique for uterine artery Doppler*
	• *ASPRE trial: prevention of preterm PE*

September 2016	26th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Rome, Italy.
	• **_Top abstract:_** *Contingent model for the prediction of small for gestational age neonates*
	• *Competing risks model in screening for preeclampsia by maternal factors and biomarkers at 11-13 weeks gestation.*

| June 2016 | 15th World Congress in Fetal Medicine, Mallorca, Spain. |
| | • *Stillbirth: distribution of birth weight* |

| June 2015 | 14th World Congress in Fetal Medicine, Crete, Greece. |
| | • *cfDNA test: Performance of the IONA test at 11-13 weeks* |

| June 2014 | 13th World Congress in Fetal Medicine, Nice, France. |
| | • *ASPRE trial* |

| June 2013 | 12th World Congress in Fetal Medicine, Marbella, Spain. |
| | • *Meta-analysis of second-trimester markers for trisomy 21* |

September 2012	1st International Conference on Fetal Growth, Birmingham, UK.
	• *Birthweight with gestation and maternal characteristics in live births and stillbirths*
	• *Second-trimester uterine artery Doppler in the prediction of stillbirths*

| June 2012 | 11th World Congress in Fetal Medicine, Kos, Greece. |

- *Antenatal prediction of stillbirth*

June 2011	10th World Congress in Fetal Medicine, St Julians, Malta.
	- *Early prediction of preeclampsia in twins*
June 2010	9th World Congress in Fetal Medicine, Rhodes, Greece.
	- *Big babies: Prediction at 11-13 weeks*
	- *Early screening for birth trauma*
November 2009	5th Asia-Pacific Congress in Maternal Fetal Medicine, Hong Kong.
	- *Cervical length assessment – Clinical significance and technical consideration*
	- *Prediction and screening for preeclampsia in the first trimester*
	- *Prediction and prevention of preterm labour*
June 2009	8th World Congress in Fetal Medicine, Portorose, Slovenia.
	- *Prediction of pre-eclampsia: biophysical profile at 11-13 weeks*
March 2009	**<u>Herbert Reiss Trainee Prize</u>** at Royal Society of Medicine, London, the UK.
	- *First-trimester prediction of hypertensive disorders in pregnancy*
February 2009	London Specialty School of Obstetrics and Gynaecology Conference, London, the UK.
	- *First-trimester prediction of hypertensive disorders in pregnancy*
June 2008	7th World Congress in Fetal Medicine, Sorrento, Italy.
	- *Preeclampsia: First trimester PAPP-A, ADAM12 and PlGF*
	- *Maternal serum ADAM12 and PlGF in fetal aneuploidy*
June 2007	6th World Congress in Fetal Medicine, Croatia.
	- *Prediction of pre-eclampsia and fetal growth restriction with blood pressure at 11-14 weeks*

INVITED LECTURES

July 2021 The 6th Chinese Congress of Maternal Fetal Medicine, Guangzhou, China, virtual.
- *Update on 3P2M: Preeclampsia prediction, prevention, monitoring and management*

July 2021 Clinical applications and advances of ultrasound in Obstetrics and Gynaecology ISUOG approved course, Shanghai, China, virtual.
- *SARS-CoV-2 □ □ □ □ □ □ □*
- *□ □ □ □ □ □ □ □ □ □ , □ □ □ □ □ □*

July 2021 KSOGA's Karnataka College of Obstetricians and Gynaecologists International Academic Programme, India, virtual.
- *Dealing with hypertensive disorders & pregnancy...Time to implement FIGO HAP recommendations*

July 2021 cfDNA European Symposium, Florence, virtual.
- *Integrating cfDNA for aneuploidies screening and 1st trimester preeclampsia screening*

June 2021 The Joint 5th World Congress on Twin Pregnancy: A Global Perspective & The 17th Congress of the International Society Twin Studies (ISTS) – Chair of Scientific Committee
- *Prediction of major obstetrical syndromes in twin pregnancy in first trimester*
- *Fetal reductions: techniques and counselling*

June 2021 The Obstetrical and Gynaecological Society of Hong Kong Annual Scientific Meeting 2021, virtual.
- *COVID-19 vaccine in pregnancy*
- *1st trimester preeclampsia prediction and prevention*

June 2021 World Congress of Perinatal Medicine, virtual.
- *1st trimester preeclampsia prediction*

June 2021 Worldwide Session in COVID-19 – Maternal Fetal Medicine Foundation (FIMMF), Columbia, virtual.
- *The impact of SARS-CoV-2 infection on pregnancy*

June 2021 Hong Kong College of Obstetricians and Gynaecologists Postgraduate Seminar, virtual.
- *The impact of SARS-Cov2 infection on pregnancy*

June 2021 The International Liver Congress, European Association for the Study of the Liver, Switzerland, virtual.
- *Predictive markers for gestational hypertensive disease with hepatic impairment*

June 2021 Preeclampsia webinar, Vehbi Koc Foundation American Hospital in collaboration with Koc University, Istanbul, Turkey, virtual.
- *Risk factors for development of preterm preeclampsia despite aspirin prophylaxis*

June 2021 45th Society of Gynecology and Obstetrics of the Rio de Janeiro and the Brazilian Association of Pathology of the Lower Genital Tract and Colposcopy - Chapter Rio de Janeiro, Brazil, virtual.
- *The impact of SARS-Cov2 infection on pregnancy*
- *Prediction and prevention of preeclampsia*

May 2021 Worldwide Session in Preeclampsia and Hypertensive Disorders in Pregnancy – Maternal Fetal Medicine Foundation (FIMMF), Columbia, virtual.
- *Preeclampsia prediction and prevention: Worldwide statement*

May 2021	The 2nd International Day of Preeclampsia Awareness Meeting, Mexico, virtual.
	• *Preeclampsia prediction and prevention: Tips and considerations*
May 2021	2021 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□, Xiamen, China, virtual.
	• *First trimester prediction and prevention of preeclampsia*
May 2021	Preeclampsia Day forum, Fuzhou, China, virtual.
	• *Prediction and prevention of preeclampsia*
May 2021	The 27th Annual International Hybrid Conference of the Australasian Sonographers Association, Brisbane, Australia, virtual.
	• ***Keynote:*** *The impact of SARS-Cov2 infection on pregnancy*
May 2021	□□□□□□□□□□□□□□□□□□□, Yunnan, China, virtual.
	• *□□□□□□ (FGR)□□□□□*
May 2021	National Institutes of Health Human Placental Project, US, virtual.
	• *Preeclampsia screening: How different are biomarkers between different populations?*
May 2021	Federation of Obstetrics and Gynecological Societies of India, India, virtual.
	• *Performing Obstetrics Sonography in COVID-19 times*
April 2021	Sociedad Argentina de Diagnostico Prenatal y Tratamiento, Argentina, virtual.
	• ***Opening lecture****: The impact of SARS-Cov2 infection on pregnancy*
March 2021	Emerging topics in NIPT: Twins, Rare Findings and How Ultrasound Can help, virtual.
	• *Expanded screening with NIPT: is more better?*
March 2021	International Workshop on Prenatal Screening, Germany, virtual.
	• *First trimester preeclampsia screening implementation in Hong Kong*
March 2021	The 3rd World Congress on Maternal, Fetal and Neonatal medicine, Italy, virtual.
	• *Epidemiological data for perinatal COVID-19*
	• *FGR and stillbirth: does size matter?*
	• *Prediction, prevention, monitoring and management of hypertension in pregnancy*
February 2021	Congresso Internaticional Medicina materno fetal y cuidado crítico obstetrico, Columbia, virtual.
	• *Prediction and prevention of preeclampsia*
February 2021	Federation of Obstetrics and Gynecological Societies of India-Indian College of Obstetricians and Gynaecologists National Conference on Non Communicable Diseases in Obgyn, India, virtual.
	• *Early prediction of preeclampsia*
February 2021	Zooming in on preeclampsia seminar series, US, virtual.
	• *From ASPRE to FIGO: implementation of 1st trimester prediction & prevention of PE*
January 2021	The 41st Society for Maternal-Fetal Medicine (SMFM) Annual Pregnancy Meeting, the United States of America, virtual.
	• *Uterine artery Doppler in Obstetrics*
	• *Preeclampsia risk assessment models, including novel approaches for assessing placental function during pregnancy*

January 2021	Ultrasound in Obstetrics and Gynecology – the current state of the art around the world, the United Kingdom, virtual.
	• *The impact of SARS-CoV-2 infection on pregnant women*
December 2020	Hellenic Society for Maternal Fetal Medicine, Greece, virtual.
	• *Effect of COVID-19 on maternal, perinatal and neonatal outcome*
December 2020	FIGO Africa Regional Kigali Congress, Africa, virtual.
	• *Best practice advice in 2020: FIGO Hypertension in Pregnancy Guidelines –Prediction and Prevention 1st Trimester and Diagnosis and management in 2nd/3rd- the African solution*
November 2020	The International Association of the Diabetes and Pregnancy Study Groups (IADPSG 2020) The 36th Annual Meeting of The Japanese Society of Diabetes and Pregnancy (JSDP), Japan, virtual.
	• *Guidance on management of COVID-19 in pregnancy*
November 2020	Philippines Obstetrics and Gynecology Society Annual Convention 2020, virtual.
	• *Prediction and prevention of preeclampsia*
October 2020	The Mexican Federation of Obstetrics and Gynecology Colleges (FEMECOG) International Symposium: Celebrating 60 years, Mexico, virtual.
	• *Effect of COVID-19 in pregnancy*
October 2020	30th International Society of Ultrasound in Obstetrics and Gynecology World Congress, the United Kingdom, virtual.
	• *A comprehensive approach to screening, stratifying, managing and preventing SGA and PE from the first to third trimesters*
September 2020	Asia Pacific Congress in Maternal Fetal Medicine Webinar, Hong Kong, virtual.
	• *Sylvian Fissure Angles Assessment*
August 2020	The 8th International Forum on Obstetrics and Gynecology of Peking University, Beijing, China, virtual.
	• *子口 前期(PE)的早孕期口 口 及口 防*
August 2020	Asia Pacific Congress in Maternal Fetal Medicine Webinar Hong Kong, virtual.
	• *Prediction & prevention of PE*
July 2020	Asia Pacific Congress in Maternal Fetal Medicine Webinar Hong Kong, virtual.
	• *Effect of COVID-19 on pregnancy*
June 2020	World Health Organization (WHO) Western Pacific Region Infection Prevention and Control, Webinar
	• *Medical imaging IPC considerations in the context of COVID-19*
May 2020	Birth Congress Webinar
	• *SARS-CoV-2 and Pregnancy: What we know and international guidelines*
April 2020	Federation of Obstetrics and Gynecological Societies of India, Webinar.
	• *Lecture: Obstetric Scanning in COVID-era*
March 2020	International Society of Ultrasound in Obstetrics and Gynecology Webinar
	• *Obstetric management: immediate actions key points from the ISUOG Interim Guidance*
February 2020	The 40th Society for Maternal-Fetal Medicine (SMFM) Annual Pregnancy Meeting, Hypertension Scientific Forum, Dallas, US.
	• *From ASPRE to FIGO: implementation of preeclampsia screening and prevention strategy*

January 2020	63rd All India Congress of Obstetrics and Gynaecology (AICOG), Lucknow, India. • Implementation of preeclampsia screening and prevention
January 2020	Moscow Health Assembly, Moscow, Russia. • From ASPRE to FIGO: implementation of preeclampsia screening and prevention strategy
December 2019	Advances in Fetal Medicine Course, London. • *First trimester screening of preeclampsia*
November 2019	The 27th Congress on Controversies in Obstetrics, Gynecology and Infertility (COGI), Paris, France • *From conception to birth: healthy babies and healthy mothers following ART*
November 2019	26th Asia and Oceania Federation of Obstetrics and Gynecology (AOFOG) Congress, Manila, the Philippines. • *Predicting dystocia by ultrasound* • ***Plenary****: From ASPRE to FIGO: Implementation of preeclampsia prevention strategy*
November 2019	26th Asia and Oceania Federation of Obstetrics and Gynecology (AOFOG) Congress, Manila, the Phillipines. • *Predicting dystocia by ultrasound* • ***Plenary****: From ASPRE to FIGO: Implementation of preeclampsia prevention strategy*
November 2019	The Annual Congress of O&G Yunnan Medical Association, Dali, China • *FIGO guidelines on preeclampsia prevention*
October 2019	29th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Berlin, Germany. • *Late FGR and stillbirth: how strong is the relationship?*
October 2019	ISSHP European Congress, Lund, Sweden. • ***Keynote debate:*** How best to prediction preeclampsia? FMF algorithm vs. NICE recommendations
September 2019	23rd International Conference on Prenatal Diagnosis and Therapy, Singapore. • ***Keynote debate:*** *We should routinely screen all pregnant women in the first trimester for early preeclampsia*
September 2019	33rd Annual Conference AICC RCOG, Kolkata, India. • Evaluating growth restriction and stage based management of FGR • Screening for preeclampsia
July 2019	The 1st Women's Health Innovations & Inventions, Tel Aviv, Israel. • *Can we predict preterm birth? The Carmentix solution* • *Proteomics in the prediction of preeclampsia* • *FIGO guideline on preeclampsia screening and prevention*
June 2019	18th World Congress in Fetal Medicine, Alicante, Spain. • *FIGO guideline on preeclampsia screening and prevention (Chair)*
May 2019	The 10th International Symposium on Diabetes, Hypertension, Metabolic Syndrome and Pregnancy, Florence, Italy. • ***Plenary:*** *FIGO guideline on preeclampsia screening and prevention* • ***Plenary:*** *Prediction and prevention of early preeclampsia – lessons from the ASPRE study* • *Effective prevention of preeclampsia and factors that influence the treatment effect of aspirin*

	• *Can the ASPRE approach be implemented elsewhere?*
May 2019	The 3rd Seoul Ian Donald Ultrasound Conference, Seoul, South Korea. • *Prediction and prevention of preeclampsia* • *Prevention of preterm birth*
May 2019	The 19th Vietnam-France-Asia-Pacific Conference on Obstetrics and Gynecology, Ho Chi Minh City, Vietnam. • *Preeclampsia screening: first trimester is the key* • *FIGO guidelines for preeclampsia screening*
April 2019	The 15th Singapore ISUOG Approved Course in conjunction with the 4th Essential O&G Ultrasound Training Course, Singapore. • *Prediction and prevention of preeclampsia* • *Show and Tell – First trimester scans – what you should not miss*
April 2019	The 15th Asia Pacific Congress in Maternal Fetal Medicine, Beijing, China. • *How to manage after one IUD in MCDA twins?* • *Progesterone: does it work in twins?* • *Classification of selective fetal growth restriction in monochorionic twins*
April 2019	2019 International Federation of Fertility Societies World Congress, Shanghai, China. • *From conception to birth: how to have a healthy baby to take home following ART*
April 2019	The 2nd World Congress on Maternal Fetal Neonatal Medicine, London, the UK. • ***Plenary:*** *Prediction and prevention of preeclampsia*
March 2019	The 3rd Talk Battle on Maternal Fetal Medicine. The 11th Advanced Seminar Japan Ian Donald Ultrasound Course, Osaka, Japan. • *Update on Asia-wide study in preeclampsia screening*
March 2019	The Fifth Zhongshan Maternal-Fetal Care forum, Guangzhou, China. • *Prediction and prevention of preeclampsia*
January 2019	Bernese Ultrasound and Perinatology Congress au Château, Konolfingen, Switzerland. • *Keynote speech: How to prevent preeclampsia*
December 2018	Training course on early preeclampsia screening, Kunming, China. • *Prediction and prevention of preeclampsia* • *Fetal Dopplers in the management of fetal growth restriction*
December 2018	Advances in Fetal Medicine Course, London. • *FIGO guideline for first trimester screening and prevention of PE*
November 2018	FOCUS in O&G 2018 Congress, Hong Kong SAR. • *Prediction and prevention of preeclampsia: implementation*
November 2018	The 5th Pearl River Perinatology Summit Forum and The 2nd Guangdong-Hong Kong-Macao Greater Bay Area Maternal-Fetal Medicine Forum, Guangzhou, China. • *Prediction and prevention of preeclampsia*
November 2018	The 7th Across-Strait Perinatal Medicine Academic Conference, Fuzhou, China. • *Prediction and prevention of preeclampsia*
November 2018	The 10th Annual Taiji Clinic Fetal Medicine Workshop, Taipei, Taiwan. • *Measurement of Sylvian fissure angle at 18-30 weeks' gestation*

	• *Screening of preeclampsia*
October 2018	28th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Singapore. • *Ultrasound in preventing the great obstetric problems: preeclampsia*
October 2018	The 22nd International Federation of Gynecology and Obstetrics World Congress, Rio de Janeiro, Brazil. • *Precongress workshop in maternal and offspring health and NCD: Prevention of preeclampsia; FIGO Best Practice Recommendation: First trimester screening and prevention of preeclampsia in singleton pregnancy* • *Prevention of preeclampsia* • *Ultrasound measurement of cervical length: tips, tricks and shortcomings*
September 2018	International Perinatal Education Seminar, Beijing, China. • *First trimester prediction and prevention of preeclampsia*
September 2018	The 26th European Congress of Perinatal Medicine, St Petersburg, Russia. • ***Plenary:*** *Do we have an answer from ASPRE?* • *Preeclampsia screening at 11-13 weeks* • *Are we ready to implement 1st trimester screening and prevention of PE?* • *FIGO Best Practice Recommendation: First trimester screening and prevention of preeclampsia in singleton pregnancy*
August 2018	Non-invasive Prenatal Testing Forum, Bangkok, Thailand. • *Updated evidence and implementation models of cfDNA testing* • *Biological considerations around cfDNA testing results and interpretation*
August 2018	The 4th Asia Pacific Congress in Fetal Therapy, Bali, Indonesia. • *Best method to predict pulmonary hypoplasia*
June 2018	The 4th ISUOG approved course, Clark, the Philippines. • *Uterine artery Doppler: its clinical utility* • *Screening and prevention of preeclampsia*
May 2018	The 2nd BCM-CUHK-Fudan Joint Symposium in Genetics cum the 14th Asia Pacific Congress in Maternal Fetal Medicine, Hong Kong SAR. • *Ultrasound partogram in the first stage of labor* • *Progesterone for singletons: controversies from current evidence* • *Prevention of preterm birth in multiple pregnancy* • *Latest from ASPRE: what happens to low risk women and impact on neonatal outcomes*
May 2018	The 4th Nordic Network of Fetal Medicine, Reykjavik, Iceland. • *The ASPRE trial*
April 2018	FIGO (International Federation of Gynecology and Obstetrics) Regional Congress of Middle East & Africa, Dubai, UAE. • *Prenatal prediction of great obstetric syndrome*
March 2018	The 12th Jiangsu Province Prenatal Diagnosis and Fetal Medicine Advanced Course, Nanjing, China. • *Challenges in Obstetrics Clinical Research*
March 2018	The 2nd Talk battle on Maternal Fetal Medicine and 10th Advanced Seminar, Japan Ian Donald Ultrasound Course, Osaka, Japan. • *Is the MCA Doppler the window to fetal wellbeing?*

	• *Latest from ASPRE: what happens to low risk women and impact on neonatal outcomes*
February 2018	Ferring's 4th Obstetrics and Gynaecology Regional Conference "Beyond the Frontiers in Obstetrics and Gynaecology", Cairo, Egypt. • ***Keynote***: *Interventions that matter in the first trimester* • ***Keynote:*** *Preeclampsia and its complications; What's New?*
January 2018	Obstetric Emergency and Preeclampsia Screening and Prevention Training Course, Kunming, China. • *First trimester screening of preeclampsia* • *Fetal Dopplers in fetal growth restriction*
January 2018	The 2nd National Congress of Vietnamese Society of Ultrasound in Medicine, Ho Chi Minh City, Vietnam. • *Screening and prevention of preeclampsia: experience from ASPRE* • *Can spontaneous preterm birth be predicted by ultrasound?*
November 2017	Global Obstetric Update 2017, Melbourne, Australia. • *Term and preterm fetal growth restriction: Is the middle cerebral artery Doppler the window to fetal wellbeing?* • *Preeclampsia: Can we prevent it? Results of the ASPRE trial* • *The face of Obstetrics in Hong Kong*
November 2017	The Joint 4th World Congress on Twin Pregnancy and 16th Congress of the International Society of Twin Studies, Madrid, Spain. • *Prediction of major obstetrical syndromes in twin pregnancy in first trimester*
October 2017	APAC Workshop on Prenatal Screening, Bangkok, Thailand. • *ASPRE: new insights of pre-eclampsia management*
October 2017	The 16th World Federation for Ultrasound in Medicine and Biology Congress, Taipei, Taiwan. • *First trimester prediction of preeclampsia by ultrasound* • *Can spontaneous preterm birth be predicted by ultrasound?*
September 2017	Obstetric Forum, Madrid, Spain. • ***Keynote:*** *Interventions which matter in the first trimester*
September 2017	ISSHP European Congress, Berlin, Germany. • ***Keynote:*** *Lessons learned from the ASPRE trial*
September 2017	13th Asia-Pacific Congress in Maternal Fetal Medicine, New Delhi, India. • *First stage of labour: can angle of progression replace cervical dilatation in monitoring labour progress?* • ***Suman Kher Oration:*** *Aneuploidies screening: past, present and future* • *All you need to know about early aspirin prophylaxis for the prevention of preeclampsia* • *Routine 3rd trimester ultrasound for growth and Doppler to detect IUGR and prevent stillbirth* • *Moving towards the new pyramid model*
July 2017	21st International Conference on Prenatal Diagnosis and Therapy, San Diego, C.A., United States. • *Is preeclampsia preventable by aspirin? Results from the ASPRE study*
June 2017	25th Asian & Oceanic Congress of Obstetrics and Gynaecology (AOCOG), Hong Kong. • *Are we ready for aspirin prophylaxis?*

	• *Is progesterone a promising preventive measure?*
May 2017	1st BCM-CUHK Joint Symposium in Clinical Genetics, Hong Kong. • *NIPT in twin pregnancy* • *Isolated minor malformation: should we do CMA?*
May 2017	International Workshop on Prenatal Screening, Berlin, Germany. • *ASPRE study*
April 2017	The 1st World Congress in Maternal Fetal Neonatal Medicine, London. • *Algorithms for the prediction of preeclampsia*
March 2017	The 9th International Symposium on Diabetes, Hypertension, Metabolic Syndrome and Pregnancy, Barcelona, Spain • ***Plenary:*** *Can preeclampsia be predicted and prevented?* • *Prevention of preeclampsia by aspirin: Results from multi-center randomized prospective study: ASPRE* • *First-trimester maternal risk assessment- impact of introduction into routine public health program - SPREE*
February 2017	OBFEGYN 2017, Dubai, United Arab Emirates. • *Preterm labour – screening and diagnosis* • *Cerclage – current evidence* • *Risk assessment for preeclampsia*
December 2016	Advances in Fetal Medicine Course, London. • *Prediction of preeclampsia: Validation of 1st trimester algorithm*
November 2016	Ferring Symposium, Hong Kong. • Induction of labour to improve birth outcome
October 2016	12th Asia-Pacific Congress in Maternal Fetal Medicine, Penang, Malaysia. • Preterm delivery in twins: Is it natural or preventable? • Is first trimester screening for preeclampsia cost-effective? • ASPRE update
September 2016	26th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Rome, Italy. • How to pick up a small fetus from the first trimester to late pregnancy?
August 2016	Ian Donald Course: Imaging in Fetal Neurology, Hong Kong. • Isolated ventriculomegaly: how shall we counsel? • 1st and 2nd trimester assessment of spina bifida
June 2016	24th European Congress in Perinatal Medicine, Maastricht, the Netherlands. • *Aspirin prophylaxis for preeclampsia* • *How to identify the third trimester fetus at risk of stillbirth?* • *The role of NT scan in modern perinatal medicine*
May 2016	The 6th Chinese Congress of Fetal Medicine, Shanghai, China • *Prediction and prevention of preeclampsia* • *How to measure cervical length, and when to intervene?*
May 2016	Joint Meeting of the 6th Annual Scientific Meeting of the Obstetrical and Gynaecological Society of Hong Kong and the Ovarian Club VII Meeting • *Ultrasound monitoring & timing of delivery for IUGR in the 3rd trimester* • *Prediction of pre-eclampsia & aspirin prophylaxis*
May 2016	16th Vietnam - France - Asia - Pacific Conference on Obstetrics and Gynecology. • *Prediction for a successful induction of labour*

	• *Prediction and prevention of preeclampsia*
April 2016	12ᵗʰ ISUOG Outreach Course, Singapore • *Prediction for a successful induction of labour* • *Prediction and prevention of preeclampsia* • *Integrating first trimester screening and NIPT* • *When and how should we screen for late onset IUGR* • *Imaging, measurement and assessment of the cervix*
March 2016	Latest news on screening and prevention of preeclampsia, Karolinska University, Stockholm • *Prediction and Prevention of preeclampsia*
March 2016	Hong Kong College of Obstetricians and Gynaecologists Postgraduate Seminar • *Prediction and Prevention of preterm birth*
December 2015	Advances in Fetal Medicine Course, London. • *Whole genome sequencing*
November 2015	11ᵗʰ Asia-Pacific Congress in Maternal Fetal Medicine, Taiwan. • *Prediction of Preterm labour with USG: advantages and limitation* • *SGA: timing of 3rd trimester scan* • *Accurate Measurement of uterine artery Doppler: technique and pitfall*
July 2015	19ᵗʰ International Conference on Prenatal Diagnosis and Therapy, Washington, D.C., United States. • *Pregnancy Outcomes, Placenta Markers and Screening: An Update – Biomarkers Progress Made* • *How best to predict preeclampsia* • **Keynote debate:** *Is there value in obtaining a first trimester US (nuchal translucency) in the era of NIPT?*
June 2015	14ᵗʰ World Congress in Fetal Medicine, Crete, Greece. • *SGA: Timing of the third trimester scan*
June 2015	31ˢᵗ International Congress "The Fetus as a Patient", St Petersburg, Russia. • *The new Pyramid of pregnancy care* • *First trimester screening of preeclampsia and IUGR*
May 2015	11ᵗʰ ISUOG Outreach Course in conjunction with the 6th Scientific Congress of the College of O&G, Singapore Professional Development Conference • *Euploid thick NT – What else do I need to do?* • *Integrating first trimester screening with non-invasive prenatal testing* • *Pre-eclampsia and Fetal growth restriction: prediction* • *Debate: All pregnant women should have invasive testing performed for chromosomal microarray tests*
April 2015	The 8ᵗʰ International Symposium on Diabetes, Hypertension, Metabolic syndrome and Pregnancy, Berlin, Germany. • *First trimester screening of preeclampsia and fetal growth restriction* • *The fetal medicine hypothesis: Prediction and prevention of pregnancy induced complications in the 1st trimester* • *Towards a solution - The ASPRE Study* • *Prediction and prevention of preeclampsia*
April 2015	Molecular Diagnostics Europe, Lisbon, Portugal. • *Sequencing of Cell-free DNA as a Marker of Risk for Common Aneuploidies, Pre-term Labor and Preeclampsia*
December 2014	Advances in Fetal Medicine Course, London, the UK. • *Third trimester screening for SGA*

November 2014	6th Asia Pacific Congress on Controversies in Gynecology, Infertility and Ultrasound, Ho Chi Minh City, Vietnam.
	• *The use of ultrasound & other markers for early detection of preeclampsia*
	• *Universal screening for preterm delivery by US*
November 2014	Association of Early Pregnancy Unit Conference, Winchester, the UK.
	• *How should we counsel women who have had cervical treatments?*
September 2014	24th International Society of Ultrasound in Obstetrics and Gynecology World Congress, Barcelona, Spain.
	• ***Stuart Campbell Lecture:*** *Hypertensive disorders: improving perinatal outcomes*
August 2014	10th Asia-Pacific Congress in Maternal Fetal Medicine, Singapore.
	• *Biophysical and biochemical markers for preeclampsia*
	• *Prediction of Preterm delivery and prophylactic progesterone*
	• *Reversed pyramid model: does it really work?*
June 2014	23rd European Congress in Perinatal Medicine, Florence, Italy.
	• *How to prevent early and late SGA?*
April 2014	Prenatal Evaluation of Preeclampsia and cfDNA workshop, Lisbon, Portugal.
	• *Early prediction of preeclampsia*
September 2013	The 2nd International Conference on Fetal Growth, University of Maryland, Baltimore, the United States.
	• *Prediction of SGA and adverse perinatal outcomes*
September 2013	Manila Central University 21st Annual Postgraduate Course in OBGYN Ultrasound and Master Course on First trimester Screening Scan, Manila, The Philippines.
	• *Early diagnosis of fetal defect*
	• *Screening for aneuploidy*
	• *Screening for preeclampsia*
May 2013	Building Consensus out of Controversies in Gynecology, Infertility and Perinatology (BCGIP-COGI), Istanbul, Turkey.
	• *Identification of early vs late onset preeclampsia at different time points in pregnancy*
	• *The first trimester: non-invasive prenatal predictors of maternal and fetal disease*
	• *Aneuploidy: sonography*
March 2013	Down's Syndrome Study Day, St George's Hospital, London, UK.
	• *Second-trimester soft markers*
February 2013	17th Chulalongkorn University Maternal Fetal Medicine Conference and Hands-on Workshop on "Future Trend in Prenatal Screening and Diagnosis: A Practical Approach", Bangkok, Thailand.
	• *FMF screening algorithm*
	• *First trimester prediction of preeclampsia*
December 2012	4th Advanced Course in First Trimester Screening, Singapore.
	• *Screening for aneuploidies: New FMF algorithm*
	• *Screening for preeclampsia and fetal growth restriction: New FMF algorithm*
December 2012	2nd International Conference in Fetal Medicine, Taipei, Taiwan.
	• *Reversing the pyramid of pregnancy care*
November 2012	17th World Congress on Controversies in Obstetrics, Gynecology & Infertility

(COGI), Lisbon, Portugal.
- *First trimester screening for preeclampsia*
- *Screening for aneuploidies: New FMF algorithm*

October 2012	Reversing the Pyramid of Antenatal Care: Updates on Maternal-Fetal Medicine Seminar, Kuala Lumpur, Malaysia.

- *Reversing the pyramid of pregnancy care*
- *Nuchal translucency: Measurement and Management*
- *Scanning for aneuploidies – other markers: nasal bone, ductus venosus, tricuspid flow*

May 2012	3rd Fetal Medicine Foundation Course: Early Pregnancy Scan and Intrauterine Therapy International Forum in China, Wuhan, China.

- *Turning the pyramid of pregnancy care*

December 2011	1st International Conference in Fetal Medicine, Tainan, Taiwan.

- *Prediction of preeclampsia in the first trimester screening*

December 2011	Preeclampsia symposium, Taipei, Taiwan.

- *Prediction of preeclampsia in the first trimester screening*

December 2011	3rd Advanced Course in First Trimester Screening, Singapore.

- *First trimester screening – changing the focus*
- *The first trimester cervical scan – how is it going to change our practice*
- *Multivariate Models for screening for preeclampsia*
- *Update on first trimester screening – ultrasound markers for Down Syndrome screening*

November 2011	First Trimester Screening: Annual Australasian Update 2011, Melbourne, Australia.

- *12-week anomaly scan: an update*
- *Multivariate models for screening for preeclampsia*
- *Assessing cervical length at 12 week*

April 2011	10th Vietnam France Asia Pacific Conference in Reproductive Health, Ho Chi Minh City, Vietnam.

- *Screening for preeclampsia*
- *First-trimester anomaly scan*

April 2010	Joint 6th ISUOG Outreach Course and 2nd College of Obstetricians & Gynaecologists Singapore Scientific Congress, Singap.

- *Screening for preeclampsia and what we shall tell the mother*
- *Preterm and post-term delivery. New approach to a perpetual problem.*

March 2010	Advanced Ultrasound Course, National hospital of Obstetrics and Gynecology, Hanoi, Vietnam.

- *Screening for preeclampsia*
- *Screening and prevention for preterm delivery*

February 2010	30th Annual Society of Maternal Fetal Medicine Meeting Scientific Forum on Hypertension in Pregnancy, Chicago, USA.

- *First-trimester screening for preeclampsia*

October 2009	Congresso Associazione Italiana Preeclampsia, Rome, Italy.

- *Prediction and screening for preeclampsia in the first trimester*

May 2009	Maternal Health Days, perkinelmer, Wallac Oy, Turku, Finland.

- *Screening for preeclampsia at 11-13 weeks: potential new markers*

April 2009	9th Vietnam France Asia Pacific Conference in Reproductive Health, Ho Chi Minh City, Vietnam.

	• *Screening for preeclampsia* • *Screening and prevention for preterm delivery*
March 2009	First-trimester Ultrasound Course, Hue's College of Medicine and Pharmacy, Hue, Vietnam. • *Nuchal translucency measurement at 11-13 weeks* • *Implication of high nuchal translucency thickness and first-trimester anomaly scan*
December 2008	First-trimester Ultrasound Course, Tu Du Hospital, Ho Chi Minh City, Vietnam. • *Nuchal translucency measurement at 11-13 weeks* • *Screening for preeclampsia*
May 2008	International Down's Syndrome Screening Group 8th International Congress, Morris J Wosk Center for Dialogue, Simon Fraser University, Vancouver, Canada. • *Screening for preeclampsia at 11-13 weeks*
November 2007	Advanced Ultrasound Course by Fetal Medicine Foundation, Imperial College London. UK. • *Blood pressure in pregnancy*

CAREER INTENTIONS

I am pursuing a long-term career as an Academic Subspecialist in Maternal Fetal Medicine. I believe I have the necessary skill set to pursue a career as a clinical academic as I am intelligent, extremely hard working and organised. My CV is testament to my dedication to clinical research, with a prolific output throughout my clinical and research posts, including >180 peer-reviewed publications in peer-review international journals. In the past 15 years I have focused my research on establishing a programme for effective early prediction and prevention of preeclampsia, which is a major cause of maternal and perinatal morbidity and mortality. With my success in developing a first-trimester prediction model for preeclampsia using maternal risk factors, ultrasound, blood pressure and biochemical markers, and on Aspirin prophylaxis against preeclampsia, my goal in the next 10 years is to improve overall maternal and fetal health through clinical research, education and advocacy across the world.

SKILLS

Language	Fluent in English and Cantonese and intermediate Mandarin (both written and spoken).
Computing	Proficient in using Windows based software and operating systems, such as Microsoft Office Words, PowerPoint, Excel and Access.
Statistics	Proficient in using statistical programmes such as SPSS, Medcalc, Statsdirect and Metanalyst.

REFERENCES

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