



BUILDING RESILIENCE IN  
**ACADEMIC  
MEDICINE**

SingHealth Duke-NUS OBGYN  
Academic Clinical Programme  
Progress Report 2019





**Prof Ivy Ng**  
Group CEO, SingHealth

In this issue of the SingHealth Duke-NUS Obstetrics and Gynaecology Academic Clinical Programme (OBGYN ACP) Progress Booklet, I wish to congratulate the ACP on their successes in FY2019/2020. As we look back at the achievements since 2011, a notable feature has been its growing international stature and its role in the organisation of international congresses for the past years.

In June 2019, the 8th Maternal Medicine Course was held in SGH, Academia, aimed at helping participants master the essentials of common medical problems in pregnancy, discussing diabetes in pregnancy,

understanding misconceptions about radiology and imaging. In July 2019, the Gynaecological Surgery Summit in conjunction with 8th APAGE Regional Congress was organized by KKH's Minimally Invasive Surgery (MIS) Unit and OBGYN ACP with the Asia Pacific Association for Gynecological Endoscopy and Minimally Invasive Therapy (APAGE), focusing on controversies in MIS and discussing the evolving journey in gynaecology. In January 2020, the Asia Pacific Diabetes in Pregnancy Conference & Integrated Platform for Research in Advancing Metabolic Health Outcomes of Women and Children (IPRAMHO) International Meeting was well-received and attended by over 300 local and overseas delegates from 10 countries. The meeting launched Singapore's first Physical Activity and Exercise in Pregnancy Guidelines. The Asia Pacific consensus on Physical Activity and Exercise in Pregnancy was also achieved in this international meeting.

The Benjamin Henry Sheares Professorship in Obstetrics & Gynaecology has been conferred on Professor Tan Kok Hian, Head and Senior Consultant, Perinatal Audit and Epidemiology Unit, Department of Maternal Fetal Medicine, KK Women's and Children's Hospital (KKH) on the 29th April 2019. The Professorship in Obstetrics & Gynaecology will support medical research, education and advances in clinical care to prevent and manage complications in pregnancy so as to protect mothers and give their babies the best start in life.

I would like to commend the programme's strong performance in the education and research fronts. Dr Ku Chee Wai was awarded the Shan S Ratnam Young Gynaecologist Award (SSR – YGA) 2019, during the Asia & Oceania Federation of Obstetrics and Gynaecology (AFOG) Congress held from 11 – 14 Nov 2019 in Manila and the Prof Sir Sabaratnam Arulkumaran Award for presenting the best paper at the YGA session. The journey of OBGYN ACP in Academic Medicine has been exciting. OBGYN ACP, as a key member of our SingHealth Duke-NUS Academic Medical Centre, continues to forge new frontiers and synergise with academic organisations around the world to expand horizons through education, research and innovation. Keep pressing on for greater achievements towards better patient outcomes in the years ahead!



**Prof Thomas Coffman**  
Dean, Duke-NUS  
Medical School

Welcome to the AY2019/20 progress report from the Obstetrics and Gynaecology Academic Clinical Programme (OBGYN ACP). This review documents the programme's many notable academic achievements over the past year. The OBGYN ACP has been at the forefront of medical education within our SingHealth Duke-NUS Academic Medical Centre (AMC), nurturing new generations of aspiring healthcare professionals and empowering them to shape the future of medicine.

This academic prowess has been recognized through the many awards that the team has received. For instance, Adjunct Assistant Professor Manisha Mathur, Programme Director of the SingHealth O&G Residency Programme, received the AM-EI Golden Apple Outstanding Educator Award in recognition of her outstanding contributions as an educator who has transformed teaching and helped to raise the standards of medical education.

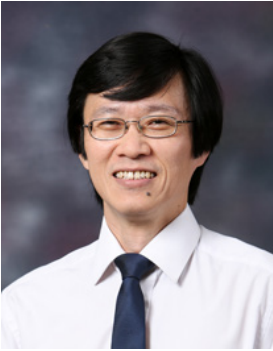
I would also like to congratulate Drs Lim Whui Whui, Ng Zheng Yuan, Poo Zi Xi and Yong Xiaoqi who received Outstanding Resident Awards, as well as Drs Ang Xiao Hong Joella and Ku Chee Wai who received Inspiring Resident Educator Awards. I am delighted to commend Drs Lee Cheng Sim Jill, Manisha Mathur, Phoon Wai Leng Jessie and Thain Pei Ting Serene who received Outstanding Faculty Awards; and Drs Suzanna Sulaiman and Shahul Hameed Mohamed Siraj, who received the Dean's Award for Teaching Excellence. Taken together, these awards are a testament to the enduring educational excellence within the ACP.

Over the course of the academic year, the OBGYN ACP marked several highlights including the Education Day on 13 September 2019, providing a platform for clinicians to share interesting journeys, projects and initiatives while striving towards excellence in medical education. The ACP also organised the 6th SingHealth Duke-NUS OBGYN ACP Clinical Practice Improvement and Patient Safety Day on 28 June 2019 in collaboration with KKH Quality, Safety & Risk Management and KKH Office of Patient Experience to showcase and promote clinical quality and patient safety.

The OBGYN ACP continues to excel in its triple mission of providing cutting-edge clinical care, carrying out impactful research, and serving as an important provider of undergraduate, graduate and postgraduate training for healthcare professionals. These accomplishments have contributed to the strong foundation of academic medicine in our AMC.

I feel certain the ACP will continue its academic mission of advancing reproductive and women's health for Singapore and the world.

## FOREWORDS



### Prof Tan Hak Koon

Academic Chair  
SingHealth Duke-NUS  
OBGYN Academic  
Clinical Programme

We continue our Academic Journey by combining the strengths of KKH Division of O&G and SGH Department of O&G to focus the development of the three pillars of OBGYN ACP: Education, Research and Clinical. We have achieved excellence in OBGYN ACP Education and we continue to establish our lead in Academic Medicine education by maintaining our position in the top 3 programmes of the overall residency programme. We are also immensely proud of Dr Manisha Mathur for winning the prestigious Golden Apple Award for Outstanding Educator Award. This award is in recognition of her exemplary contributions and commitment towards nurturing future generations of doctors.

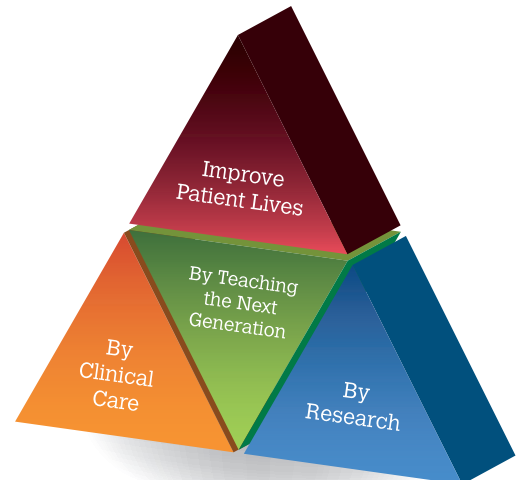
OBGYN ACP is a champion of Academic Medicine research. Embarking on ground-breaking research and pushing the frontiers of our research boundaries, our Clinician Scientists; Prof Jerry Chan and Asst Prof Mahesh Sangrithi, Clinician Investigators; Prof Tan Kok Hian and Dr Ryan Lee, Clinician Scientist Resident; Dr Ku Chee Wai, are deeply passionate about using scientific evidence to drive patient care and innovation to the next level of excellence. Examples of such research initiatives, are interventions established by the research programme IPRAMHO (Integrated Platform for Research in Advancing Metabolic Health Outcomes of Women and Children) which saw a remarkable 20% decrease in gestational diabetes mellitus, macrosomia, and stillbirth in our study cohort. Clinically, the KKH Women's Health & Wellness Centre leverage our expertise and capacity to provide comprehensive package of patient care for women and children. In particular, the Women's Advocacy Service is developed with the aim to provide strong support to women, adolescents and children who have been victims of sexual assault. Early Pregnancy Assessment Unit (EPAU) is also set up at Urgent O&G Centre (UOGC) to further improve care services for women who are in early stages of pregnancy.

Despite many challenges, OBGYN ACP will continue to strive for continual improvement in the three pillars of Education, Research and Clinical to deliver the highest standard of patient care.

## SHARED MISSION

The OBGYN ACP has a mission to improve lives of patients through excellent clinical care, education and research. To fulfil this mission, team work is paramount as no single individual or department can work alone. The OBGYN ACP comprises clinicians from KK Women's and Children's Hospital and Singapore General Hospital. To catalyse cross-fertilization of ideas and sharing of resources, collaborations are constantly forged between institutions to achieve our goals in Academic Medicine.

*To deliver excellent O&G Services, Education and Research in order to ensure world class clinical outcomes*





# SINGHEALTH DUKE-NUS OBGYN ACP (as of 31 March 2020)

**ADVISOR**  
Adj Prof Ho Tew Hong

**ADVISOR**  
Prof Tan Kok Hian

**ACADEMIC CHAIR**  
Adj Prof Tan Hak Koon

**DIVISION OF O&G (KKH)**

Chairman  
Adj Prof Tan Hak Koon

Chief of Obstetrics  
Adj Prof Tan Hak Koon

Chief of Gynaecology  
Adj Prof Ho Tew Hong

**ACADEMIC VICE CHAIR, RESEARCH**  
Adj Assoc Prof Timothy Lim Yong Kuei  
*(till Nov 2019)*

**ACADEMIC VICE CHAIR, EDUCATION**  
Adj Assoc Prof Tan Lay Kok

**ACADEMIC VICE CHAIR, CLINICAL**  
Adj Assoc Prof Yong Tze Tein

**DEPARTMENT OF O&G (SGH)**

Head of Department  
Adj Assoc Prof Yong Tze Tein

Advisors  
Adj Prof Ho Tew Hong

**Department of O&G**  
Adj Asst Prof Suzanna Sulaiman

**OBGYN Research Unit**

**ACADEMIC DEPUTY VICE CHAIR, EDUCATION**  
Adj Assoc Prof Tee Chee Seng John

**ACADEMIC DEPUTY VICE CHAIR, CLINICAL**  
Adj Asst Prof Suzanna Sulaiman

**Reproductive Medicine**  
Adj Assoc Prof Yu Su Ling

**Department of Reproductive Medicine**  
Adj Asst Prof Sadhana Nadarajah

**SingHealth OBGYN Residency Programme**

Programme Director  
Adj Assistant Prof Manisha Mathur

**Gynae Oncology**  
Adj Prof Ho Tew Hong

**Department of Maternal Fetal Medicine**  
Adj Asst Prof Shephali Tagore

**SingHealth OBGYN Residency Programme**

Associate Programme Director  
Adj Asst Prof Tan Eng Loy (SGH)

Associate Programme Director  
Adj Asst Prof Jessie Phoon Wai Leng (KKH)

**Maternal Fetal Medicine**  
Adj Assoc Prof Tan Lay Kok

**Department of Gynae Oncology**  
Adj Asst Prof Wong Wai Loong

**SingHealth Postgraduate Year 1 (PGY1)**

Adj Assistant Prof Suzanna Sulaiman (KKH)

Adj Assoc Prof Tan Lay Kok (SGH)

**Urogynaecology**  
Adj Assistant Prof Chua Hong Liang

**Department of Urogynaecology (Acting Head)**  
Adj Prof Tan Hak Koon

**Duke-NUS Medical School OBGYN Clerkship**

Program Coordinator  
Dr Ee Tat Xin

**NUS Yong Loo Lin School of Medicine OBGYN Clerkship**

Program Coordinator  
Adj Assistant Prof Manisha Mathur (KKH)

Program Coordinator  
Adj Assoc Prof Devendra Kanagaligam (SGH)

Deputy Program Coordinator  
Dr Sheri Lim Ee-Lin (KKH)

Deputy Program Coordinator  
Adj Assoc Prof Yong Tze Tein (SGH)

**Lee Kong Chian School of Medicine OBGYN Clerkship**

Principal Lead  
Adj Senior Lecturer Kathirvel Rajeswari

Posting Lead  
Dr Li Xinyi

## OVERVIEW OF EVENTS (2020)

**10-11**  
January

3<sup>rd</sup> Asia Pacific Diabetes in Pregnancy (APDIP) Conference & Integrated Platform for Research in Advancing Metabolic Health Outcomes of Women and Children (IPRAMHO) International Meeting

**17**  
January

CORE LITE

**3**  
February

LKC AY19/20 medical student posting starts

**19**  
June

LKC AY19/20 medical student posting ends

**24**  
June

SingHealth Residency Open House 2020 (via Zoom)

**28**  
June

6<sup>th</sup> Clinical Practice Improvement & Patient Safety Day

**6**  
July

AY20/21 YLL Medical Students Posting starts

**17**  
July

OBGYN Residency R1 Orientation

**20**  
July

SingHealth Residency Open House

**23**  
October

8th OBGYN ACP Education Day 2020

**22**  
November

CORE Course

**27**  
November

SingHealth Residency Graduation (via Zoom)

**11**  
December

8th OBGYN ACP Research Day 2020

## 6 April 2019 – SingHealth Duke-NUS OBGYN ACP Retreat



*OBGYN ACP group photo at the Capella.*

SingHealth Duke-NUS OBGYNACP held its retreat at Capella Singapore this year. A/Prof Bernard Chern opened the retreat by highlighting our successes as an Academic Clinical Programme in the past year, sharing his vision and focus areas in the upcoming year – forging a strong Academic Medicine Culture, valuing our people and emphasizing on the availability of different sources for Academic Medicine funding. The highlight of the retreat was the discussions of the three domains on Research, Education and Clinical. A/Prof Timothy Lim led in the discussion on integrating research as part of our clinical practice. This was followed by A/Prof Tan Lay Kok discussing on building resilience and managing burnout among the junior doctors. After which A/Prof Yong Tze Tein also discussed on doctor's role in providing a complete informed consent with the best interest for our patients. The retreat ended with A/Prof Tan Hak Koon summarizing our philanthropy success and further share the importance of collaboration in this SingHealth Duke-NUS OBGYN ACP. Let us spur each other on as we continue to advance in the Academic Medicine journey.

## 29 April 2019 – Benjamin Henry Sheares Professorship

A new Professorship named after Singapore's "Father of O&G" has been conferred on Professor Tan Kok Hian, Head and Senior Consultant, Perinatal Audit and Epidemiology Unit, Department of Maternal Fetal Medicine, KK Women's and Children's Hospital (KKH) on the 29th April 2019.

The Benjamin Henry Sheares Professorship in Obstetrics & Gynaecology will support medical research, education and advances in clinical care to prevent and manage complications in pregnancy so as to protect mothers and give their babies the best start in life. The number of women dying during pregnancy or childbirth has dropped significantly in Singapore over the past 80 years. Much of the improvement can be attributed to the pioneering work of Professor Benjamin Sheares when he headed the then Kandang Kerbau Hospital in the late 1940s and 1950s. These included developing a safer Caesarean section (C-section) technique and researching better ways to diagnose and manage pre-eclampsia, a severe form of high blood pressure that can be lethal to a mother and her unborn baby. The advances driven by Prof Sheares helped to drastically reduce maternal deaths from 800 per 100,000 deliveries to below 50 per 100,000 deliveries, and put Singapore on the international map for Obstetrics & Gynaecology (O&G). Prof Sheares was also a strong believer in medical education. He taught a generation of O&G specialists who built on his legacy of safer care for mothers and babies. Today the maternal mortality rate in Singapore is less than 10 per 100,000 deliveries, which is similar to the UK.

However, we are now seeing different challenges that have a significant impact on the health of pregnant women and their newborns. Rising obesity levels and the growing number of mothers having children over the age of 35 years of age increase the risk of pre-eclampsia and gestational diabetes, a form of diabetes that only occurs during pregnancy. With this Professorship, Professor Tan Kok Hian intend to build on my previous research into these conditions so we can further improve healthcare for pregnant women and their newborns.



# AWARDS AND ACHIEVEMENTS

## 17 January 2019 – Singapore Health Quality Service Award

The Singapore Health Quality Service Award (SHQSA), organized by the SingHealth Duke-NUS Academic Medical Centre (AMC) is the largest platform committed to recognizing the efforts of healthcare professionals who have delivered outstanding service and quality care to patients. Many OBCYN faculty members were honoured for their exemplary contributions to healthcare at the ninth annual award.

Star Awardees	Gold Awardees	Silver Awardees
Dr Kathirvel Rajeswari Dr Ieera Madan Aggarwal Dr Ng Xin Hui Ada Dr Namuduri Ramapadmavathi Devi Dr Tewani Komal Girish Dr Koh Seow Choon Daniel	A/Prof Bernard Chern Su Min A/Prof Han How Chuan Dr Tagore Shephali Dr Khoo Wan Yu Freda Dr Sadhana Nadarajah Dr Liu Shuling Dr Khong Chit Chong Dr Ee Tat Xin Dr Mariamma George Dr Chonkar Sonali Prashant Dr Ilka Tan Dr Edwin Thia	Prof Tan Kok Hian A/Prof Tee Chee Seng John Dr Sim Wen Shan Dr Kazila Bhutia Dr Kang Hean Leng Julian Dr Ni Ni Soe Dr Tan Tse Yuen Dr Seet Meei Jiun Dr Ho Weng Yan Dr Mahesh Nataraj Sangrithi Dr Tan Shu Qi Dr Angsumita Pramanick Dr Singh Priyanka Dr Lee Wai Kheong Ryan Dr 'Lim Hui Ping, Michelle Dr Loh Jia Min Michelle



## 17 May 2019 – SingHealth Excellence Awards

The 9th SingHealth Excellence Awards held on 17 May 2019, recognizes the commendable contributions of SingHealth employees towards healthcare leadership, education, research and administration during the past year. This year, Assoc Prof Tan Hak Koon was awarded the GCEO Excellence Award – **Outstanding Educator Award**.

▶ *Adj Prof Tan Hak Koon was awarded, second from left.*

## 7 August 2019 – SingHealth Residency in SingHealth Excels! (RiSE) Awards 2019

The SingHealth Residency in SingHealth Excels! (RiSE) Awards commemorate the accomplishments of top-performing programmes, faculty and residents, as well as showcase their excellence in medical education. This year, our SingHealth Obstetrics and Gynaecology (OBGYN) Residency Programme received a total of 15 awards.



## Faculty Achievements

The Outstanding Faculty Award recognizes the dedication of faculty in developing residents and helping them to achieve their best. The Faculty Appreciation Award is given out to faculty members of each programme for their commitment to Residency training during their tenure. The Partners in Education Award is presented to non-physician faculty who are committed in sharing their expertise.

### Outstanding Faculty

Lee Cheng Sim Jill  
Manisha Mathur  
Phoon Wai Leng Jessie  
Thain Pei Ting Serene

### Faculty Appreciation

Khoo Chong Kiat  
Tan Thiam Chye

### Partners in Education (Non-Physician)

Li Ya Jie  
Pang Ai Hong

## Resident Achievements

The Outstanding Resident Award is presented to the top 5% of residents from their respective cohorts who have done exceptionally well in both clinical and academic domains of medical education. Residents who have made exceptional contributions to mentoring and guiding their fellow peers and juniors were recognized with the Inspiring Resident Educator Award for lifelong learning and sharing of knowledge. The Resident Committee Appreciation Award recognizes the numerous contributions of Resident representatives in the development of programs for their peers and juniors.

### Outstanding Resident Award

Lim Whui Whui  
Ng Zheng Yuan  
Poo Zi Xi  
Yong Xiaoqi

### Inspiring Resident Educator Award

Ang XiaoHong  
Joella  
Ku Chee Wai

### Resident Committee Appreciation Award

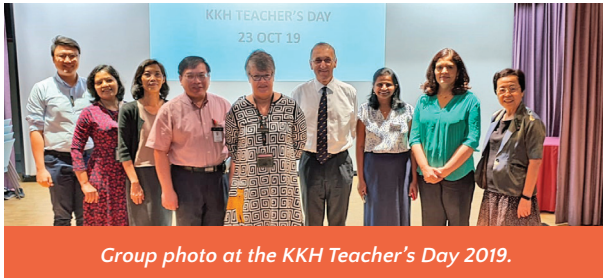
Li Mingyue



# AWARDS AND ACHIEVEMENTS

## 27 September 2019 – AM-EI Golden Apple Awards 2019

The AM-EI Golden Apple Awards are an accolade for faculty with active teaching roles in the SingHealth Duke-NUS Academic Medical Centre (AMC), honouring the best educators who continue to engage and inspire learners. Adj Assistant Professor Manisha Mathur was awarded the Outstanding Educator Award, which recognizes and honours outstanding educators in SingHealth Duke-NUS across various healthcare professions who have transformed teaching and helped raised the standards of medical education. Adj Asst Prof Manisha Mathur has a keen interest towards educating and nurturing the next generations of healthcare professionals. Teaching is close to her heart, and she continues to be actively involved with teaching and training medical students of the three medical schools in Singapore. Being the Programme Director of the SingHealth O&G Residency Programme, she has demonstrated unparalleled passion and dedication to medical education, and plays a prominent role in advancing OBGYN ACP as a world-class training centre for O&G.



*Group photo at the KKH Teacher's Day 2019.*

## 23 October 2019 – KKH Teacher's Day 2019

The KKH Teacher's Day was held from 12 – 2pm at the KKH Auditorium on 23 October 2019. The event is aimed at celebrating the joy, resilience and passion in educating undergraduates, and to show appreciation to faculty for their continuous dedication to undergraduate medical education. Adj Asst Prof Manisha Mathur, Adj Asst Prof Kathirvel Rajeswari, Dr Angsumita Pramanick and Dr Ku Chee Wai received Certificates of Appreciation for their significant contributions in mentoring undergraduates.



*Research Vice Chair A/Prof Timothy Lim presenting the award to Hema.*

## 8 Nov 2019 - LKCmedicine student wins award at 7th SingHealth Duke-NUS OBGYN ACP

The 7th SingHealth Duke-NUS Obstetrics and Gynecology Academic Clinical Programme (OBGYN ACP) Research Day was conducted on 8th November. Year 4 LKCmedicine student, Mani Hemaavathi's Scholarly Project titled "Association of Postnatal Glycaemic Status with IADPSG Criteria Time Points of Patients with Gestational Diabetes Mellitus (GDM)", supervised by Professor Tan Kok Hian, was one of two projects selected for oral presentation. Her project explored the predictive power of the antenatal Oral Glucose Tolerance Test (OGTT) screening time-points on the postpartum OGTT outcomes for women diagnosed with GDM, in light of the adoption of the International Association of Diabetes and Pregnancy Study Groups (IADPSG) criteria for GDM in Singapore. After a round of judging, Hema's project was awarded the Best Oral Presentation.

# AWARDS AND ACHIEVEMENTS



## 11 to 14 November 2019 – SSR YGA during AOFOG Congress

Dr Ku Chee Wai was awarded the Shan S. Ratnam Young Gynaecologist Award (SSR – YGA) 2019, during the Asia & Oceania Federation of Obstetrics and Gynaecology (AOFOG) Congress held from 11 – 14 November 2019 in Manila. Dr Ku has also been awarded the Prof Sir Sabaratnam Arulkumaran Award for presenting the best paper at the YGA session. His paper was titled “A novel approach using serum progesterone as a triage to guide management of patients with threatened miscarriage”. He has been selected to attend the Community Fellowship Programme (CFP) aimed at fostering closer relationships among future leaders of the AOFOG.

## 27 November 2019 – NUS YLL Dean’s Appreciation 2019

The YLL Dean’s Appreciation for Clinical Teachers was held on 27 November 2019, 12 – 2pm, at the KKH Staff Lounge. At the ceremony, Dr Suzanna Sulaiman and Dr Shahul Hameed Mohamed Siraj were awarded the **AY18/19 Dean’s Award for Teaching Excellence**, which commends dedicated faculty who have shown passion in educating medical students during their attachments to the hospital.

- ▶ *Dr Siraj receiving his award from NUS YLLSOM Vice Dean (Education), Assoc Prof Lau Tang Ching during the KKH award ceremony. (Absent: Dr Suzanna Sulaiman)*



## National Day Awards 2019

The National Day Awards recognize various types of merit and service to Singapore. A total of 374 individuals from the SingHealth Duke–NUS Academic Medical Centre (AMC) received National Day Awards this year in recognition of their exemplary contributions to the AMC, patients and Singapore’s success. For SingHealth O&G in 2019, Prof Kenneth Kwek was awarded The Public Administration Medal (Silver) and Prof Tan Kok Hian was awarded The Public Administration Medal (Bronze).

- ▶ *Captions: Prof Kenneth Kwek (first pic), Prof Tan Kok Hian (second pic)*



# CLINICAL SECTION

## 28 June 2019 - 6th SingHealth Duke-NUS OBGYN ACP Clinical Practice Improvement and Patient Safety Day

The 6th SingHealth Duke-NUS OBGYN ACP Clinical Practice Improvement & Patient Safety Day this year was held in collaboration with KKH Quality, Safety & Risk Management (KKH QRSM) and KKH Office of Patient Experience (KKH OPE) to showcase and promote clinical quality and patient safety.

We were honoured to have our keynote speaker, A/Prof Tai Hwei Yee, Group Chief Quality Officer, National Healthcare Group, share an inspiring presentation on the "Science and Art of Quality Improvement". We also had the opportunity to hear from interesting speakers such as Ms Irene Chan, Dr Shephali Tagore, Dr Suzanna Sulaiman, Dr Ada Ng and Dr Lionel Karunamary with engaging talks on Clinical Indicators, Critical Patient Safety Competency and the Quality Improvement project on Assisted OT Listing.

The O&G Exemplary Clinical Quality Champion this year was awarded to Dr Angsumita Pramanick from KKH Department of O&G for her contributions to improving consult wait time in clinics. Amidst the many initiatives led by Dr Angsumita, the assisted OT listing in SOC C that was successfully implemented has brought about higher quality of consult and shorter wait times, resulting in better patient experience. Dr Tan Eng Loy, SGH Department of O&G, was presented with the O&G Outstanding Patient Safety Champion award. As a well-known teaching faculty for obstetrics emergency courses, he has successfully directed many runs of the obstetrics course that have improved confidence levels of doctors and nurses for better maternal outcomes.



*O&G Outstanding Patient Safety Champion:  
Dr Tan Eng Loy*



*Group Photo: From left to right: Ms Pang Nguk Lan, Dr Alvin Chang, Prof Tan Kok Hian, Prof Ho Tew Hong, A/Prof Tai Hwei Yee, A/Prof Yong Tze Tein, Prof Bernard Chern, Dr Shephali Tagore, Dr Suzanna Sulaiman, Ms Irene Chan*



## 10-11 Jan 2020 – Asia Pacific Diabetes in Pregnancy Conference & IPRAMHO International Meeting

The 3rd year of Asia Pacific Diabetes in Pregnancy (APDIP) Conference & Integrated Platform for Research in Advancing Metabolic Health Outcomes of Women and Children (IPRAMHO) International Meeting was well-received and attended by over 200 local and overseas delegates.

Lead by SingHealth Duke-NUS OBGYN Academic Clinical Programme under KKH, the theme was 'Optimal Lifestyle for Better Metabolic Health'. In line with the theme, issues such as physical activity and exercise in pregnancy, and Asia-Pacific perspectives in gestational diabetes management were discussed. We were extremely privileged to have Guest-of-Honour Senior Minister of State for Health, Dr Amy Khor, with us to launch Singapore's first Physical Activity and Exercise in Pregnancy Guidelines. The set of guidelines aims at standardising advice on exercise and physical activity for pregnant women to improve their health outcomes and that of their child. The programme also includes a Training Program for Doctors, Residents and Nurses on Exercise in Pregnancy. We are proud that our residents and faculty of OBGYN ACP have taken the lead to promote health exercise in pregnant women nationwide.

Success of the event was achieved with strong support of several key organizations – Perinatal Society of Singapore (PSS), College of Obstetricians & Gynaecologists, Singapore (COGS), Obstetrical & Gynaecological Society of Singapore (OGSS), Maternal Fetal Medicine (MFM) Committee of the Asia and Oceania Federation of Obstetrics & Gynaecology (AFOG), Duke-NUS Diabetes Centre and the NMRC Collaborative Centre Grant – Integrated Platform for Research in Advancing Metabolic Health Outcomes in Women and Children (IPRAMHO) involving KK Women's and Children's Hospital, SingHealth Polyclinics and National Health Group Polyclinics.



1- Prof Tan Kok Hian giving an IPRAMHO update on Asia Oceania Consensus in Gestational Diabetes & Perinatal Nutrition  
2- Launch of Perinatal Society of Singapore Physical Activity & Exercise in Pregnancy Guidelines



3 - Group photo with Guest-of-Honour Senior Minister of State Dr Amy Khor with local and overseas speakers  
4 - Poster presentation to Guest-of-Honour Senior Minister of State Dr Amy Khor



5 - Demonstration of antenatal exercise by pregnancy lady

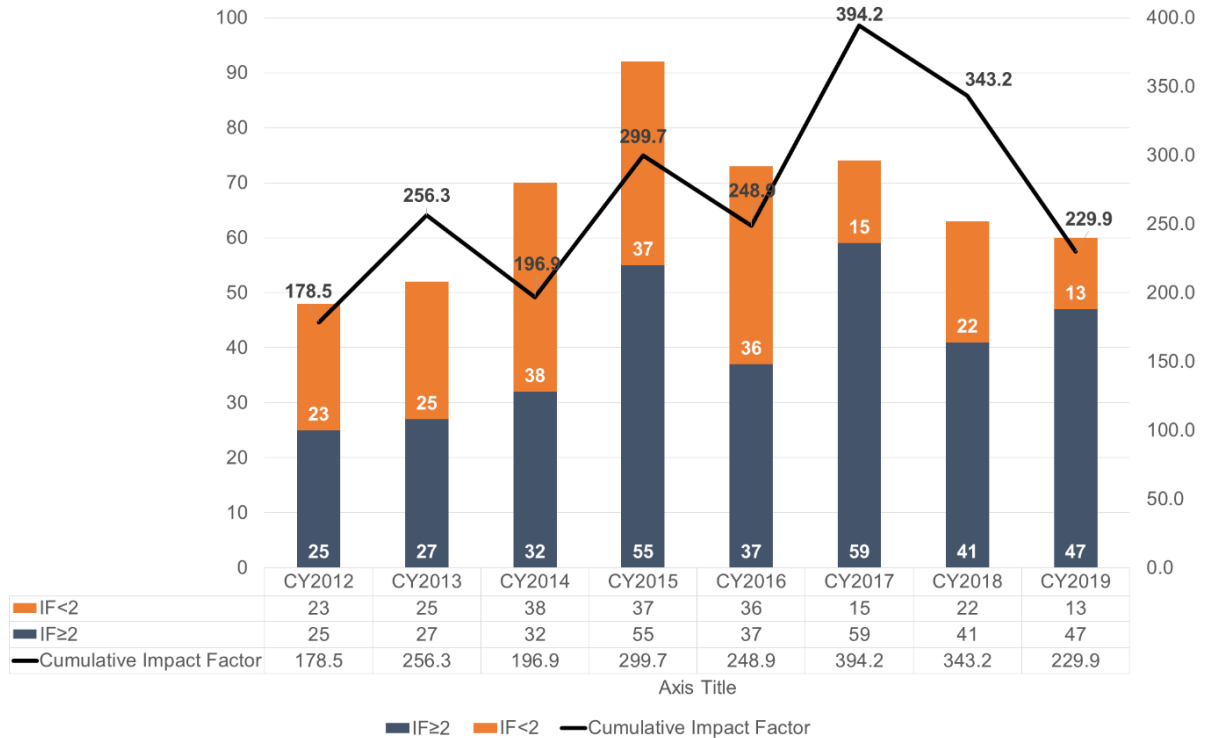


6 - Group photo with IPRAMHO research network members on Day 2  
7 - Physical Activity & Exercise in Pregnancy consensus workshop on Day 2



# RESEARCH SECTION

## Research Graph – 2012 to 2019



ACP	CY2012	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
JIF ≥ 2	25	27	32	55	37	59	41	47
JIF ≥ 2	23	25	38	37	36	15	22	13
Cumulative Impact Factor	178.5	256.3	197.0	299.8	249.0	394.2	343.24	229.9

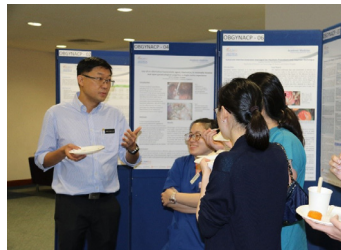
## 8 November 2019 – 7th SingHealth Duke-NUS OBGYN ACP Research Day

The SingHealth Duke-NUS OBGYN ACP Research Day is a dedicated platform for sharing the latest research achievements of residents and clinicians in the field of O&G. The event's highlights included an intriguing talk titled "Science Among Medicine: Different Perspectives or Two Sides of the Same Coin?" by Assistant Professor Lee Yie Hou, an enlightening talk about "Understanding Germ Cell Identity in Mouse Embryos" by Dr Lau Xianzhong, a comprehensive talk by Professor Tan Kok Hian on "Advances in Continuous Glucose Monitoring for GDM" and an informative talk about "Pelvic Organ Prolapse: To Mesh Or Not To Mesh" by Associate Professor Han How Chuan.

The event was warmly attended by faculty, residents and trainees, and concluded with the giving out of two oral presentation awards from the categories – "Clinical Research" and "Basic and Translational Research".

- 1) Total number of scientific abstracts/ posters submitted: 19
- 2) Speakers: Asst Prof Lee Yie Hou, Dr Lau Xianzhong, Prof Tan Kok Hian and Assoc Prof Han How Chuan
- 3) Award Category – Oral Presentation Awards

Award Category	Awardee	Study Title
Best Oral Presentation Award – Clinical Research	Awardee: Ms Mani Hemaavathi	Association of Postnatal Glycaemic Status with IADPSG Criteria Time Points of Patients with Gestational Diabetes Mellitus
Merit Oral Presentation Award – Basic & Translational Research	Awardee: Dr Jody Paige Goh	Unravelling the cytokine profile in spontaneous miscarriage



Opening address by  
A/Prof Timothy Lim



Best Oral Presentation  
Ms Mani Hemaavathi



Merit Award (Oral Presentation)  
Dr Jody Paige Goh

### **The contemporary management of miscarriage – A novel preconception risk score and early pregnancy triage with serum and urine biomarkers**

*Ku Chee Wai, Tan Thiam Chye, Loy See Ling and Jerry Chan, in collaboration with NTU - Ling Xing Yi (NTU-SPMS) and Tan Nguan Soon (NTU-LKC)*

Threatened miscarriage is the most common gynaecological emergency. Women with threatened miscarriage have been reported to experience significant anxiety and depressive symptoms due to their uncertain pregnancy outcomes. The lack of a clinical protocol to effectively prognosticate and triage these women, compounded by inconclusive evidence surrounding progestogen use in the management of threatened miscarriage, further complicates their management. In the PRISM trial, women experiencing bleeding during the first 12 weeks of pregnancy, and with no previous miscarriage, were treated with progesterone. The treatment did not significantly increase the incidence of live births compared to treatment with placebo.

We have previously shown that serum progesterone is lower in women presenting with threatened miscarriage compared to those with low risk pregnancies. In particular, women with spontaneous miscarriage exhibited low serum progesterone that did not increase with gestation. On the other hand, women with higher progesterone levels have a lower risk of miscarriage. Hence, we used serum progesterone as a screening tool for triaging the risk of miscarriage amongst women who presented with threatened miscarriage in a pilot study conducted at KKH from 2012 to 2013. The cut-off point for serum progesterone based on the study was 35 nmol/L. This result was subsequently validated in a much larger cohort.

Since January 2017, KKH has implemented this novel clinical protocol for routine screening of women who presented with threatened miscarriage. In the largest prospective cohort study, involving over a thousand women, 77.9% and 22.1% of patients had serum progesterone  $\geq$  35 nmol/L (low-risk group) and  $<$  35 nmol/L (high-risk group) respectively. The high-risk group was treated with oral progestogens, while the low-risk group was given anticipatory guidance and reassurance. 70.8% of high-risk patients and 9.6% of low-risk patients experienced spontaneous miscarriage. This paves the way for future validation in other cohorts and clinical settings involving only a single blood test. In addition, future randomized controlled trials should include progesterone treatment versus placebo for treatment of high-risk women with threatened miscarriage and serum progesterone  $<$  35 nmol/L.

We hypothesized that a defective signalling pathway downstream of progesterone may contribute to treatment failure. To that end, our group identified and patented a unique urine metabolomic signature for predicting risk of miscarriage. We showed that low 5-pregnane-3,20-diol-3-glucuronide (pregnane) and high tetrahydrocortisone (THC), metabolites of progesterone and cortisol respectively, were associated with a higher risk of miscarriage. For this to be successfully translated from bench to bedside, we employed a surface-enhanced Raman scattering (SERS) platform coupled with a novel "confine-and-capture" approach for multiplex detection of these two urine metabolites. To enhance the SERS signals, we used specific nanoscale surface chemistry for targeted metabolite capture from a complex urine matrix before confining them on a superhydrophobic SERS platform. We then applied chemometrics, including principal component analysis and partial least-squares regression, to convert their molecular fingerprints into quantifiable readouts. The whole screening procedure requires only a minute amount of urine and can be completed in 30 minutes. These readouts correlated well with the pregnancy outcomes in a case-control study of 40 patients presenting with threatened miscarriage. We are conducting an ongoing prospective cohort study to validate these findings, and developing a non-invasive point-of-care test for women presenting with threatened miscarriage.

In light of the controversy surrounding the efficacy of progestogen treatment for women with threatened miscarriage, timely interventions upstream likely hold the key to reduce the risk of spontaneous miscarriage. Preconception is the most important stage that could critically influence subsequent antenatal and postnatal health of mothers and children. Optimizing the preconception health of women improves antenatal and

postnatal health of the mother, ultimately resulting in the child's optimal health. This concept is supported by a large body of evidence culminating in the Developmental Origins of Health and Disease (DoHaD). It postulated that exposure to specific environmental factors during critical periods of growth and development could have far-reaching effects on the child's short and long-term health. Using data from the Singapore PREconception Study of long-Term maternal and child Outcomes (S-PRESTO) cohort study, we identified several lifestyles and behavioural risk factors during preconception that could predict miscarriage risk. Based on these risk factors, we are developing a risk scoring tool enabling women planning to conceive to identify their risk levels for miscarriage. We envisage that women may reduce risk of spontaneous miscarriage in early pregnancy by addressing these modifiable lifestyles and behavioural factors during preconception.

Taken together, our team has shown that we can predict the risk of spontaneous miscarriage in preconception and early pregnancy. Mitigating the risk factors early before conception can reduce the risk of spontaneous miscarriage in pregnancy. After experiencing early pregnancy bleeding, serum and urine biomarkers can triage the risk of miscarriage, guiding subsequent management and anticipatory guidance. The ability to predict and reduce the risk of adverse pregnancy outcomes is the holy grail of obstetric medicine, as we move towards the goal of precision medicine.

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## Gaining weight after childbirth: the effect of what to eat and when to eat during pregnancy

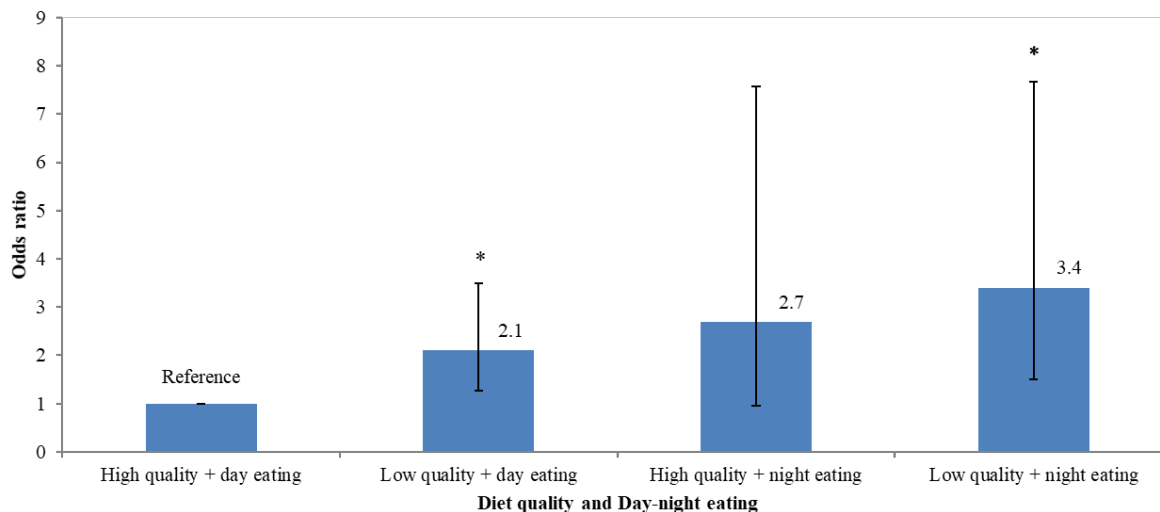
*Asst Prof Loy See Ling, Assoc Prof Fabian Yap Kok Peng, Prof Jerry Chan Kok Yen and research team*

Weight retention after giving birth affects future weight gain trajectory of a woman. Previous studies have shown that retaining more weight after the first year of giving birth was associated with higher body mass index even at 15 years postpartum. There is also evidence showing that childbearing weight retention appeared to be more physiologically harmful than weight gain in other life periods as the retained body fat was preferentially deposited in central (visceral fat) rather than in peripheral sites. This phenomenon has a profound effect not only on lifelong maternal health consequences including overweight and obesity, metabolic disorders and cardiovascular diseases, but also on subsequent pregnancy outcomes and the later health of their child. Offspring of mothers with obesity have shown to develop an increased risk of obesity, type 2 diabetes and non-alcoholic fatty liver disease.

Using data drawn from the Growing Up in Singapore Towards healthy Outcomes (GUSTO) prospective cohort study involving multi-ethnic Asian pregnant women in Singapore, our research group observed that dietary practice in terms of diet quality and day-night eating of a woman during pregnancy could potentially impact on weight retention after delivery. Out of 687 women who had been followed up since pregnancy, 16% substantially gained 5 kg or more weights within 1.5 years after delivery. When eating patterns of pregnant women at 26-28 weeks gestation were studied, those with low diet quality (less adherence to the Singapore dietary guidelines for pregnant women) had substantial weight retention of at least 5 kg at 18 months postpartum. Meanwhile, pregnant night eaters, defined as consumption of more than 50% of their total daily energy intake during nighttime (1900-0659 h), also found to present with substantial postpartum weight retention. These findings had taken into account the effects of total daily energy intake, sociodemographic and lifestyle factors (pre-pregnancy weight, gestational weight gain, bedtime, emotion). Our findings remained consistent even after considering the effect of feeding practices (breastfeeding, formula feeding, mixed feeding) in the first 6 months after delivery.

Although diet quality and night eating were independently linked with weight gain, we found that practising night eating along with low diet quality had the greatest odds of substantial weight retention (odds ratio 3.4). Meanwhile a stronger likelihood of weight retention was observed when night eating was practised together with high diet quality (odds ratio 2.7), whereas women practising day eating (consumption of more than 50% of total daily energy intake during daytime between 0700-1859 h) along with low diet quality showed a weaker association with weight retention (Figure 1). These findings suggest that night eating may be potentially more damaging than low diet quality in contributing to substantial postpartum weight retention.

## RESEARCH SECTION



**Figure 1** Bar chart presenting the additive effects of diet quality and day-night eating. Odds ratio presented are relative to the reference group (high diet quality and day eating). Error bars represent 95% confidence intervals of OR. \* $p < 0.05$ .

Encouraging women to have a good diet quality during pregnancy by adhering to dietary guidelines in terms of food adequacy, quality and antenatal supplementation, has always been highlighted by health care professionals to ensure an adequate nutrient supply for both mother and foetus. Now, we further showed that practising good diet quality in pregnancy could also help to prevent undesirable weight gain after birth.

Recent evidence suggests that aligning eating-fasting patterns with day-night cycles is important for metabolic health. This is based on the concept that our metabolism has evolved to digest food during the day and rest at night. Consuming more calories during the night than the day mismatches our body's natural circadian rhythms by disrupting circadian clocks in various organs (e.g. liver, stomach, pancreas, fat tissue), resulting in dysregulation of energy metabolism. Considering meal timing strategies during pregnancy such as changing eating time to earlier in the day or having lighter foods at night may be beneficial for subsequent postpartum weight management.

Reference:

Loy SL, Cheung YB, Colega MT, Chia A, Han CY, Godfrey KM, Chong YS, Shek LPC, Tan KH, Lek N, Chan JKYC, Chong MFF, Yap F. Associations of circadian eating pattern and diet quality with substantial postpartum weight retention. *Nutrients*. 2019;11:E2686.

## Do men with normal testosterone–oestradiol ratios benefit from letrozole for the treatment of male infertility?

*Liu Shuling<sup>1,2,\*</sup>, Matthew Lau Sie Kuei<sup>1,3</sup>, Seyed Ehsan Saffari<sup>4</sup>, Zheng Jiayun<sup>2</sup>, Tan Tse Yeun<sup>1</sup>, Jessie Phoon Wai Leng<sup>1</sup>, Veronique Viardot– Foucault<sup>1</sup>, Sadhana Nadarajah<sup>1</sup>, Jerry Kok Yen Chan<sup>1,5,\*</sup>, Tan Heng Hao<sup>1</sup>*

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*2 OBGYN Academic Clinical Program, KK Women’s and Children’s Hospital, 100 Bukit Timah Road 229899, Singapore*

*3 Knox Private Hospital, 262 Mountain Highway, Wantirna Victoria 3152, Australia*

*4 Centre for Quantitative Medicine, Office of Clinical Sciences, Duke–NUS Medical School, Academia, 20 College Road, Level 6 169856, Singapore*

*5 Program in Cancer and Stem Cell Biology, Duke–NUS Medical School, 8 College Road 169857, Singapore*

Previous studies of aromatase inhibitors on male infertility have focused on men with low testosterone– oestradiol ratio of less than 10. The focus of this study was to find out if aromatase inhibitors improve spermatogenesis in men with idiopathic male infertility with normal testosterone–oestradiol ratio.

We conducted a prospective study of men with idiopathic severe oligozoospermia (sperm concentration <5 million/ml) between February 2015 and March 2017. The objective was to assess if semen–analysis parameters improved after treatment with letrozole. Secondary objectives were to monitor the safety of letrozole in men, and to measure the alterations in serum FSH, LH, oestradiol and testosterone levels.

Fifteen men with normal testosterone–oestradiol ratio (>10) were treated with letrozole 2.5 mg daily for 4 months. This produced a 5.5–fold increase in sperm concentration (P = 0.0068). All men had increased total serum testosterone and suppressed oestradiol levels after treatment, thus raising the overall testosterone–oestradiol ratio (P < 0.0001). Adverse effects from letrozole were relatively minor and included loss of libido (54%), headaches (25%), fatigue (21%), weakness (13%), loss of hair (8%) and dry mouth (8%).

In conclusion, letrozole improves sperm concentration and increases testosterone–oestradiol ratio for men with oligozoospermia who have normal testosterone–oestradiol ratio. Its role in the treatment of male infertility may be extended to this group of patients. In addition, it is a relatively well–tolerated drug with no serious adverse effects.



## Research Publications

- Chan KR, Gan ES, Chan CYY, Liang C, Low JZH, Zhang SL, Ong EZ, Bhatta A, Wijaya L, Lee YH, Low JG, Ooi EE. Metabolic perturbations and cellular stress underpin susceptibility to symptomatic live-attenuated yellow fever infection. *Nat Med*. 2019 Jul 15. doi: 10.1038/s41591-019-0510-7. [Epub ahead of print]
- Rifkin-Graboi A, Tan HM, Shaun GKY, Sim LW, Sanmugam S, Chong YS, Tan KH, Shek L, Gluckman PD, Chen H, Fortier M, Meaney MJ, Qiu A. An initial investigation of neonatal neuroanatomy, caregiving, and levels of disorganized behavior. *Proc Natl Acad Sci U S A*. 2019 Aug 20;116(34):16787-16792. doi: 10.1073/pnas.1900362116. Epub 2019 Aug 5.
- Van Lee L, Crozier SR, Aris IM, Tint MT, Sadananthan SA, Michael N, Quah PL, Robinson SM, Inskip HM, Harvey NC, Barker M, Cooper C, Velan SS, Lee YS, Fortier MV, Yap F, Gluckman PD, Tan KH, Shek LP, Chong YS, Godfrey KM, Chong MFF. Prospective associations of maternal choline status with offspring body composition in the first 5 years of life in two large mother-offspring cohorts: the Southampton Women's Survey cohort and the Growing Up in Singapore Towards healthy Outcomes cohort. *Int J Epidemiol*. 2019 Jan 11. doi: 10.1093/ije/dyy291. [Epub ahead of print]
- Lum FM, Narang V, Hue S, Chen J, McGovern N, Rajarethinam R, Tan JJ, Amrun SN, Chan YH, Lee CY, Chua TK, Yee WX, Yeo NK, Tan TC, Liu X, Haldenby S, Leo YS, Ginhoux F, Chan JK, Hiscox J, Chong CY, Ng LF. Immunological observations and transcriptomic analysis of trimester-specific full-term placentas from three Zika virus-infected women. *Clin Transl Immunology*. 2019 Nov 5;8(11):e01082. doi: 10.1002/cti2.1082. eCollection 2019.
- Bian X, Biswas A, Huang X, Lee KJ, Li TK, Masuyama H, Ohkuchi A, Park JS, Saito S, Tan KH, Yamamoto T, Dieltl A, Grill S, Verhagen-Kamerbeek WDJ, Shim JY, Hund M. Short-Term Prediction of Adverse Outcomes Using the sFlt-1 (Soluble fms-Like Tyrosine Kinase 1)/PIGF (Placental Growth Factor) Ratio in Asian Women With Suspected Preeclampsia. *Hypertension*. 2019 Jul;74(1):164-172. doi: 10.1161/HYPERTENSIONAHA.119.12760. Epub 2019 Jun 12.
- Chaemsaitong P, Pooh RK, Zheng M, Ma R, Chaiyasit N, Tokunaka M, Shaw SW, Seshadri S, Choolani M, Wataganara T, Yeo GSH, Wright A, Leung WC, Sekizawa A, Hu Y, Naruse K, Saito S, Sahota D, Leung TY, Poon LC. Prospective evaluation of screening performance of first trimester prediction models for preterm preeclampsia in Asian population. *Am J Obstet Gynecol*. 2019 Oct 4. pii: S0002-9378(19)31207-4. doi: 10.1016/j.ajog.2019.09.041. [Epub ahead of print]
- Salomon LJ, Alfirevic Z, Da Silva Costa F, Deter RL, Figueras F, Ghi T, Glanc P, Khalil A, Lee W, Napolitano R, Papageorgiou A, Sotiriadis A, Stirnemann J, Toi A, Yeo G. ISUOG Practice Guidelines: ultrasound assessment of fetal biometry and growth. *Ultrasound Obstet Gynecol*. 2019 Jun;53(6):715-723. doi: 10.1002/uog.20272.
- Poon LC, Galindo A, Surbek D, Chantraine F, Stepan H, Hyett J, Tan KH, Verlohren S. From first-trimester screening to risk stratification of evolving pre-eclampsia in the second and third trimesters of pregnancy: a comprehensive approach. *Ultrasound Obstet Gynecol*. 2019 Sep 10. doi: 10.1002/uog.21869. [Epub ahead of print]
- Chan JKY, Gil-Farina I, Johana N, Rosales C, Tan YW, Ceiler J, Mcintosh J, Ogden B, Waddington SN, Schmidt M, Biswas A, Choolani M, Nathwani AC, Mattar CNZ. Therapeutic expression of human clotting factors IX and X following adeno-associated viral vector-mediated intrauterine gene transfer in early-gestation fetal macaques. *FASEB J*. 2019 Mar;33(3):3954-3967. doi: 10.1096/fj.201801391R. Epub 2018 Dec 5.
- Michael N, Gupta V, Sadananthan SA, Sampathkumar A, Chen L, Pan H, Tint MT, Lee KJ, Loy SL, Aris IM, Shek LP, Yap FKP, Godfrey KM, Leow MK, Lee YS, Kramer MS, Henry CJ, Fortier MV, Seng Chong Y, Gluckman PD, Karnani N, Velan SS. Determinants of intramyocellular lipid accumulation in early childhood. *Int J Obes (Lond)*. 2019 Aug 28. doi: 10.1038/s41366-019-0435-8. [Epub ahead of print]
- Bidet K, Ho V, Chu CW, Naim ANH, Thazin K, Chan KR, Low JGH, Choy MM, Wong LH, Florez de Sessions P, Lee YH, Hibberd ML, Ooi EE, Fink K, Chen J. Mimicking immune signatures of flavivirus infection with targeted adjuvants improves dengue subunit vaccine immunogenicity. *NPJ Vaccines*. 2019 Jun 25;4:27. doi: 10.1038/s41541-019-0119-3. eCollection 2019.
- Li LJ, Aris IM, Han WM, Tan KH. A Promising Food-Coaching Intervention Program to Achieve Optimal Gestational Weight Gain in Overweight and Obese Pregnant Women: Pilot Randomized Controlled Trial of a Smartphone App. *JMIR Form Res*. 2019 Oct 24;3(4):e13013. doi: 10.2196/13013.
- Padmapriya N, Aris IM, Tint MT, Loy SL, Cai S, Tan KH, Shek LP, Chong YS, Godfrey KM, Gluckman PD, Lee YS, Saw SM, Yap F, Kramer MS, Bernard JY, Müller-Riemenschneider F. Sex-specific longitudinal associations of screen viewing time in children at 2-3 years with adiposity at 3-5 years. *Int J Obes (Lond)*. 2019 Apr 2. doi: 10.1038/s41366-019-0344-x. [Epub ahead of print]
- Fogel A, McCrickerd K, Goh AT, Fries LR, Chong YS, Tan KH, Yap F, Shek LP, Meaney MJ, Cai S, Silveira PP, Broekman BFP, Lee YS, Godfrey KM, Chong MFF, Forde CG. Associations between inhibitory control, eating behaviours and adiposity in 6-year-old children. *Int J Obes (Lond)*. 2019 Mar 28. doi: 10.1038/s41366-019-0343-y. [Epub ahead of print]
- Pang WW, Tan PT, Cai S, Fok D, Chua MC, Lim SB, Shek LP, Chan SY, Tan KH, Yap F, Gluckman PD, Godfrey KM, Meaney MJ, Broekman BFP, Kramer MS, Chong YS, Rifkin-Graboi A. Nutrients or nursing? Understanding how breast milk feeding affects child cognition. *Eur J Nutr*. 2019 Feb 26. doi: 10.1007/s00394-019-01929-2. [Epub ahead of print]
- Ke Y, Liu WN, Her Z, Liu M, Tan SY, Tan YW, Chan XY, Fan Y, Huang EK, Chen H, En Chang KT, Chan JKY, Hann Chu JJ, Chen Q. Enterovirus A71 Infection Activates Human Immune Responses and Induces Pathological Changes in Humanized Mice. *J Virol*. 2019 Jan 17;93(3). pii: e01066-18. doi: 10.1128/JVI.01066-18. Print 2019 Feb 1.
- Chen LW, Fung SM, Fok D, Leong LP, Toh JY, Lim HX, Pang WW, Tan KH, Chong YS, Yap F, Godfrey KM, Lee YS, Chong MF. The Development and Evaluation of a Diet Quality Index for Asian Toddlers and Its Perinatal Correlates: The GUSTO Cohort Study. *Nutrients*. 2019 Mar 1;11(3). pii: E535. doi: 10.3390/nu11030535.
- Muthiah MD, Huang DQ, Zhou L, Jumat NH, Choolani M, Chan JKY, Wee A, Lim SG, Dan YY. A murine model demonstrating reversal of structural and functional correlates of cirrhosis with progenitor cell transplantation. *Sci Rep*. 2019 Oct 28;9(1):15446. doi: 10.1038/s41598-019-51189-7.
- Hu S, Sim YF, Toh JY, Saw SM, Godfrey KM, Chong YS, Yap F, Lee YS, Shek LP, Tan KH, Chong MF, Hsu CS. Infant dietary patterns and early childhood caries in a multi-ethnic Asian cohort. *Sci Rep*. 2019 Jan 29;9(1):852. doi: 10.1038/s41598-018-37183-5.
- Sadananthan SA, Tint MT, Michael N, Aris IM, Loy SL, Lee KJ, Shek LP, Yap FKP, Tan KH, Godfrey KM, Leow MK, Lee YS, Kramer MS, Gluckman PD, Chong YS, Karnani N, Henry CJ, Fortier MV, Velan SS. Association Between Early Life Weight Gain and Abdominal Fat Partitioning at 4.5 Years is Sex, Ethnicity, and Age Dependent. *Obesity (Silver Spring)*. 2019 Mar;27(3):470-478. doi: 10.1002/oby.22408.



## 13 to 14 June 2019 – 8th Maternal Medicine Course

The 8th run of the Maternal Medicine Course was held in SGH, Academia. The course was aimed at helping participants master the essentials of common medical problems in pregnancy, discussing diabetes in pregnancy, understanding misconceptions about radiology and imaging, and closed off with an interactive panel discussion about real-life challenging obstetric medicine cases. Three esteemed faculty from the United Kingdom, Malaysia and Hong Kong were invited to contribute to the exciting scientific programme.



Faculty and participants at the 8th Maternal Medicine Course.

## 23 to 27 July 2019 – 1st SingHealth Duke-NUS Gynaecological Surgery Summit in conjunction with 8th APAGE Regional Congress

The summit was organized by KKH's Minimally Invasive Surgery (MIS) Unit in conjunction with OBGYN ACP and the Asia Pacific Association for Gynecological Endoscopy and Minimally Invasive Therapy (APAGE). The faculty comprised MIS specialists from all over the region, including Singapore, Malaysia, Taiwan and South Korea, and was chaired by Adj Assoc Prof Bernard Chern Su Min. The theme focused on controversies in MIS, and discussed the evolving journey in gynaecology.

The summit began with two days of masterclasses with renowned MIS surgeons Sun Chung-Hsien from Taiwan and Kim Tae Joong from South Korea. The main summit featured a day of riveting live surgeries performed by the two surgeons in KKH. The next day was held at the Straits Ballroom in Sofitel Singapore Sentosa, featuring an array of interesting lectures with a unique setup. All topics had two speakers - exploring both sides, such as "To robot or not: robotic surgery is superior to conventional laparoscopy in gynaecology", presented by Dr Joseph Ng and Dr Suresh Nair; and "Prevention of intra-uterine adhesions: intrauterine contraceptive device vs hyaluronic acid", presented by A/Prof Yu Su Ling and Dr Beh Suan Tiong. The day's highlight was the animated debate "Single port surgery is superior to conventional laparoscopy in gynaecology". A post-summit Hysteroscopy Workshop focused on diagnostic challenges and technicalities of hysteroscopy.



### Captions:

1. Faculty group photo at Sofitel.
2. Live surgeries being performed by Dr Kim Tae Joong and Prof Sun Chung-Hsien
3. Participants at the post-congress hysteroscopy workshop.

# EDUCATION SECTION

## 20 July 2019 – SingHealth Residency Open House 2019

The annual SingHealth Residency Open House attracted more than 460 medical students, house officers (HOs) and medical officers (MOs) to explore the different speciality training programmes this year. Our OBGYN Residency Programme Director Dr Manisha Mathur, together with Faculty and Residents, shared valuable information and insights to provide prospective residents with a better understanding of the programme and its specialities. The Open House's engaging atmosphere allowed for great opportunities for the participants, Faculty and Residents to interact and learn from each other.



[Back row: from left to right] Dr Ng Yan Shun, Dr Rachel Chun, Dr Wang Wanxuan, Dr Cassandra Cheong, Dr Li Mingyue, Dr Ho Weng Yan, Dr Lee Shi Hui

[Front row: from left to right] A/Prof Tan Hak Koon, Dr Manisha Mathur (Programme Director)

## 12 September 2019 – SingHealth Residency Graduation & Best Junior Doctors 2019

SingHealth Residency Graduation & Best Junior Doctors 2019 celebrates the successful completion of the Residency Programme for graduating Residents and commemorates the achievement of Junior Residents. This year, the graduating residents were Dr Foo Anqi Sharon, Dr Ee Tat Xin, Dr Lim Yu Hui, Dr Lee Wai Kheong Ryan, Dr Ng Yang Huang Grace, Dr Ng Xin Hui Ada and Dr Ho Ping Ling.



Graduands (from L-R): Dr Foo Anqi Sharon, Dr Ho Ping Ling, Dr Lee Wai Kheong Ryan, Dr Ng Xin Hui Ada  
[Absent: Dr Ee Tat Xin, Dr Lim Yu Hui, Dr Ng Yang Huang Grace]  
Presented by A/Prof Tan Hak Koon & Prof Ivy Ng

## 13 September 2019 – 7th SingHealth Duke-NUS OBGYN ACP Education

Education Day provides a platform for clinicians to share updates, initiatives and educational projects related to striving for excellence in academic medicine. This year, the theme was “Teach, Learn, Heal”. We were honoured to have Prof Ian Curran, Vice Dean, Office of Education Duke-NUS Medical School, and Co-Director, Academic Medicine Education Institute (AM.EI), who delivered an inspiring presentation on “Transformational vs Transactional Leadership”. There was also a riveting talk by Dr Manisha Mathur and Dr Sonali about the unspoken facts of physician burnout. This year, the following residents won the awards:

Award	Awardee
Best of Graduating Cohort	Poo Zi Xi
Best CREOG Score	Stella Sasha
Best R1 Resident	Krystal Koh
Best R2 Resident	Lee Shi Hui
Best R3 Resident	Yong Xiaoqi
Best R4 Resident	Poo Zi Xi
Best R5 Resident	Lim Whui Whui
Best R6 Resident	Ng Zheng Yuan



Prof Ian Curran receiving a token of appreciation from A/Prof Tan Lay Kok.  
Dr Manisha presenting the talk about Physician Burnout.



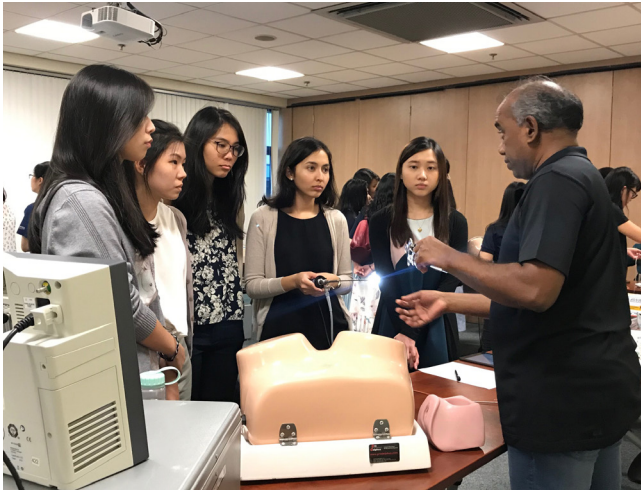
Group Photo at Education Day 2019.



# EDUCATION SECTION

## 13 October 2019 – Core Gynaecological Surgery Skills Course

This one-day course was aimed at helping participants develop strong fundamentals in surgical principles. Participants were familiarized with the operating theatre setup, surgical etiquette and trained on the proper usage of commonly used surgical instruments and suture types in basic gynaecological surgical procedures. The course was well attended by 19 junior doctors and was a fruitful learning experience.



*Participants learning from Dr Siraj and Dr Lim Yu Hui.*

## 14<sup>th</sup> September 2019- SingHealth Duke-NUS Gala Dinner

The SingHealth Duke-NUS Gala Dinner “Odyssey of the Stars” was held at the Grand Ballroom of Ritz Carlton Millenia Singapore. The event celebrated the philanthropic contributions of the various ACPs, and the continued efforts of the Academic Medical Centre to discover ways of improving the quality of patient care through research and education. The dinner was well attended by various ACP and generous donors. OBGYN ACP managed to raise \$91,202 through table sales and auction items.



## 3<sup>rd</sup> November 2019 – Great Eastern Women’s Run 2019

This year, the run took place on 3rd November 2019, Sunday, at the Singapore Sports Hub, with staff participating under SingHealth. SingHealth Duke-NUS OBGYN ACP’s Women’s Health Research and Education Fund was once again a beneficiary. The run managed to raise a total of \$50,240, which was shared between the two beneficiaries - KK Women’s and Children’s Hospital (OBGYN ACP) and Breast Cancer Foundation



*Presentation of cheque: Great Eastern Group CEO, Mr Khor Hock Seng; President of BCF, Ms Staphnie Tang; KKH CEO, Prof Alex Sia.*

# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## SingHealth Duke-NUS Obstetrics and Gynaecology Academic Clinical Programme (OBGYN ACP)

Name	Designation
Adj Prof Tan Hak Koon	Chair & Senior Consultant
Prof Ho Tew Hong	Advisor
Prof Tan Kok Hian	Advisor
Julin Wong Shuxian	Manager

### I) SingHealth Duke-NUS (Education)

Name	Designation
Adj Assoc Prof Tan Lay Kok	Academic Vice Chair, Education
Adj Assoc Prof Tee Chee Seng	Academic Deputy Vice Chair, Education
Kam Limin	Senior Executive
Anita Kurup	Executive
Kayda Soh Xin Yi	Executive

### II) SingHealth Duke-NUS (Research)

Name	Designation
Prof Jerry Chan	Academic Vice Chair, Research
Erlia Tan	Executive

### III) SingHealth Duke-NUS (Clinical)

Name	Designation
Adj Assoc Prof Yong Tze Tein	Academic Vice Chair, Clinical
Adj Asst Prof Suzanna Sulaiman	Academic Deputy Vice Chair, Clinical
Ang Yiqian Felicia	Senior Executive

### IV) SingHealth Duke-NUS (OBGYN Residency)

Name	Designation
Adj Asst Prof Manisha Mathur	Programme Director
Lim Wei Sian Wileen	Senior Executive
Ong Liam Yen Charlene	Programme Executive
Tan Xinyi Evangeline	Programme Executive
Yvonne Tang Pui Har	Associate Executive

### V) SingHealth Duke-NUS (ACP Finance)

Name	Designation
Chun Lye Har Joyce	Director
Ong Hua	Deputy Director
Tay Gek Peng Tracy	Manager
Lin Enyu Evelyn	Assistant Manager
Neo Siew Shih Cherise	Senior Account Assistant

# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## B) Education

### I) SingHealth Obstetrics and Gynaecology Residency Programme



Name	Designation
Adj Asst Prof Manisha Mathur	Programme Director
Adj Prof Ho Tew Hong	Programme Evaluation Committee, Chairman
Adj Asst Prof Jessie Phoon Wai Leng	Associate Programme Director (KKH Campus)
Adj Asst Prof Tan Eng Loy	Associate Programme Director (SGH Campus)
Adj Assoc Prof Chern Su Min Bernard	Programme Core Faculty (KKH Campus)
Adj Assoc Prof Yam Kwai Lam Philip	
Prof Chan Kok Yen Jerry	
Adj Asst Prof Suzanna Sulaiman	
Adj Asst Prof Shephali Tagore	
Adj Asst Prof Wong Wai Loong	
Dr Jill Lee Cheng Sim	
Dr Ho Weng Yan	
Adj Assoc Prof Devendra Kanagalingam	Programme Core Faculty (SGH Campus)
Adj Asst Prof Jason Lim Shau Khng	
Adj Asst Prof Andy Tan Wei Keat	

### II) Duke-NUS Medical School (a collaboration between Duke University, Durham and National University of Singapore) OBGYN Clerkship



Name	Designation
Adj Assoc Prof Tan Lay Kok	OBGYN Programme Leader
Dr Ee Tat Xin	Programme Coordinator
Toh Bee Ling	Assistant Manager
Nur Edaliza Osman	MD Programme OBGYN Secretariat

### III) National University of Singapore Yong Loo Lin School of Medicine (NUS Medicine) OBGYN Clerkship



Name	Designation
Adj Asst Prof Manisha Mathur	Lead Coordinator
Dr Sheri Lim Ee-Lin	Deputy Coordinator
Anita Kurup	Executive

### SGH

Name	Designation
Adj Assoc Prof Devendra Kanagalingam	Programme Coordinator
Adj Assoc Prof Yong Tze Tein	Deputy Programme Coordinator
Geetha D/O Arumuga Vandayar	Senior Associate Executive

### IV) Lee Kong Chian School of Medicine (a collaboration between Nanyang Technological University and Imperial College London) OBGYN Clerkship



Name	Designation
Adj Senior Lecturer Kathirvel Rajeswari	Principal Lead
Dr Li Xinyi	Posting Lead
Kayda Soh Xin Yi	Executive

# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## C) SingHealth & Duke-NUS

### I) Joint Office of Academic Medicine (JOAM)

Name	Designation
Prof Wong Tien Yin	Deputy Group CEO, Research and Education, SingHealth Vice Dean, Office of Academic & Clinical Development, Duke-NUS
Adj Assoc Prof Chow Wan Cheng	Group Director, Academic Medicine, SingHealth Senior Associate Dean, Academic Medicine, Duke-NUS
Foo Suan Jong	Director
Maung May Lay Katheryn	Deputy Director

### II) Academic Medicine Education Institute (AM-EI)

Name	Designation
Prof Ian Curran	Co-Director
Prof Chan Choong Meng	Co-Director
Prof Sandy Cook	Deputy Director
Dr Phua May Ling	Chief Strategic Planning

### III) Academic Medicine Research Institute (AMRI)

Name	Designation
Prof Wong Tien Yin	Deputy Group Chief Executive Officer, Research and Education, SingHealth; Vice Dean, Academic & Clinical Development, Duke-NUS Medical School
Prof Patrick Casey	Senior Vice Dean, Research, Duke-NUS Medical School
A/Prof Tan Say Beng	Group Chief Research Officer, SingHealth; Senior Associate Dean, Research, Duke-NUS Medical School



# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## D) Faculty and staff of OBGYN ACP

### I) KK Women's and Children's Hospital

#### A) Division of O&G

Name	Designation
Adj Prof Tan Hak Koon	Chair & Senior Consultant
Adj Prof Ho Tew Hong	Chief of Gynaecology & Emeritus Consultant
Adj Assoc Prof Chern Su Min Bernard	Senior Consultant
Prof Tan Kok Hian	Senior Consultant
Adj Assoc Prof Tee Chee Seng John	Senior Consultant
Adj Asst Prof Tan Kim Teng	Senior Consultant
Dr Mahesh Nataraj Sangrithi	Consultant
Lim Boon Heng Bryan	Assistant Director
Dr Dai Fei	Senior Research Associate
Ong Phei Hong	Senior Executive
Toh Guat Nee Liam	Senior Executive
Nurul Syaza Binte Razali	Senior Clinical Research Coordinator
Nyo Mie Win	Clinical Research Coordinator
Chan Hong Heng	Medical Laboratory Technologist
Low Siok Eng Fiona	Senior Secretary
Lim Teck Wee	Senior Associate Executive

#### B) Department of Minimally Invasive Surgery

Name	Designation
Adj Assoc Prof Chern Su Min Bernard	Head & Senior Consultant
Adj Asst Prof Wei Wei Wee-Stekly	Senior Consultant
Dr Lee Jiah Min	Consultant
Dr Michelle Lim Hui Ping	Consultant
Dr Jung Jingjin Jacqueline	Associate Consultant
Dr Hui Yan Yan Celene	Associate Consultant
Dr Shahul Hameed Mohamed Siraj	Senior Staff Physician
Zhang Yali	Senior Clinical Coordinator
Lim Hwee Theng Irene	Executive

#### C) Department of Gynaecological Oncology

Name	Designation
Adj Asst Prof Wong Wai Loong	Head & Senior Consultant
Adj Assoc Prof Yam Kwai Lam Phillip	Emeritus Consultant
Adj Asst Prof Chin Pui See Janice	Senior Consultant
Adj Asst Prof Iera Madan Aggarwal	Senior Consultant
Adj Instructor Tewani Girish Komal	Consultant
Dr Wang Junjie	Consultant
Dr Felicia Chin Hui Xian	Consultant
Dr Ho Weng Yan	Associate Consultant
Dr Qi Maili	Associate Consultant
Dr Lim Yu Hui	Associate Consultant
Dr Namuduri Ramapadmavathi Devi	Senior Staff Physician
Choo Joo Chin Annie	Senior Executive
Lin Xiao Hui	Senior Clinical Coordinator
Shirley Cheng Li Juan	Senior Associate Executive

# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## d) Department of Maternal Fetal Medicine

Name	Designation
Adj Asst Prof Shephali Tagore	Head & Senior Consultant Director, O&G International Medical Programmes
Dr Lai Fon Min	Visiting Consultant Head, Antenatal Risk Assessment Unit
Prof Tan Kok Hian	Senior Consultant Head, Perinatal Audit and Epidemiology Unit
Adj Asst Prof Wright Ann Margaret	Senior Consultant
Dr Ilka Tan	Consultant
Dr Koh Seow Choon Daniel	Consultant
Dr Sim Wen Shan	Consultant
Dr Thain Pei Ting Serene	Consultant
Dr Foo Anqi Sharon	Associate Consultant
Dr Lee Wai Kheong Ryan	Associate Consultant
Dr Ng Yang Fang Grace	Associate Consultant
Dr Anju Bhatia	Staff Physician
Dr Lionel Karunamary	Staff Physician
Dr Yeo Tai Wai	Chief Scientific Officer
Liew Sin Yi Cindy	Senior Executive
Tan Poh Ling Dina	Senior Clinical Coordinator
Norain Bte Kassim	Senior Clinical Coordinator
Christy Cao Yu Hua	Senior Clinical Coordinator
Ng Bee Yen Karina	Clinical Coordinator
Moe Thiha	Clinical Coordinator
Mahadavi Padma Lata	Statistical Officer
Serene Ong Si Min	Associate Executive
Jasmine Lim Wai Mun	Senior Associate
Siti Zubaidah Omar	Associate

## E) Department of O&G

Name	Designation
Adj Asst Prof Suzanna Sulaiman	Head & Senior Consultant Head of Unit, Inpatient Service
Adj Asst Prof Manisha Mathur	Deputy Head & Senior Consultant Head of Unit, Ambulatory Service
Adj Asst Prof Tan Vic Khi June	Senior Consultant
Adj Asst Prof Khong Chit Chong	Senior Consultant
Adj Asst Prof Mariamma George	Senior Consultant
Adj Asst Prof Kathirvel Rajeswari	Consultant
Dr Julian Kang Hean Leng	Consultant
Dr Seet Meei Jiun	Consultant
Dr Tan Shu Qi	Consultant
Dr Kho Chye Lee	Associate Consultant
Dr Sheri Lim Ee-Lin	Associate Consultant
Dr Serena Koh Meiling	Associate Consultant
Dr Yip Swee Lin	Associate Consultant
Dr Geetha Visvalingam	Associate Consultant
Dr Ng Xin Hui Ada	Associate Consultant
Dr Ho Ping Ling	Associate Consultant
Dr Ho Xin Yi	Associate Consultant
Adj Asst Prof Sonali Prashant Chonkar	Staff Physician
Dr Pramanick Angsumita	Staff Physician
Dr Ni Ni Soe	Senior Staff Registrar
Dr Boricha Yash Bhanji	Senior Resident Physician
Dr Neha Jinsiwale	Resident Physician
Dr Ami Jay Unarkar	Clinical Associate
Mohamed Yazid Bin Mohamed Abidin	Executive
Noridahyati Binte Suhaimi	Senior Associate Executive
Sheila Xiong Xi	Senior Associate Executive
Trish Koon Hui Ping	Clinical Research Coordinator
Doris Ong Mah Lay	Clinical Research Coordinator
Erica Nuriyah Fadziulah	Clinical Research Coordinator
Lee Pei Sian	Clinical Research Coordinator

# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## f) Reproductive Medicine is repeated twice

Name	Designation
Adj Asst Prof Sadhana Nadarajah	Head & Senior Consultant
Adj Asst Prof Phoon Wai Leng Jessie	Director, IVF Centre & Senior Consultant
Prof Jerry Chan Kok Yen	Senior Consultant
Adj Asst Prof Viardot-Foucault Veronique Celine	Senior Consultant
Adj Instructor Tan Tse Yuen	Consultant
Adj Instructor Liu Shuling	Consultant
Dr Chua Ka-Hee	Consultant
Dr Tan Shu Qi	Consultant
Dr Ee Tat Xin	Associate Consultant
Lim Chet Ling	Manager
Ng Xiang Wen	Assistant Manager
Lim Ee Lyn	Senior Executive
Khoo Su Ling, Charmaine Ann	Senior Executive
Hartini Binte Mohamed Senin	Senior Associate Executive

## g) Department of Urogynaecology

Name	Designation
Adj Assoc Prof Han How Chuan	Senior Consultant
Dr Kazila Bhutia	Consultant
Dr Huang Youjin Eugene	Associate Consultant
Dr Jill Lee Cheng Sim	Associate Consultant
Dr Kadam Pratima Datta	Senior Staff Registrar
Dr Priyanka Singh	Senior Staff Registrar
Wong Ah Chun Judy	Senior Executive
Peh Sin Ee Jolene	Clinical Coordinator
Tong Kim Feng Cheryl	Senior Associate

## h) Department of Menopause

Name	Designation
Adj Asst Prof Ang Seng Bin	Head & Senior Consultant
Dr Rukshini Puvanendran	Senior Consultant
Dr Lee Mi Li Jean Jasmin	Consultant
Dr Wong Hui Jing Eileen	Staff Registrar
Tan Siao Ling Catherine	Executive

## II) Singapore General Hospital Department of O&G

Name	Designation
Adj Assoc Prof Yong Tze Tein	Head & Senior Consultant
Adj Prof Ho Tew Hong	Emeritus Consultant
Adj Prof Ng Sen Ark Charles	Emeritus Consultant
Adj Assoc Prof Tan Hak Koon	Senior Consultant
Adj Assoc Prof Yu Su Ling	Senior Consultant
Adj Prof Tay Sun Kuie	Senior Consultant
Adj Asst Prof Chua Hong Liang	Senior Consultant
Adj Assoc Prof Tan Lay Kok	Senior Consultant
Adj Assoc Prof Devendra Kanagalingam	Senior Consultant
Adj Asst Prof Tan Wei Ching	Senior Consultant
Adj Asst Prof Hemashree Rajesh	Senior Consultant
Adj Asst Prof Tan Eng Loy	Senior Consultant
Adj Asst Prof Jason Lim Shau Khng	Consultant
Adj Asst Prof Ravichandran Nadarajah	Consultant
Dr Lim Liqing Serene	Consultant
Dr Yang Liying	Consultant
Dr Andy Tan Wei Keat	Consultant
Dr Lee Wai Yen	Associate Consultant
Dr Renuka Devi	Senior Staff Registrar
Liam Lay Peng Christine	Senior Secretary
Geetha D/O Arumuga Vandayar	Senior Associate Executive
Perrie Saw Siew Hong	Senior Associate

# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## E) Residency Cohort

### I) Senior Residency, Year 6 (2011 Intake)

S/N	Name
1	Dr Chuah Theng Theng – SSR

### II) Senior Residency, Year 6 (2012 Intake)

S/N	Name
1	Dr Muhammad Fairuz B Abdul Rahman
2	Dr Samantha Rachel Yeo Mei-E – SSR
3	Dr Wan Kai Jing – SSR

### III) Senior Residency, Year 6 (2013 Intake)

S/N	Name
1	Dr Ang Xiao Hong Joella – SSR
2	Dr Li Xin Yi – SSR
3	Dr Ng Zheng Yuan– SSR
4	Dr Tan Chiew Ping Caroline – SSR
5	Dr Tan Wan Chin Julia
6	Dr Wong Ker Yi – SSR

### IV) Senior Residency, Year 6 (2014 Intake)

S/N	Name
1	Dr Chua Hui Kiang Angeline
2	Dr Goh Shu Ying Charissa
3	Dr Goh Siak Ming
4	Dr Ku Chee Wai
5	Dr Lee Jia Yi
6	Dr Lim Whui Whui
7	Dr Loh Jia Min Michelle
8	Dr Ng Qiu Ju
9	Dr Shivani Durai
10	Dr Tong Carmen

### V) Senior Residency, Year 5 (2013 Intake)

S/N	Name
1	Dr Mok Zhun Wei

### VI) Senior Residency, Year 5 (2015 Intake)

S/N	Name
1	Dr Stella Rizalina Sasha
2	Dr Kwek Lee Koon
3	Dr Liu Jiayi
4	Dr Pamela Sandriany Partana
5	Dr Poo Zi Xi

### VII) Senior Residency, Year 5 (2016 Intake)

S/N	Name
1	Dr Smita Jindal

### VIII) Junior Residency, Year 4 (2015 Intake)

S/N	Name
1	Dr Ng Yifan

### IX) Junior Residency, Year 4 (2016 Intake)

S/N	Name
1	Dr Cheong Pei Shan Cassandra
2	Dr Dhilshad Bte Muhd Abdul Qadir
3	Dr He Song
4	Dr Li Mingyue
5	Dr Lim Poh Ting
6	Dr Siew Jia Yun Shayna
7	Dr Wang Wanxuan
8	Dr Yong Xiaoqi

# FACULTY APPOINTMENTS AS OF 31<sup>ST</sup> MARCH 2020

## X) Junior Residency, Year 3 (2015 Intake)

S/N	Name
1	Dr Han You Xiang Jonathan

## XIII) Junior Residency, Year 1 (2017 Intake)

S/N	Name
1	Dr Chia Bin Kai – was on LOA (NS)

## XI) Junior Residency, Year 3 (2017 Intake)

S/N	Name
1	Dr Lau Chang Qi Hester
2	Dr Lee Shi Hui
3	Dr Tan Yin Ru
4	Dr Wong Wan Yu Yvonne

## XIV) Junior Residency, Year 1 (2019 Intake)

S/N	Name
1	Dr Cheah Hui Shi Grace
2	Dr Chin Hui Men Selina
3	Dr Chua Zu'Er Amelia
4	Dr Kwek E-Jyn Michelle
5	Dr Ng Yan Shun
6	Dr Quak Wen Yu

## XII) Junior Residency, Year 2 (2018 Intake)

S/N	Name
1	Dr Chun Phoy Cheng Rachel
2	Dr Koh Miao Lin Crystal
3	Dr Lim Shu Hui
4	Dr Tang Toon Wen
5	Dr Tang Yafang
6	Dr Wong Tuck Chin Tiffany



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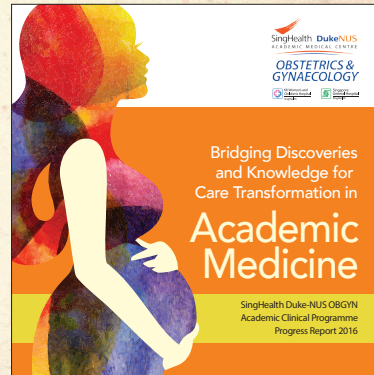


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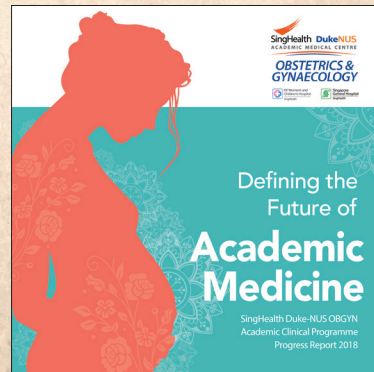
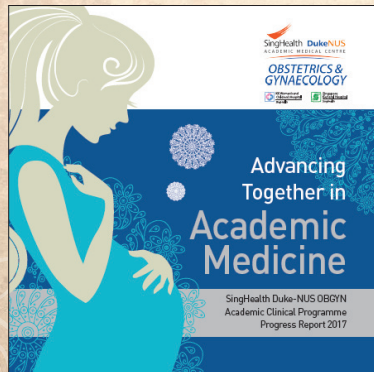


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Information correct as of 31 Dec 2020