

OBGYN

Academic Clinical Program



KK Women's and
Children's Hospital



Singapore
General Hospital

Partners in Academic Medicine



DUKE NUS
UNIVERSITY MEDICAL SCHOOL, SINGAPORE

SHAPING THE

LANDSCAPE

**OF ACADEMIC MEDICINE
PROGRESS REPORT 2011 / 2012**

ACADEMIC MEDICINE

Key Appointment Holders (KAHs)

“

*Improving Patient Care & Clinical Outcomes
Educating the Next Generation of Healthcare Professionals
Engaging in Innovative Medical Research*

”



Assoc Prof Tan Kok Hian
Academic Chair,
OBGYN ACP



Adj Assoc Prof Bernard Chern Su Min
Academic Vice Chair (KKH Campus),
OBGYN ACP



Adj Assoc Prof Tan Hak Koon
Academic Vice Chair (SGH Campus),
OBGYN ACP



Adj Prof George Yeo Seow Heong
Director, Research,
OBGYN ACP



Adj Prof Ho Tew Hong
Director, Continuing and Postgraduate Education,
OBGYN ACP



Adj Assoc Prof John Tee Chee Seng
Director, Medical Student Education,
OBGYN ACP

A Word from Our GROUP CEO

Through SingHealth's strategic partnership in Academic Medicine with the Duke-NUS Graduate Medical School, the Obstetrics & Gynaecology Academic Clinical Program (OBGYN ACP) was officially rolled out in May 2011. It was one of the first ACPs to be launched in SingHealth. The formation of the ACP model is consistent with practices in most academic medical centers in the world, where partnership between a healthcare provider and university provides a synergistic framework in improving healthcare.

The OBGYN ACP has established several initiatives since its formation. An Academic Medicine Culture Survey, conducted in 2011 and 2012, gave insights into staff engagement in realising the Academic Medicine Vision. The Division of O&G Workflow Improvement Workshop also brought new efficiencies to clinical service areas. Recently, SingHealth Duke-NUS ACP Grant Awards were established to promote clinical and translational research among junior doctors within the OBGYN ACP. Junior doctors are also being given opportunities to teach medical students - a change which has received much positive feedback.

Academic Medicine is changing the way we deliver care to our patients and meet their needs for the future. We seek your support and enthusiasm in creating a vibrant academic medicine culture. Let us embrace this wonderful opportunity to deliver better healthcare for tomorrow.

A portrait of Prof Ivy Ng, the Group CEO of SingHealth. She is a middle-aged woman with dark hair pulled back, smiling warmly at the camera. She is wearing a dark blue blazer over a matching turtleneck top. A name tag on her left lapel reads "PROF IVY NG". The background is a plain, light-colored wall.

“ Let us embrace this
unique opportunity to shape
tomorrow's medicine. ”

Prof Ivy Ng

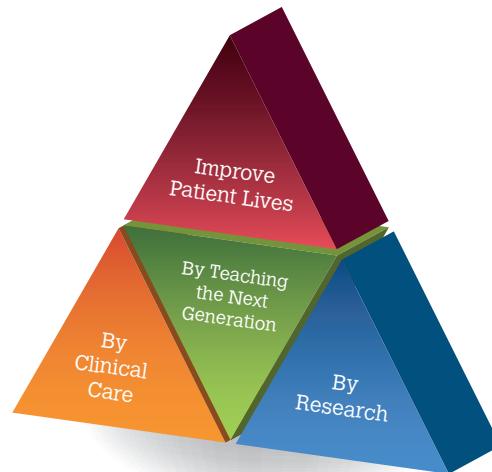
Group CEO, SingHealth

SHARED MISSION

The OBGYN ACP has a mission to improve the lives of patients through excellent clinical care, teaching and research. To fulfill this mission, 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-fertilisation of ideas and sharing of resources, collaborations are constantly forged between institutions to achieve our goals in Academic Medicine.

Striving for continual **improvement in clinical outcomes and better patient care**, we aim to build a pool of clinician educators to educate the younger generation and ensure a high standard of clinical excellence for the future. Our faculty also work together with experts from various fields to pioneer new modes of diagnosis and treatment.

“ Let’s look forward to exciting times ahead as we work to create an innovative and collaborative academic medical landscape. ”



SingHealth Duke-NUS OBGYN ACP





Assoc Prof Tan Kok Hian
Academic Chair, OBGYN ACP

“ Academic Medicine (AM) is about taking a holistic approach to clinical care, education and research. The pursuit of Academic Medicine marks our definitive move towards an academic healthcare environment, which engenders

evidence-based medicine, patient care improvements and higher quality care. In this pursuit of excellence, the OBGYN ACP has journeyed through many significant milestones. ”

MILESTONES

Launch of the SingHealth Duke-NUS OBGYN ACP
May 2011

SingHealth and the Duke-NUS Graduate Medical School came together to form a strategic partnership in Academic Medicine. Under this partnership framework, various programmes from different clinical specialties were introduced in phases. The SingHealth Duke-NUS OBGYN ACP was one of the first programs to be formed.

The formation of the ACP model is consistent with practices in most academic medical centers in the world where partnership between a healthcare provider and a university provides a synergistic framework that improves healthcare through pursuing excellence in care, teaching and research.

Key Appointment Holders for the OBGYN ACP were officially appointed on October 2011. Since then, the OBGYN ACP has brought together both KK Women’s and Children’s Hospital (KKH) and Singapore General Hospital (SGH) in the common missions of enhancing clinical expertise and developing education and research excellence.

Academic Culture Survey

November 2011 and 2012

Initiated by Assoc Prof Tan Kok Hian, the Academic Culture Survey sought to measure sentiments on the ground towards academic endeavors. It had a successful response rate of 80% from senior and junior doctors in KKH and SGH.

OBGYN ACP Faculty Development Retreat 2012

February 2012

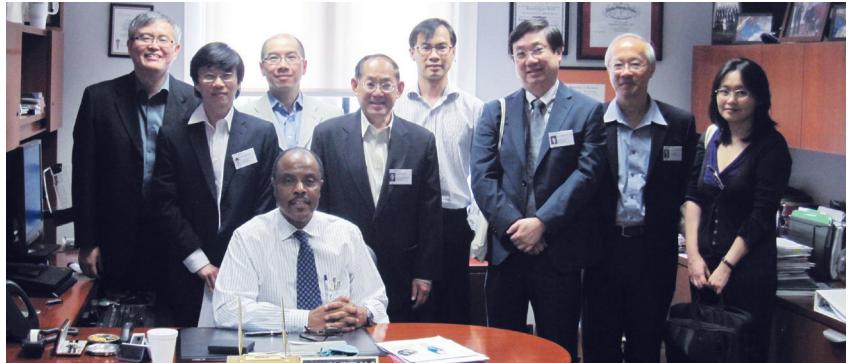
A total of 43 participants from KKH and SGH attended this retreat. The aim was to inform and update ACP staff on the program's structure, function, progress and future direction, as well as to facilitate esprit de corps between faculty and staff from both hospitals within the OBGYN ACP family.



Some photos taken during the retreat in Le Grandeur Palm Resort Johor



(From left) Prof Ho Tew Hong, Adj Assoc Prof Tan Hak Koon, Dr Tan Lay Kok, Assoc Prof Tan Kok Hian, Adj Assoc Prof Bernard Chern, Assoc Prof Jerry Chan, Dr Lim Sheow Lei and Adj Prof George Yeo in Duke University



OBGYN Faculty with Prof Haywood Brown, Chairman, Department of Obstetrics and Gynecology at Duke University Medical Center in Durham, North Carolina

Establishment of Evidence-Based Medicine Practice Improvement Committee (OBGYN EBM-PIC)

March 2012

The OBGYN EBM-PIC was one of the initiatives created after the Faculty Development retreat. The objective of the committee includes regularly reviewing various guidelines to ensure that ACP current practice keeps up to date and is medico-legally appropriate. The committee is chaired by Dr

Tan Lay Kok, Senior Consultant and Assistant Program Director, OBGYN Residency.

Duke Durham Study Trip

August 2012

A total of 10 delegates from OBGYN ACP embarked on a study trip to Duke University, Durham, USA. The study trip allowed the OBGYN ACP to learn about the organisational culture of Duke University - its various levels of leadership, departmental organisation, clinical services, finances and administration processes, research interests and education programmes.



**Adj Assoc Prof Bernard
Chern Su Min**
Academic Vice Chair
(KKH Campus), OBGYN ACP



July 2012
IV Asian Congress (O&G) Gold Medal Award

(On right) **Dr Liu Shuling** receiving her award in NUS Commencement Day 2012

Dr Liu Shuling was awarded for her achievement of the highest combined score in the Written and Oral sections of the M.Med examination at the first attempt after recommendation and approval by the M.Med (O&G) Examination Committee.

AWARDS AND ACHIEVEMENTS

By devoting more time and energy to education and research, we will be able to achieve continual advancement in clinical care for patients and discover innovative solutions to their problems.

For their distinguished and outstanding contributions to Academic Medicine, our clinicians have been recognised with strong appreciation of their dedication.



August 2012
SingHealth Duke-NUS Scientific Congress 2012- Best Oral Presentation for Translational Research

(From left) Assoc Prof Tan Kok Hian and SingHealth GCEO Prof Ivy Ng

Assoc Prof Tan Kok Hian was awarded for best oral presentation for translational research on 'Plasma Membrane Vesicles (exosomes) as a Source of Biomarkers to Prospectively Stratify Pregnant Women at Risk for Pre-eclampsia'.



August 2012
SingHealth Academy Duke-NUS Golden Apple Awards 2012- Programme Innovation Award (Nursing)

(From Left) Minister of Health Mr Gam Kim Yong, Ms Lim Beng Keow, Asst Director of Nursing, Nurses Development Unit, Ms Paulin Koh, Deputy Director, Division of Nursing and Asst Prof Tan Thiam Chye, Consultant, Department of O&G, KKH.

O&G Resident Nurse Training Course (Programme Development Team) Julia Eng, Giam Poh Eng, Joanne Goh, Yasmin Ho, Yang Fang, Paulin Koh, Lim Beng Keow, Asst Prof Lim May Li, Christine Sin, Janet Sengalrayan, Dr Tan Kai Lit, Tan Soh Chin, Asst Prof Tan Thiam Chye, Teo Chor Cher, Thilagamangai & Pauline Wee were awarded for innovative educational programme to enhance the quality of teaching and learning for Resident Nurses.

The team was recognised for their innovative effort in developing an educational programme to enhance the quality of teaching and learning for Resident Nurses.



August 2012
SingHealth Academy Duke-NUS Golden Apple Awards 2012- Outstanding Young Educator (Medical)

(From left) Minister of Health Mr Gan Kim Yong and Adj Asst Prof Chia Yin Nin

Adj Asst Prof Chia Yin Nin receiving her award for her outstanding teaching potential among young educators (below the age of 40) and dedication and commitment to excellence in educating the next generation of healthcare professionals.





August 2012

Best Residency Program by GCEO – SingHealth O&G Residency

(From left) Dr Chua Ka Hee, Dr Muhammad Bin Fairuz, Assoc Prof Lim Boon Leng, Adj Asst Prof Goh Shen Li, Dr Amy Forsberg Condon, Adj Assoc Prof Philip Yam Kwai Lam, Dr Devendra S/O Kanagalingam, Prof Ivy Ng, Dr Ho Weng Yan, Dr Jill Lee Cheng Sim, Dr Lim Yu Hui, Dr Samantha Yeo, Dr Ho Ping Ling, Dr Ee Tat Xin, Ms Ly Phuong Hao and Ms Megan Wong Chor Yan.

In recognition of the outstanding achievements of the O&G Division and ACP, the SingHealth OBGYN Residency was awarded the Best Residency Program by GCEO on August 2012. The SingHealth Residency Program leaders include OBGYN Residency Program Director Adj Assoc Prof Bernard Chern Su Min, Associate Program Director (KKH) Adj Asst Prof Goh Shen Li and Associate Program Director (SGH) Dr Tan Lay Kok.



(From left) Minister of Health Mr Gan Kim Yong and Adj Prof George Yeo Seow Heong

Adj Prof George Yeo Seow Heong was awarded for his distinguished and outstanding contributions as a mentor, teacher, researcher and clinician in the development of Obstetrics & Gynaecology (Maternal Fetal Medicine) in Singapore.

August 2012

Ministry of Health's National Medical Excellence Awards 2012 - National Outstanding Clinician Mentor Award

(From left) Ms Chia Soon Noi, Ms Jacqueline Dayuta, Head of High 5s Committee Assoc Prof Tan Kok Hian, Assoc Prof Henry Tan, Ms Pang Nguk Lan, Ms Ong Lay Teng

The High 5s Patient Safety Project focused on prevention of wrong site / wrong procedure / wrong person surgical errors. In particular, Correct Site Surgery protocol received an overhaul, involving comprehensive process re-engineering and enhanced compliance with pre-operative verification, site marking and final time-out calls for all relevant surgical cases done in the Major Operating Theatre.



September 2012

Asian Hospital Management Award (HMA) 2012 - High 5s Patient Safety Project



October 2012

National Infocomm Awards 2012 - Most Innovative Use of Inforcomm Technology (Public Sector)

Winners of the National infocomm Awards 2012 with Infocomm Development Authority (IDA) Chief Executive Officer Mr Ronnie Tay (extreme left), Minister for Communications and Information Dr Yaacob Ibrahim (fifth from left), Adj Assoc Prof Bernard Chern Su Min (Third from right) and Singapore Infocomm Technology Federation (SiTF) Chairman Mr Eddie Chau (extreme right).

The Surgical Counting and Operating Theatre Tracking System (SCOTT) led by Adj Assoc Prof Bernard Chern, Head, Department of O&G, KKH, was recognised as a significant enhancement to patient safety. The radio-frequency identification system electronically locates and identifies surgical items used during a surgical procedure, eliminating the risk of retained surgical instruments, gauzes or any other sterile consumables in a patient's body after surgery.



Adj Assoc Prof Tan Hak Koon

Academic Vice Chair
(SGH Campus), OBGYN ACP

Clinical Services for Calendar Year 2012	KKH & SGH
Total Manpower (Assoc Consultant and above)	49
Outpatient Consultation (Gynaecology)	165,745
Outpatient Consultation (Obstetrics)	113,124
Inpatient (Gynaecology)	7,638
Inpatient (Obstetrics Deliveries)	13,381

CLINICAL SERVICES

Our mission is centered on improving the lives of patients and this has always been our *raison d'être*. Our strengths in research and education will enable us to differentiate the care we deliver to our patients.

“

Excellence in care touches the hearts of patients and those around them. We are committed to grooming staff to deliver the highest standards of care.

”

CLINICAL TRAINING EVENTS

A) 8th International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) Outreach Course 2012

The course, chaired by Adj Prof George Yeo Seow Heong, was held from 7 to 9 April 2012. It was organised by the ISUOG Teaching and Training Center (TTC) in Singapore, in conjunction with the third Scientific Congress of the College of O&G, Singapore, with the theme of “Fetal Surveillance: What a Normal 20-Week Scan Does Not Tell You”. Topics included the application of ultrasound in fetal surveillance in clinical settings to detect Intrauterine growth restriction (IUGR), twin to twin pregnancy (TTTS), intracranial pathology from antenatal insults such as cytomegalovirus (CMV) infections, and lectures on sonographic milestones of the fetal cerebral cortex.

B) Regional Congress of The Asia-Pacific Association for Gynecologic Endoscopy and Minimally Invasive Therapy (APAGE) 2012

The congress was jointly organised by the KK Women's and Children's Hospital (KKH) Minimally Invasive Surgery Unit (MIS), The College of Obstetricians and Gynaecologists, Singapore, SingHealth Duke-NUS OBGYN ACP and the Asia Pacific Association for Gynecologic Endoscopy and Minimally Invasive Therapy. Held on 23 and 24 July 2012 at KKH, it was chaired by Adj Assoc Prof Bernard Chern Su Min, with the theme of "Endometriosis and Complex Pelvic Surgery".

The Organising Committee conducted an excellent two day programme, comprising interesting MIS topics ranging from robotic surgery in endometriosis versus laparoscopy, post-operative medical treatment in endometriosis, adenomyomectomy in subfertility cases, the role of single port surgery endometriosis and cystectomy prior to in vitro fertilization (IVF).



(From left) Adj Asst Prof Khoo Chong Kiat, Adj Assoc Prof Bernard Chern Su Min and participants of the event



*Opening speech by
Assoc Prof Tan Kok Hian,
Chairman, Division of O&G, KKH*



*Talk in Chinese by
Dr Ang Seng Bin
Head and Consultant, Family Medicine
Service and Menopause Unit, KKH*



*Talk in Malay by
Adj Instructor Dr Suzanna Sulaiman
Assoc Consultant,
Department of O&G, KKH*

C) Annual Menopause Public Forum - The Age of Freedom

The Annual Menopause Forum 2012 was held at the Jubilee Hall, Gardens by the Bay on 20 October 2012. It was conducted in three different languages - English, Chinese and Malay, reaching out to more than 600 people. Dr Ang Seng Bin, Head and Consultant, Family Medicine Service and Menopause Unit; Adj Instructor Dr Suzanna Sulaiman, Assoc Consultant, Department of O&G, KKH together with a team of medical experts from KKH shared on topics, such as 'Menopause - Be Free', 'Healthy eyes, happy sight', 'Active mind, healthy life', 'Eating good, living well', 'Intimacy for life' and 'Looking good, feeling great'.

RESEARCH

Tapping on the strong research capabilities of our partners in Academic Medicine - Duke-NUS Graduate Medical School (Duke-NUS GMS), our research efforts are further boosted by closer collaborations between researchers and clinicians from KKH and SGH. The Academic Medicine Research Institute (AM-RI) serves as an academic nexus, providing scientific support and help to conduct innovative translational, clinical and health service research.



We believe that Academic Medicine will continue to build on our rich legacy of medical excellence through research, innovation and education.

Research Highlights

A) Neonatal & Obstetric Risk Assessment I (NORA 1)

The study aims to develop a rigorous and clinically useful system to screen pregnancies, improving pregnancy outcomes while reducing the overall burden on the healthcare system and allowing re-deployment of healthcare resources. This is done through an integrated assessment of current known risk factors associated with adverse pregnancy outcomes, coupled with novel biochemical and biophysical risk factors and screening tests. This will allow the identification of a group of women at increased risk for pregnancy complications who require more intensive antenatal follow up. The improvement in pregnancy outcome results not only in a healthy mother and baby, but also provides the ideal backdrop for the child to grow and develop under optimal conditions for physical, mental and psychological well-being.

The grant amount of \$1.2 million was approved by National Medical Research Council (NMRC) to support the research span from May 2010 to March 2013. The principal investigator is Assoc Prof Tan Kok Hian, Senior Consultant, Department of Maternal Fetal Medicine, KKH.

B) B&B – Singapore Institute for Clinical Sciences (SICS)

The primary purpose of the research project is to develop technologies that allow the diagnosis of fetal aneuploidies and single gene diseases, as well as pregnancy associated disorders through analysing fetal DNA or RNA in maternal plasma. Traditional prenatal diagnosis relies on obtaining fetal tissue through invasive procedures such as amniocentesis and chorionic villus sampling. These procedures carry certain risk to the fetus. Fetal DNA and RNA in maternal circulation provide a promising source for non-invasive prenatal diagnosis.

The grant amount of \$600,000 was approved by the Singapore Institute for Clinical Sciences (SICS) to support the research span from April 2010 to March 2013. The investigators are Principal Investigator, Adj Prof George Yeo Seow Heong, Senior Consultant, Department of Maternal Fetal, KKH and Dr Ding Chun Ming, SICS.

SGH & KKH

Research for Calendar Year 2012

Research & Industry Grants	\$2,170,866
Journal Publications	39
Number of Clinician Scientists & Clinician Scientist-Residents	3



Adj Prof George Yeo Seow Heong
Director, Research,
OBGYN ACP

C) Rapid isolation of two distinct plasma membrane microparticle populations for biomarker discovery and assay – Collaboration study KKH-IMB-NTU

In collaboration with Institute of Molecular Biology (IMB) and Nanyang Technology University, KKH developed proprietary technologies to isolate two mutually exclusive populations of plasma membrane vesicles from pooled plasma of pre-eclampsia pregnant (3rd trimester) women and matched controls. Potential robust biomarkers were discovered using mass spectrometry, and are currently undergoing validation. This discovery enables pregnant women with pre-eclampsia to be diagnosed early, reducing length of hospitalisation, intensive care and other long term adverse health effects on mother and child.

The grant amount of \$195,000 was approved by the NMRC to support the research span from September 2011 to September 2013. The principal investigator is Assoc Prof Tan Kok Hian, Senior Consultant, Department of Maternal Fetal Medicine.

Year 2012 Selected OBGYN Publications:

1. Haniffa M, Shin A, Bigley V, McGovern N, Teo P, See P, Wasan PS, Wang XN, Malinarich F, Malleret B, Larbi A, Tan P, Zhao H, Poidinger M, Pagan S, Cookson S, Dickinson R, Dimmick I, Jarett RF, Renia L, Tam J, Song CL, Conolly J, **Chan KY**, Gehring A, Bertoletti, Collin M, Ginhoux F. Human tissues contain CD141(hi) cross-presenting dendritic cells with functional homology to mouse CD103(+) nonlymphoid dendritic cells. *Immunity* 2012;37(1):60-73. [JIF: 21.637]
2. Lai RC, Ronne YYW, **Tan KH**, Lim SK. Exosomes for drug delivery - a novel application for the mesenchymal stem cell. *Biotechnology Advances*. Aug 2012. [Epub ahead of print] [JIF: 9.646]
3. Jin S, Lin XM, Law H, **Kwek YC**, **Yeo GSH**, Ding C. Further improvement in quantifying male fetal DNA in maternal plasma. *Clin Chem* 2012 Feb;58(2):465-8. [JIF: 7.905]
4. Liu Y, Teoh SH, Chong MS, Lee ES, Mattar CN, Randhawa NK, Zhang ZY, Medina RJ, Kamm RD, Fisk NM, Choolani M, **Chan KY**. Vasculogenic and Osteogenesis-Enhancing Potential of Human Umbilical Cord Blood Endothelial Colony-Forming Cells. *Stem Cells* 2012. 30(9):1911-1924 [JIF: 7.781]
5. Li LJ, Cheung CY, Ikram MK, Gluckman P, Meaney MJ, Chong YS, **Kwek YC**, Wong TY, Saw SM. Blood Pressure and Retinal Microvascular Characteristics During Pregnancy: Growing Up in Singapore Towards Healthy Outcomes (GUSTO) Study. *Hypertension* 2012; 60(1): 223-230. [JIF: 6.207]
6. **Tan KH**, Sabapathy A. Maternal glucose administration for facilitating tests of fetal wellbeing. *Cochrane Database Syst Rev*. 2012 Sep 12;9:CD003397. [JIF: 4.654]
7. **Lim WY**, Saw SM, **Tan KH**, **Yeo GSH**, **Kwek YC**. A cohort evaluation on arterial stiffness and hypertensive disorders in pregnancy. *BMC Pregnancy Childbirth*. 2012 Dec 26; 12(1):160 [JIF: 2.830]
8. **Rajendra M**, **Han HC**, **Lee LC**, **Tseng LA**, **Wong HF**. Retrospective study on tension-free vaginal tape obturator (TVT-O). *International Urogynecology Journal* 2012; 23(3): 327-334. [JIF: 2.368]
9. **Wee WW**, **Chia YN**, **Yam PKL**. Diagnosis and treatment of vaginal intraepithelial neoplasia. *International Journal of Gynecology & Obstetrics* 2012; 117 (1): 15-17. [JIF: 1.704]
10. **Tagore S**, **Chern SM**, **Goh SL**, **Tan LK**, **Kwek YC**, **Tan KH**. (2012) Specialist Training in Obstetrics and Gynecology in Singapore: Transition to Structured Residency Program. *Journal of Graduate Medical Education*: June 2012, Vol. 4, No. 2, pp. 272-275.

Clinician Scientist: Assoc Prof Jerry Chan Kok Yen

Assoc Prof Jerry Chan is currently Consultant, Department of Reproductive Medicine, KKH. Among many prestigious awards he has received, he was awarded the Benjamin Henry Sheares Memorial Lecture in 2011, and has won several prizes from the International Society of Prenatal Diagnosis and Therapy, the International Fetal Medicine and Surgery Society, the American Society of Gene Therapy and the International Society of Stem Cell Research.

Assoc Prof Jerry Chan currently holds several research grants from the National Medical Research Council (NMRC), Biomedical Research Council (BMRC) and SingHealth Foundation in Stem Cells, Gene Therapy and Reproductive Medicine, stretching the basic bench to bedside continuum.

Assoc Prof Jerry Chan is involved in mentoring aspiring Clinician Investigators and Clinician Scientists in KKH.

He believes that strength in research will enable us to differentiate the care clinicians deliver to patients. By merging clinical care, education and new discoveries, we can raise Academic Medicine to new standards of clinical care.

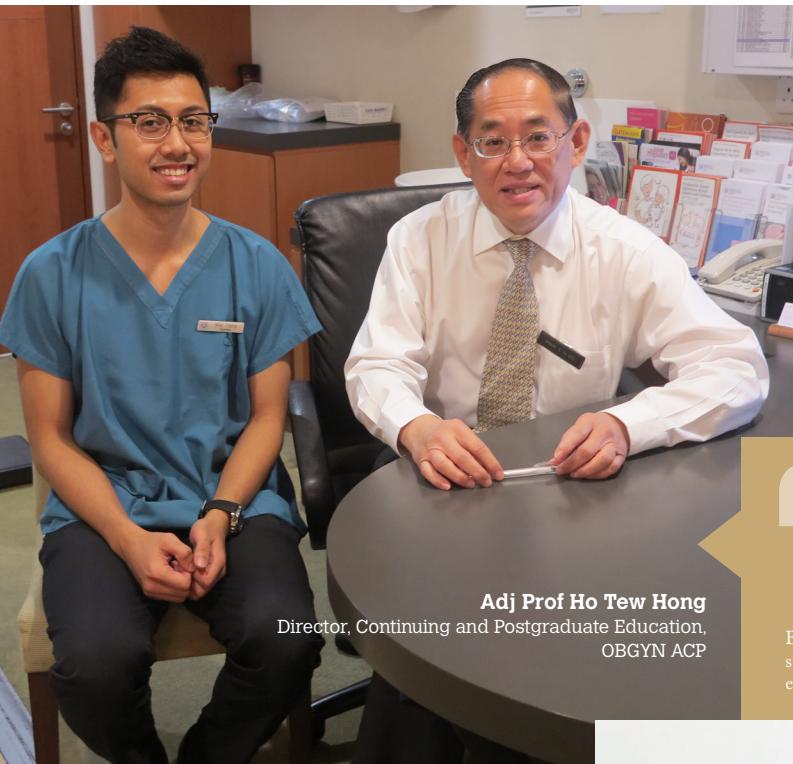
Clinician Scientist-Resident:
Dr Ryan Lee Wai Kheong

Let's hear from our Clinician Scientist-Resident why he chose the Clinician Scientist Residency (CSR) and what he had achieved so far.



At SingHealth Clinician Scientist Residency Programme, core faculty members look after the welfare of residents, providing adequate educational and research support for the benefit of residents. I am grateful to be part of several research projects, assisting with research proposals, submitting projects to the Institute Review Board (IRB) for approval and reviewing grants under the supervision of my mentor.

I am truly proud to be part of the SingHealth Clinician Scientist Residency Programme. I believe that the new Clinician-Scientist track residency can train the next batch of clinician scientists to cement Singapore's position as a global medical hub, attracting talents working in tandem to spur Singapore to greater heights in the pursuit of medical excellence.



Adj Prof Ho Tew Hong
Director, Continuing and Postgraduate Education,
OBGYN ACP

Education for Calendar Year 2012 KKH & SGH

Number of Clinicians holding Faculty Appointment or Academic Titles	41
Number of Students - YLL SoM	199
Number of Students - Duke-NUS GMS	49
Growth of Medical Students Number from 2011 to 2012	12%
Number of OBGYN Residents	27
Number of Basic Specialist Trainees (BST)	10
Number of Advanced Specialist Trainees (AST)	9

“ We have a strong legacy of medical education at Singapore General Hospital and KK Women's and Children's Hospital dating back over a century. ”

Building on this heritage, the launch of OBGYN ACP aims to synergise the collective strength of SingHealth's clinical expertise and research with Duke-NUS' medical education, capabilities to bring clinical excellence to new high level.

EDUCATION

“ I believe that the best way to learn is to teach, and to teach is to have learned twice. ”

The spirit of inquiry and generosity in sharing experiences makes a real difference in the care each patient receives. We are proud to have many dedicated teachers in the OBGYN ACP. It is this spirit of inquiry and curiosity, constantly questioning and challenging conventional belief and wisdom that will allow us to progress in Academic Medicine.



Adj Assoc Prof John Tee Chee Seng
Director, Medical Student Education,
OBGYN ACP



SingHealth OBGYN Residency Program Assoc Program Director: Adj Asst Prof Goh Shen Li

The SingHealth OBGYN Residency Program began in July 2011 with 14 residents. Upon the completion of their first residency year, residents shared their positive feedback and experiences. The programme won the Best Residency Award of SingHealth in August 2012.

Our program remains a highly popular choice amongst graduating seniors as they recognise the encouraging and fruitful training culture of our division. Every doctor in the division plays a role in educating our future specialists, and opportunities for research are abundant.

Medical Officer Trainee:
Dr Andy Tan Wei Keat



It is an honour to be able to pursue a meaningful career under the dedicated guidance of my seniors and colleagues.

In 2010, I was privileged to join Basic Specialist Training programme (BST) as a trainee. It was a very structured training programme, emphasising clinical and academic excellence.

Under the BST programme, I was given opportunities to attend many tutorials, practical workshops, and national and international conferences to ensure adequate exposure to all the necessary aspects of my training. These also created opportunities for research and the practice of evidence-based medicine.

To date, I have published two papers in the Singapore Medical Journal (SMJ) and presented a systematic review during the SGH Annual Scientific Meeting (ASM) winning the 'Best Speaker' award. All these achievements would not have been possible without the training and help of my seniors and peers.

The practice of medicine is a lifelong learning and teaching process. I sincerely hope that in time to come, I will be able to help and encourage my juniors in the same way that my seniors taught and guided me.



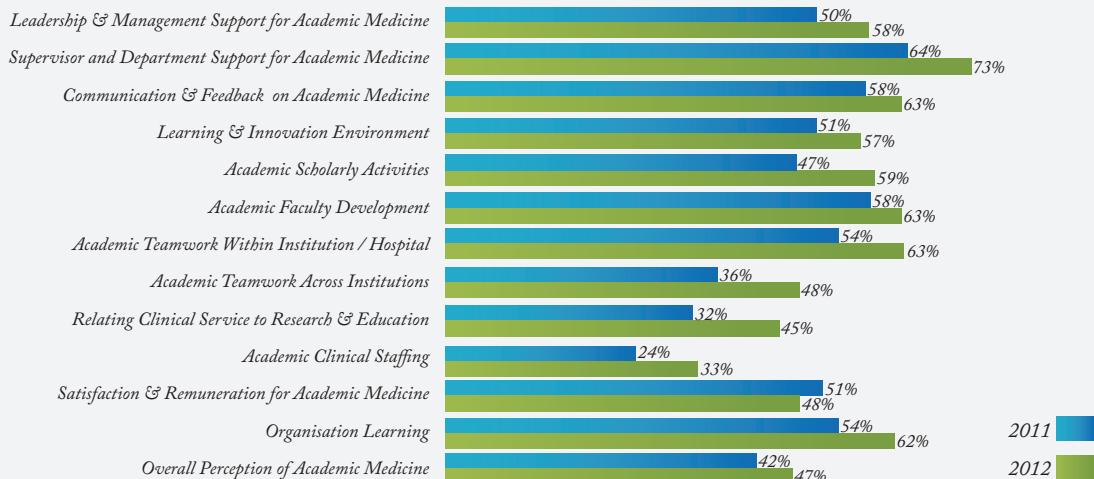
SingHealth OBGYN Resident:
Dr Serene Thain Pei Ting

I chose to join the SingHealth OBGYN Residency Program as my personal experiences in SGH and KKH as a medical student and subsequently a house officer indicated that it was THE place to train for O&G. Indeed, this choice has been proven right, with both institutions providing opportunities to see many patients and be exposed to a wide range of obstetrics and gynaecological conditions. The program also has many willing, inspiring senior doctors who teach, making all the difference to my education and training. In addition, I greatly appreciate that the O&G residency faculty are very responsive to our feedback, and constantly and tirelessly work to improve the training aspects of the programme for our benefit.

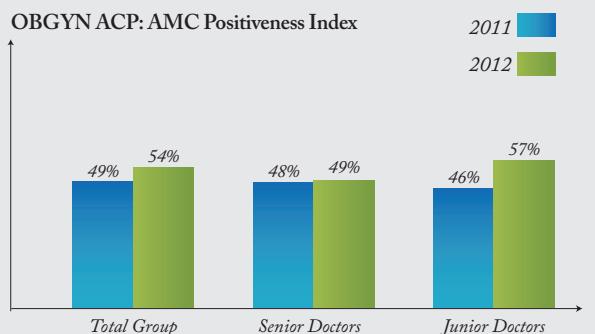
ACADEMIC MEDICINE CULTURE SURVEY

The inaugural Academic Medicine Culture Survey was introduced on 11 November 2011, successfully achieving an overall participation rate of 80% in the OBGYN Academic Clinical Program (ACP). Since then, the survey has also been introduced to the Paediatrics ACP as well as Department of Obstetrics and Gynecology from Duke University Medical Center, North Carolina.

In December 2012, a second survey was conducted to assess the Academic Medicine Culture one year after the inception of the OBGYN ACP. The same questionnaire was used (13 dimensions, 4 questions each dimension) based on a 5-point Likert Scale. The result showed overall improvement of academic medicine culture in 12 out of the 13 dimensions surveyed.



OBGYN ACP: AMC Positiveness Index



The survey revealed significant improvements of 11% -12% from previous year in areas involving Academic Scholarly Activities, Academic Teamwork within Institution and Relating Clinical Services to Education and Research. The lowest-scoring dimension in the 2011 survey (Academic Clinical Staffing) also showed an improvement of 9%. The survey observation is in line with the OBGYN ACP's effort to continue to promote education and research.

Overall, the survey identified many encouraging improvements of Academic Medicine Culture in the OBGYN ACP. The survey is useful for assessing areas of improvement and is an important benchmark for comparison with other academic clinical programmes in Singapore and internationally.



KK Women's and Children's Hospital, Division of O&G



Singapore General Hospital, Department of O&G

“
 Everyone can
 have a part to play in
 Academic Medicine
 ”



SingHealth OBGYN Residency Program Year 2011



SingHealth OBGYN Residency Program Year 2012

“ Appreciating all who play different but equally important roles shaping the landscape of Academic Medicine ”



Wei Xing

Chin
Wai Tieng

Jaxii Yong

Marianne
AuNg
Mor JackMelissa
Lim Li ShanNarinder
Kaur

1
SingHealth
Duke-NUS
OBGYN ACP
Administrative
Team

Name	Designation
Assoc Prof Tan Kok Hian	Academic Chair
Adj Assoc Prof Tan Hak Koon	Vice Chair (SGH Campus)
Adj Assoc Prof Bernard Chern Su Min	Vice Chair (KKH Campus)
Adj Prof George Yeo Seow Heong	Director, Research
Adj Prof Ho Tew Hong	Director, Professional & Post Graduate Education
Adj Assoc Prof John Tee Chee Seng	Director, Medical Student Education
Marianne Au	Assistant Director, ACP Finance
Jaxii Yong	Senior Manager
Ng Mor Jack	Senior Executive
Wei Xing	Research Coordinator
Narinder Kaur	Research Coordinator
Melissa Lim Li Shan	Executive
Chin Wai Tieng	Executive

2

Education

Name	Designation
I) SingHealth Obstetrics and Gynecology Residency Program	
Adj Assoc Prof Bernard Chern Su Min	Program Director
Adj Asst Prof Goh Shen Li	Assoc Program Director, KKH Campus
Dr Tan Lay Kok	Assoc Program Director, SGH Campus
Adj Assoc Prof Philip Yam Kwai Lam	Program Core Faculty, KKH Campus
Dr Amy Forsberg Condon	
Adj Asst Prof Cynthia Kew Chia Yng	
Adj Asst Prof Khoo Chong Kiat	
Adj Asst Prof Shephali Tagore	
Adj Asst Prof Tan Heng Hao	
Adj Assoc Prof Devendra Kanagalingam	Program Core Faculty, SGH Campus
Adj Assoc Prof Tan Wei Ching	Program Executive
Megan Wong Chor Yan	
Ly Phuong Hao	
II) Duke-NUS Graduate Medical School	
Assoc Prof Tan Kok Hian	O&G Clerkship Director
Asst Prof Tan Thiam Chye	O&G Clerkship Coordinator
Rachel Chong	Clinical & Faculty Affairs Executive
Mabel Yap Mei Hsien	Clinical & Faculty Affairs Administrative Asst
Liza Nur-Edaliza Osman	
III) Yong Loo Lin School of Medicine	
Adj Asst Prof Khoo Chong Kiat	O&G Clerkship Coordinator
Kathleen Seng Seow Hui	Administrative Asst
VI) Lee Kong Chian School of Medicine	
Adj Asst Prof Tan Heng Hao	O&G Clerkship Lead

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SingHealth & Duke-NUS

Name	Designation
I) Joint Office of Academic Medicine (JOAM)	
Dr Edwin Low Cheng Tee	Group Director
Foo Suan Jong	Deputy Director
Katheryn Maung	Deputy Director, Group Communication & JOAM
II) Academic Medicine Education Institute (AM-EI)	
Prof Robert Kamei	Vice Dean, Education, Duke-NUS
Assoc Prof Koo Wen Hsin	Group Director, Education, SingHealth
III) Academic Medicine Research Institute (AMRI)	
Prof John Rush	Vice Dean, Clinical Sciences, Duke-NUS and Executive Director
Prof Wong Tien Yin	Group Director (Research), SingHealth



Name	Designation
1) KK Women's and Children's Hospital	
a) Division of O&G	
Assoc Prof Tan Kok Hian	Chairman; Director, Clinical Quality; Head, & Senior Consultant Perinatal Audit & Epidemiology
Adj Assoc Prof Bernard Chern Su Min	Deputy Chairman; Head & Senior Consultant, Department of O&G & MIS Unit
Adj Prof George Yeo Seow Heong	Chief of Obstetrics & Head & Senior Consultant, Department of Maternal Fetal Medicine & Obstetrics & Prenatal Diagnostic Unit
Adj Prof Ho Tew Hong	Chief of Gynaecology & Senior Consultant, Department of O&G, SGH
Adj Assoc Prof John Tee Chee Seng	Senior Consultant
Adj Asst Prof Tan Kim Teng	Senior Consultant
Bryan Lim Boon Heng	Manager
Fiona Low	Secretary
Lim Teck Wee	Admin Asst
Nurul Syaza	CRC
Nyo Mie Win	CRC
Halimah Binti Ibrahim	CRC
Poon Yan Yi	CRC
Melinda Leonie	CRC
Chan Hong Heng	Medical Technologist
Vithya Tarmalingam	Admin Asst
b) Department of Gynaecological Oncology	
Adj Assoc Prof Phillip Yam Kwai Lam	Head & Senior Consultant
Adj Asst Prof Chia Yin Nin	Deputy Head; Head & Senior Consultant, Gynaecological Cancer Unit
Adj Asst Prof Timothy Lim Yong Kuei	Head & Consultant, Pre-invasive Disease & Screening Unit
Dr Lim Sheow Lei	Consultant
Adj Asst Prof Chin Pui See	Consultant
Adj Instructor Elisa Koh Poh Kim	Consultant
Dr Wong Wai Loong	Assoc Consultant
Dr Ieera Aggarwal	Assoc Consultant
Annie Choo Joo Chin	Senior Secretary

Name	Designation
c) Department of Maternal Fetal Medicine	
Adj Prof George Yeo Seow Heong	Chief of Obstetrics; Head & Senior Consultant, Department of Maternal Fetal Medicine & Obstetrics & Prenatal Diagnostic Unit
Adj Prof Kenneth Kwek Yung Chiang	Chief Executive Officer, KKH; Senior Consultant
Assoc Prof Tan Kok Hian	Chairman; Director, Clinical Quality; Head & Senior Consultant, Perinatal Audit & Epidemiology
Dr Lai Fon Min	Head & Visiting Consultant, Antenatal Risk Assessment Unit
Asst Prof Lim May Li	Head & Consultant, Peripartum Unit
Adj Asst Prof Shephali Tagore	Director & Consultant, International Medical Program
Adj Asst Prof Edwin Thia Wee Hong	Consultant
Esther Low Poh Hoon	Manager
Julieanna Md Noor	Secretary
Moe Thiha	CRC
Kyaw Ei Ei Phyoo	CRC
Michelle Lin Xueqin	CRC
d) Department of O&G	
Adj Assoc Prof Bernard Chern Su Min	Deputy Chairman; Head & Senior Consultant, Department of O&G & MIS Unit
Dr Wee Horng Yen	Deputy Head; Head & Visiting Consultant, Team B Unit
Adj Asst Prof June Tan Vic Khi	Senior Consultant
Adj Asst Prof Khong Chit Chong	Senior Consultant
Dr Mariamme George	Senior Consultant
Adj Asst Prof Varsha Mulik	Senior Consultant
Dr Amy Forsberg Condon	Consultant
Adj Asst Prof Goh Shen Li	Consultant
Adj Asst Prof Khoo Chong Kiat	Consultant
Asst Prof Tan Thiam Chye	Consultant
Adj Instructor Suzanna Sulaiman	Assoc Consultant
Dr Natalie Chua Weilyn	Assoc Consultant
Dr Lee Jiah Min	Assoc Consultant
Dr Manisha Mathur	Assoc Consultant
Liam Toh Guat Nee	Senior Secretary

4 Faculty of OBGYN ACP

Name	Designation
e) Department of Reproductive Medicine	
Adj Asst Prof Tan Heng Hao	Head & Consultant, Department of Reproductive Medicine & Reproductive Surgery Unit
Adj Asst Prof Sadhana Nadarajah	Director, KKIVF; Head & Senior Consultant, Adolescent Gynaecological Unit
Assoc Prof Jerry Chan Kok Yen	Consultant
Adj Asst Prof Matthew Lau Sie Kuei	Consultant
Adj Asst Prof Viardot-foucault Veronique Celine	Assoc Consultant
Clinical Lecturer Steven Teo Boon Li	Assoc Consultant
Lim Chet Ling	Asst Manager
Lim Ee Lyn	Executive
Ng Xiang Wen	CRC
Charmaine Ann Khoo Su Ling	CRC
f) Department of Urogynaecology	
Adj Assoc Prof Han How Chuan	Head & Senior Consultant
Adj Asst Prof Lee Lih Charm	Senior Consultant
Judy Wong Ah Chun	Senior Secretary
Jolene Peh Sin Se	CRC

Name	Designation
II) Singapore General Hospital	
a) Department of O&G	
Adj Assoc Prof Tan Hak Koon	Head & Senior Consultant
Adj Prof Charles Ng Sen Ark	Advisor, Emeritus Consultant
Adj Prof Ho Tew Hong	Advisor
Dr Tan Lay Kok	Senior Consultant
Adj Asst Prof Yong Tze Tein	Senior Consultant
Adj Assoc Prof Devendra S/O Kanalingam	Senior Consultant
Adj Assoc Prof Tan Wei Ching	Senior Consultant
Dr Chua Hong Liang	Senior Consultant
Adj Prof Tay Sun Kuie	Senior Consultant
Dr Chew Ghee Keng	Senior Consultant
Dr Hemashree Rajesh	Consultant
Dr Tan Eng Loy	Consultant
Dr Cindy Pang Yi Ping	Assoc Consultant
Dr Jason Lim Shau Khng	Assoc Consultant
Christine Liam Lay Peng	Secretary

5) SingHealth OBGYN Residency Program

Year 2011 Intake	Year 2012 Intake
1 Dr Chua Ka-Hee	1 Dr Ee Tat Xin
2 Dr Chuah Theng Theng	2 Dr Sharon Foo Anqi
3 Dr Ho Weng Yan	3 Dr Ho Ping Ling
4 Dr Eugene Huang Youjin	4 Dr Celene Hui Yan Yan
5 Dr Jacqueline Jung Jingjin	5 Dr Kho Chye Lee
6 Dr Seet Meei Jiun	6 Dr Liana Koe Suan-Li
7 Dr Serene Thain Pei Ting	7 Dr Lim Yu Hui
8 Dr Serena Koh Meiling	8 Dr Muhammad Fairuz B Abdul Rahman
9 Dr Jill Lee Cheng Sim	
10 Dr Ryan Lee Wai Kheong	9 Dr Ada Ng Xin Hui
11 Dr Michelle Lim Hui Ping	10 Dr Qi Maili
12 Dr Tan Shu Qi	11 Dr Sau Poyi
13 Dr Janice Tung Su Zhen	12 Dr Wan Kai Jing
14 Dr Xu Yanni	13 Dr Samantha Yeo Rachel Mei-E

6) Basic Specialist Trainees (BST)

1 Dr Andy Tan Wei Keat
2 Dr Daniel Koh Seow Choon
3 Dr Felicia Chin Hui Xian
4 Dr Goh Siak Ming
5 Dr Kazila Bhutia
6 Dr Ng Kai Lyn
7 Dr Shilla Mariah Yussof
8 Dr Sim Wen Shan
9 Dr Wang Junjie

7) Advanced Specialist Trainees (AST)

1 Dr Candice Wang Peiying
2 Dr Freda Khoo Wan Yu
3 Dr Hong Sze Ching
4 Dr Jessie Phoon Wai Leng
5 Dr Jonathan Wee Yeow Sherng
6 Dr Liu Shuling
7 Dr Ong Xiao Hui
8 Dr Pamela Tan Yu Fen
9 Dr Tan Kai Lit

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Information correct as at December 2012