

OBGYN

Academic Clinical Program



KK Women's and
Children's Hospital



Singapore
General Hospital

Partners in Academic Medicine



DUKE-NUS
GRADUATE MEDICAL SCHOOL

Our Journey in **Academic Medicine**

SingHealth Duke-NUS OBGYN ACP
Progress Report 2013

SHARING THE ACADEMIC MEDICINE JOURNEY

Our pursuit of Academic Medicine through partnership with Duke-NUS Graduate Medical School (Duke-NUS GMS) has led to successful education and research collaborations in OBGYN ACP.

On the education front, we place great importance on developing our staff and recognising their dedication. The overall posting feedback scores from Yong Loo Lin School of Medicine (YLL SoM) and Duke-NUS GMS in 2013 had increased significantly from previous year. Awards were presented to doctors who excelled in their academic & teaching pursuits during inaugural OBGYN ACP Education Day. These bear testimony to OBGYN ACP's commitment towards medical education.



Prof Ivy Ng
Group CEO, SingHealth

A Pitch for Grant Award was set up in OBGYN ACP to promote clinical and translational research within OBGYN ACP especially amongst junior doctors. Altogether, 4 residents received the awards during OBGYN ACP Research Day 2013. There were a total of 25 research projects presented of which 4 outstanding oral and poster awards were given to residents and students.

During the inaugural OBGYN ACP Clinical Practice Improvement Day, 8 interesting clinical practice improvement projects of 2013 were presented. These projects (e.g. Reducing unnecessary antibiotic use in elective caesarean sections) had brought significant benefit to our patients. This underscores our firm commitment of putting patients at the heart of all we do. Patients remains our focal point as we journey together to define tomorrow's medicine.

Academic Medicine is a culture of always seeking a better tomorrow for our patients. Let us embrace this unique opportunity to shape tomorrow's medicine.



Prof Ranga Krishnan
Dean, Duke-NUS Graduate Medical School

The OBGYN ACP has championed its success by initiating a number of remarkable events in promoting Academic Medicine. The annual events – Retreat, Education Day, Research Day and Clinical Practice Improvement Day are organized in different quarters of the year to emphasize and recognize the excellence in clinical care, teaching and research in improving the lives of patients.

On top of these, the OBGYN ACP also facilitates clinical attachments and hosts events & workshops that promote knowledge exchange and sharing.

Our SGH and KKH campuses in partnership with Duke-NUS will continue to be an important training ground for local and regional undergraduate, graduate and postgraduate medical, nursing and allied health professional in obstetrics and gynecology.

We have been laying the foundation for Academic Medicine to take flight and indeed it has, with flying colours in OBGYN. And I am proud to be among peers and colleagues who make it all possible.



Adj Prof Tan Kok Hian

Group Director, Academic Medicine, SingHealth
Senior Associate Dean, Academic Medicine,
Duke-NUS Graduate Medical School
(Academic Chair till 31 December 2013)

In OBGYN ACP, we have a highly collaborative team who work through challenging times and stand united in our shared mission in Academic Medicine. Based on our surveys of Academic Medicine Culture conducted after the first and second years of inception of OBGYN ACP, the ground sentiments towards our academic endeavours has improved much, an encouraging sign that we are heading in the right direction.

I am confident that under the new leadership of Assoc Prof Bernard Chern Su Min from 2014, the journey of pursuing Academic Medicine in OBGYN ACP will continue to flourish. I am looking forward to exciting times ahead in improving our patients' lives.



Adj Assoc Prof Chern Su Min, Bernard

Academic Chair, OBGYN ACP
(Academic Vice Chair, KKH Campus till 31
December 2013)

As we continue on this journey of Academic Medicine, we are cognizant of the fact that there are challenges ahead and our efforts will not be an overnight transformation. It will require patience and commitment as we fine-tune our programs and build a vibrant academic culture for new discoveries, sharing of knowledge and care innovation.

So let us remain undaunted and united in our common purpose of advancing Medicine, and together transform health-care in Singapore.

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 (KKH) and Singapore General Hospital (SGH). 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.



SingHealth Duke-NUS OBGYN ACP



SENIOR ASSOC DEAN

Adj Prof Tan Kok Hian
Group Director, Joint Office of Academic Medicine
wef 1 January 2014
(Academic Chair and Chairman of Division of
O&G till 31 December 2013)



DIVISION OF O&G (KKH)
Chief of Obstetrics
Adj Prof Yeo Seow Heong, George

Chief of Gynecology,
Adj Prof Ho Tew Hong



DIRECTOR, RESEARCH
Adj Prof Yeo Seow Heong,
George



Department of O&G
Adj Assoc Prof
Chern Su Min,
Bernard

Department of Maternal Fetal Medicine
Adj Prof Yeo
Seow Heong, George

Department of Urogynaecology
Adj Assoc Prof
Han How Chuan

Department of Gynae Oncology
Adj Assoc Prof
Yam Kwai Lam,
Philip



Adj Asst Prof
Suzanna Sulaiman (HO)



Department of Reproductive Medicine
Adj Asst Prof
Tan Heng Hao



ACADEMIC CHAIR

Adj Assoc Prof
Chern Su Min, Bernard
Chairman, Division of O&G, KKH
wef 1 January 2014 (Academic Vice Chair,
KKH Campus till 31 December 2013)



**ACADEMIC VICE CHAIR
SGH CAMPUS**

Adj Assoc Prof Tan Hak Koon

**DIRECTOR,
CONTINUING AND
POSTGRADUATE
EDUCATION**

Adj Prof Ho Tew Hong



**DIRECTOR, MEDICAL
STUDENT EDUCATION**

Adj Assoc Prof
Tee Chee Seng, John

DEPARTMENT OF O&G (SGH)

Adj Assoc Prof
Tan Hak Koon

**SingHealth OBGYN
Residency Program**

Adj Assoc Prof
Chern Su Min, Bernard



**Duke-NUS GMS
OBGYN Clerkship**

Assoc Prof
Tan Thiam Chye

HO/MO/BST/AST

Adj Asst Prof
Goh Shen Li (MO)

Dr Chua Sze Yuen,
Irene (AST&BST)



**NUS YLL SoM
OBGYN Clerkship**

Adj Asst Prof
Khoo Chong Kiat



**LKC SoM
OBGYN Clerkship**

Adj Asst Prof
Tan Heng Hao

Abbreviations:

1. AST - Advanced Specialist Trainee
2. BST - Basic Specialist Trainee
3. GMS - Graduate Medical School
4. HO - House Officer
5. MO - Medical Officer
6. SoM - School of Medicine

TRANSLATING THE ACADEMIC MEDICINE VISION IN SGH AND KKH



Group photo taken in Forest Lodge, Singapore Zoo



Group discussion and presentation on 'How can we harmonize the teachings for the 3 medical schools'

30 March 2013 - OBGYN ACP Retreat 2013

The retreat received an overwhelming response and a total of 55 participants attended the retreat where various Key Appointment Holders shared on the progress and future plans in their areas of Research, Education & Clinical Service Improvement. There were also group discussions on how OBGYN ACP can value add to departments as well as strategic planning on harmonizing the teaching of the three medical schools. The event was very successful and enhanced our camaraderie with our OBGYN ACP fraternity.

1 to 3 March 2013 – 4th Maternal Medicine Course

The 4th Maternal Medicine Course organized by Department of O&G, SGH in conjunction with OBGYN ACP aimed to keep obstetricians, obstetric physicians, and all health care workers involved in looking after pregnant women abreast of the current developments and trends in medical disorders in pregnancy.

A total of 160 participants attended the course.

Renowned experts in Obstetrics Medicine Dr David Williams from the Institute of Women's Health, University College London and Dr Chan Wee Shian from the British Columbia Women's Hospital, Head of Department of Medicine were invited to speak on a wide array of important topics related to the course. The organizing Committee was chaired by Adj Assoc Prof Tan Hak Koon, Adj Assoc Prof Tan Lay Kok and Adj Assoc Prof Devendra Kanagalingam.

27 April 2013 – SingHealth Residency Orientation 2013

This is an annual event organized by the SingHealth Graduate Medical Education Office. More than 200 Residents and Faculty gathered at Sentosa on the morning of 27 April 2013 in high-spirits and ready for a full day of fun.

It was the beginning of many friendships forged not just among the Residents but also with the Faculty. Since teamwork is an integral part of multi-disciplinary patient care, this is an important first step in building camaraderie as the Residents embark on their journey in Medicine.



From left: Prof Kenneth Kwek, Ms Ly Phuong Hao, Dr Caroline Tan, Dr Muk Zhun Wei, Dr Yip Swee Lin, Dr Sheri Lim, Dr Wong Ker Yi, Dr Chua Ka-Hee, Dr Serene Thain, Dr Sharon Foo and Dr Jill Lee



Group photo of residents with Prof Ivy Ng



Opening speech by Adj Prof Yeo Seow Heong, George



From left: Residents' and medical students' posters evaluation by Adj Prof Tan Kok Hian, Prof Haywood Brown and Adj Assoc Prof Tan Hak Koon

12 May 2013 - Inaugural SingHealth Duke-NUS OBGYN ACP Research Day 2013

The Inaugural SingHealth OBGYN ACP Research Day was held at Raffles Town Club in conjunction with regional ISUOG meeting. It was a successful event highlighting residents' research achievements and faculty research in OBGYN ACP context. There were a total of 25 research projects presented. Altogether, 4 residents received the SingHealth Duke-NUS ACP Grant Awards.

Awardee	Grant Proposal Title
Dr Koh Seow Choon, Daniel	A randomized controlled trial comparing 800 microgram with 400 microgram intra-vaginal misoprostol for management of first-trimester miscarriage.
Dr Koe Suan-Li, Liana	To study if dermal thickness measurement can enhance osteoporosis risk assessment in post-menopausal women
Dr Seet Meei Jiun	Chlamydia infection in pregnant women complicated by preterm premature rupture of membranes and preterm labour
Dr Lee Cheng Sim, Jill	Serum LH of women after starting GnRH antagonist in IVF stimulation cycles: who are at risk of profound suppression of endogenous LH production and how is treatment outcome affected?

The Best Poster, Best Oral Presentation were also presented:

Award Category	Awardee	Study Title
Best Oral Presentation Award	Dr Koh Seow Choon, Daniel	Intravaginal misoprostol 400 mcg at 4-hour interval is an effective regimen for mid-trimester pregnancy termination
Merit Award for Oral Presentation	Dr Hui Yan Yan, Celene	Comparing postnatal pain scores of patients with normal vaginal and Caesarean deliveries
Best Poster Award (Resident)	Dr Thain Pei Ting, Serene	Are pregnant women adequately equipped for autonomy in first trimester screening?
Best Poster Award	Mr Tan Kah Hwee, Jarrod (Medical Student)	Profile of Caesarean sections in pregnancies conceived by in vitro fertilization: an analysis using the Robson 10 group classification system



17 September 2013 – Acing Accreditation Council for Graduate Medical Education International (ACGME-I) Accreditation

The purpose of the Site Visit is to review the residency program for compliance with standards of the specialty set forth in ACGME-I's programme requirements.

Since its first Site Visit on 18 October 2011, the SingHealth OBGYN Residency Program sailed smoothly through its second Site Visit on 17 September 2013. The programme successfully received ACGME-I accreditation of the programme for a cycle length of 4 years by November 2013. There was no citation reported in the letter of notification suggested that the Review Committee was of the opinion that the programme fully complied with ACGME-I accreditation standard, policy and procedure.

A photo taken with Assoc Prof Goh Siang Hiong, Prof Alex Sia, Prof Ivy Ng, Adj Asst Prof Goh Shen Li, Adj Assoc Prof Bernard Chern, Adj Prof Kenneth Kwek, Adj Assoc Prof Tan Lay Kok, Adj Assoc Prof Tay Boon Leng, Prof Chay Oh Moh and OBGYN Residents

27 July 2013 – The Annual SingHealth Residency Open House

The annual SingHealth Residency Open House drew more than 570 medical students, House Officers and Medical Officers this year as they came to explore the specialist programs for their career in Medicine. The crowd for the event, including SingHealth Residents and Faculty, converged at the Academia.

The Open House offered participants who were interested in Obstetrics and Gynecology Residency Program an invaluable opportunity to mingle with the programme core faculty and existing residents in a casual and pleasant ambience. Through the informal sharing and chit-chatting, the participants gained better insights and in-depth understanding of the training opportunities and that of the training path lying ahead of them, which enable the participants to make a well-informed decision of their life-long medical career.

Adj Assoc Prof Bernard Chern, Adj Prof Tan Kok Hian and Adj Instructor Dr Manisha Mathur with the ecstatic OBGYN Residency Team back in KKH



A group photo taken with Adj Asst Prof Devendra and OBGYN residents

12 October 2013 – SingHealth Residency Games

The SingHealth Residency Games on 12 October 2013 saw Residents and Faculty from various programmes facing off in battles of the brain, brawn and, most of all, teamwork. The event, the first of its kind organized by the SingHealth Residents' Committee, was a fun way to promote collegiality and friendship, with teams pitting their skills against one another at paintball, dodgeball, speedtag, relay race and human foosball.

At the conclusion of the Games, it was Team S Trojan from the OBGYN Residency Programme that carried the day and the trophy. OBGYN team leader attributed their victory to the immensely strong team spirit.

18 October 2013 - Inaugural SingHealth Duke-NUS Education Day 2013

The aim of the event was to serve as a platform for clinician educators to discuss various issues in medical education in OBGYN ACP. Medical education research on 'Evaluation of learning approaches amongst medical students in Obstetrics & Gynecology', as well as interesting insights from a several students' perspective on their clinical postings at KKH were shared. A total of 14 awards were presented to inspiring educator role models and top performers.

The awards presented at the SingHealth Duke-NUS OBGYN ACP Education Day were:

Award Category	Awardee
NUS certificate of commendation for inspiring role model to the medical class of 2013	Adj Prof Yeo Seow Heong, George
NUS certificate of commendation for inspiring role model to the medical class of 2013	Adj Asst Prof Lim Yong Kuei, Timothy
Best Advanced Specialist Trainee Award (KKH) (April 2012- May 2013)	Dr Liu Shuling
Best Advanced Specialist Trainee Award (SGH)	Dr Lim Liqing, Serene
Best Basic Specialist Trainee Award (KKH) (December 2012- June 2013)	Dr Koh Seow Choon, Daniel
Best Basic Specialist Trainee Award (SGH)	Dr Yang Liying
Best R2 Resident Award (2012-2013)	Dr Lee Cheng Sim, Jill
Best R1 Resident Award (2012-2013)	Dr Hui Yan Yan, Celene
R2 Resident Merit Award (2012-2013)	Dr Ho Weng Yan
R1 Resident Merit Award (2012-2013)	Dr Lim Yu Hui
Best CREOG Score Award	Dr Thain Pei Ting, Serene
Best Registrar Educator Award	Assoc in Education Dr Sonali Chonkar
Best YLL SoM Resident Educator Award	Dr Muhammad Fairuz B Abdul Rahman
Best Duke-NUS GMS Resident Educator Award	Dr Ng Xin Hui, Ada

24 to 25 October 2013 - Inaugural Society for Clinical Research and Translation of Extracellular Vesicles Singapore (SOCRATES) Meeting 2013

The SOCRATES was formed in 2013 through the collaboration among the academic organizations OBGYN ACP/KK Women's and Children's Hospital, A*Star, National University of Singapore (NUS) and Universitair Medisch Centrum Utrecht (UMC).

Soon after this, SOCRATES organized the inaugural annual SOCRATES Meeting 2013: Exosomes and Microvesicles as Diagnostics & Therapeutics 2013. It was a successful event where more than 15 distinguished speakers presented their interesting and insightful findings related to extracellular vesicles. Adj Prof Tan Kok Hian presented on the diagnostic application of extracellular vesicles in pregnancy.



From left: Adj Prof Tan Kok Hian and team with Mr Lim Chuan Poh (center), Chairman of A*Star.



From left: Assoc Prof Jerry Chan, Adj Asst Prof Shephali Tagore, Adj Instructor Dr Manisha Mathur, Adj Asst Prof Amy Forsberg Condon, Dr Celene Hui, Adj Asst Prof Matthew Lau and Dr Serene Thain in Duke University

11 to 15 November 2013 – OBGYN Residency Study Trip to Duke University

The SingHealth OBGYN Residency team visited our counterpart Obstetrics and Gynecology Residency Program at Duke University at Durham, U.S.A.

Being one of the best OBGYN Residency Programs in the U.S. with a track record of no citation in the past six ACGME accreditations, it was a privilege for the SingHealth team to meet up with the Chairman, the Program Director and also other key teaching faculty members and chief residents at Duke.

The trip was enlightening. The interaction with the Duke faculty and residents sparked the SingHealth team with innovative ideas to enhance residency education. This interaction will bring our OBGYN Residency to the next level of success and helps to nurture future generation of OBGYN professionals, empowering them to shape the future of healthcare.



From left: Dr Michelle Lim, Dr Tan Shu Qi, Dr Liana Koe and Dr Ee Tat Xin were on stage presenting their clinical practice improvement project

10 January 2014 – Inaugural SingHealth Duke-NUS OBGYN ACP Clinical Practice Improvement Day

Altogether 8 interesting clinical practice improvement projects were presented during the inaugural SingHealth Duke-NUS OBGYN ACP Clinical Practice Improvement Day. They included 'Reducing unnecessary antibiotic use in elective caesarean section' by residents, 'Induction Programme for Foreign Doctors' by faculty and 'To increase and sustain Hospital Discharge Summary

(HIDS) vetting rate for Division of O&G in KK Hospital' by our administrators. It was a fruitful event with guest speaker Dr Chow Mun Hong, Director, Quality Management, SingHealth from SingHealth, our faculty, residents and administrators sharing their insights on their experiences in quality improvement projects.



From left: Faculty presenting team – Adj Instructor Dr Manisha Mathur, Assoc in Education Dr Sonali Prashant Chonkar and Adj Asst Prof Suzanna Sulaiman; and Adj Asst Prof Shephali Tagore who presented on TrustedCare Elective Lower Segment Caesarean Section (LSCS)



Adj Assoc Prof Tan Hak Koon speaking at Clinical Practice Improvement Day



REDCap (Research Electronic Data Capture) Database System

REDCap (Research Electronic Data Capture) is a secure web application for building and managing online database and survey. It is very intuitive, easy to use application in designing and capturing data in research and other applications.

There are currently 50 faculty and residents in our OBGYN ACP are using REDCap. There are 10 projects which have been created in REDCap. The general feedback from residents who had projects in REDCap was that it was a user-friendly electronic data-capture tool which allowed tracking information and data from research studies, scheduling study events (e.g. patient visits) and to conduct of surveys.

In the long run, we aim to continue educating new residents and consultants on the use of REDCap's stream-lined process for rapidly developing projects.

NURTURING THE FUTURE OF ACADEMIC MEDICINE

PROMPT (Practical Obstetrics Multi-Professional Training) and establishment of PROMPT CORE Committee

An ACP Programme (Education Support) Grant was approved for OBGYN ACP to introduce PROMPT Training to SingHealth.

PROMPT (Practical Obstetric Multi-Professional Training) is an evidence based multi-professional training package offered by PROMPT Maternity Foundation (PMF) for obstetric emergencies. It is associated with direct improvements in perinatal outcome and has been proven to improve knowledge, clinical skills and team working.

The PROMPT CORE Committee driven by Prof Ho Tew Hong, Director of Continuing and Postgraduate Education, OBGYN ACP together with Leads of Committee Dr Tan Eng Loy, Consultant of Department of O&G, SGH and Dr Shephali Tagore, Consultant of Department of Maternal Fetal Medicine, KKH aims to implement PROMPT training across SingHealth and improve the management of obstetrics emergencies.



Dr Tan Eng Loy, Dr Shephali Tagore and Adj Prof Ho Tew Hong receiving ACP Programme Grant to introduce PROMPT training to SingHealth

Two teams of doctors, nurses and anesthetist were sent to attend PROMPT Train the Trainer course in RCOG, London on October 2013. They are committed to be teaching faculty in the inaugural OBSTETRICS (OBStetric TEam TRaining In Core Skills Course) to be launched in March 2014, Academia. The same course is expected to run on August and November 2014 in KKH. Another team of doctors and nurse will be sent to be trained as trainers in coming March 2014.

Pitch for Grant Award

The OBGYN ACP Grant Award aims to promote clinical and translational research within OBGYN ACP especially amongst junior doctors (Residents/Trainees and Registrars). The grant award will be seed grant to allow clinicians, clinician investigators and clinician scientists to conduct small-scale studies to generate pilot data. It is hoped that this will create a learning environment to promote the development of clinical and translational researchers within OBGYN ACP.

INSPIRING TALKS AND VISITS

- 16 January 2013
Dr Sunita Sharma & Dr Martin Lupton, Imperial College
Cardiac Disease in Pregnancy (Congenital & Acquired)
- 27 March 2013
Prof Paul Bergstresser, Department of Dermatology, University of Texas Southwestern Medical Center
How to develop an ACP with a busy clinical practice into one that also develops researchers and how to identify, nurture and mentor research talent
- 10 September 2013
Prof Fidel Valea, Health Manpower Development Plan (HMDP) Visiting Expert 2013 by Ministry of Health (MOH)
The Controversies Surrounding the treatment of Intermediate Risk Endometrial Cancer
- 18 September 2013
Dr Grace Couchman, Co-Founder of Carolina Conception, North Carolina
Recent Trends in Fertility Therapy

Awarding the Excellence

August 2013 - RiSE Awards

The RiSE (Residency in SingHealth Excels!) Awards honours and recognises outstanding contributions of Faculty and Residents. These Faculty and Residents have inspired us with their love of Medicine with exemplary performance in patient care and medical education.

- 1 Adj Assoc Prof Chern Su Min, Bernard
- 2 Adj Assoc Prof Yam Kwai Lam, Philip
- 3 Adj Assoc Prof Tan Lay Kok
- 4 Adj Assoc Prof Devendra Kanagalingam
- 5 Adj Instructor Dr Manisha Mathur
- 6 Adj Asst Prof Tan Eng Loy

RiSE Faculty Award

The award is for outstanding mentors who bring out the best in their Residents and the winners are nominated by the Residents via the faculty evaluations. Prof Fong Kok Yong, Group Director, SingHealth presented awards to the dedicated faculty.



RiSE Young Educator Award

The Outstanding Young Educator award recognizes exemplary Residents who teach and nurture both fellow peers and juniors.



RiSE Outstanding Resident Award

The Outstanding Resident Award recognizes residents who have done well in their clinical and academic performance. The winners are also amongst the top 10% of the cohort.

RiSE Outstanding Performance for ITE/Intermediate Exams Award

The awards honour Residents who excel in medical knowledge, are amongst the 90th percentile and set a benchmark for In-Training/Intermediate Exams nationally.



7 Dr Lee Wai Keong, Ryan

Dr Ryan Lee receiving award from Prof Lim Shi Hui, Deputy Group Director, Education for SingHealth

8 Dr Hui Yan Yan, Celene

Dr Celene Hui receiving her award from Prof Teo Eng Kiong, CMB, Changi General Hospital

9 Dr Lee Cheng Sim, Jill

Dr Jill Lee receiving her award from Adj Prof Kenneth Kwek, CEO, KKH

10 Dr Thain Pei Ting, Serene

Dr Serene Thain receiving her award from Prof Ang Chong Lye, CEO, SGH



RiSE Resident Committee Award

The Resident Committee award recognizes the contributions of Resident representatives in the development of programs and initiatives for peers as well as for their juniors.

Dr Lee Cheng Sim, Jill
Dr Muhammad Fairuz B Abdul Rahman

23 August 2013 - 23rd Benjamin Henry Sheares Memorial Lectureship Award



Adj Prof Tan Kok Hian receiving his award in 9 SICOG 2013 from Dr Tony Tan, President of OGSS

The Obstetrical & Gynecological Society of Singapore (OGSS) awarded Adj Prof Tan Kok Hian as the 23rd Speaker of the Benjamin Henry Sheares Memorial Lecture.

A tradition held in honour of Professor Benjamin Sheares (the founder president of OGSS with his distinguished career in

Obstetrics and Gynaecology and also our 2nd President of Republic of Singapore), the Benjamin Henry Sheares Memorial Lecture started since 1982, after 5 Benjamin Henry Sheares Lectures from 1977-1981, to celebrate the path that the late President H. B. Sheares has left in the discipline of Obstetrics & Gynaecology. The Memorial Lecture is to inspire successive generations of talented clinician researchers to continue in the footsteps of an exemplary leader. Prof Tan delivered on our O&G Division's research and innovation of care of a common complication in pregnancy – pre-eclampsia, that has been conducted in KKH, A* Star & NTU, in this memorial lecture entitled 'A Macro to Nano Perspective on the Management of Pre-eclampsia: From Clinical Epidemiological Risk Factors to Plasma Extracellular Vesicular Biomarkers'.

Lecture by Adj Prof Tan Kok Hian



National Day Awards 2013

The National Day Awards are for the nation to recognise merit & good service to Republic of Singapore.

Long Service Medal

Dr Mariamma George, Senior Consultant, Department of O&G, KKH

Adj Asst Prof Khong Chit Chong, Senior Consultant, Department of O&G, KKH



From left: Minister of Health, Mr Gan Kim Yong and Dr Mariamma George



From left: Minister of Health, Mr Gan Kim Yong and Adj Asst Prof Khong Chit Chong



Assoc Prof Jerry Chan receiving his award from Ms Tan Ching Yee, Permanent Secretary (Health)

SingHealth Excellence Award 2013

The SingHealth Excellence Awards is the highest honour for SingHealth employees and is given out at cluster level. Nominations are assessed based on criteria such as contributions towards SingHealth (e.g. in the development of staff, coaching and teaching, etc.) as well as contributions towards the community (e.g. launched regional or international initiatives, etc.).

Distinguished Researcher Award – Assoc Prof Chan Kok Yen, Jerry, Director, KK Research Center, KK Women's and Children's Hospital

GCEO Excellence Award 2013

The GCEO Excellence Awards recognises our professionals in their field of work. Recipients are selected based on criteria such as contributions towards elevating the quality of healthcare delivery, outstanding behaviour with professionalism, commitment and passion towards patient care, and contributions towards the community.

Outstanding Clinician Award (Special Mention) – Adj Prof Ho Tew Hong, Chief of Gynaecology, Division of O&G, KKH

Adj Assoc Prof Ho receiving his award from Mr Peter Seah Lim Huat, Chairman, SingHealth Board of Director



Adj Assoc Prof John Tee receiving his award from Mr Peter Seah Lim Huat, Chairman, SingHealth Board of Director

Outstanding Educator Award

Adj Assoc Prof Tee Chee Seng, John, Senior Consultant, Division of O&G; Director, Medical Student Education, OBGYN ACP

OUR ACADEMIC MEDICINE PURSUITS

Our relentless pursuit of Academic Medicine is driven by that same burning passion that characterises the generations of staff who have served in our institutions. Synergies are being built to further our pursuit of Academic Medicine and to improve care for our patients.

Adj Prof Tan Kok Hian
Senior Assoc Dean
Group Director,
Joint Office of Academic
Medicine wef
1 January 2014
(Academic Chair till 31
December 2013)



In OBGYN ACP, we are proud to have many dedicated clinicians and staff with distinguished and outstanding contribution to Academic Medicine. Their success is defined not only by their own achievements but by the impact they make on future generations of healthcare talent.

Adj Assoc Prof Chern Su Min, Bernard
Academic Chair,
OBGYN ACP wef 1
January 2014
(Academic Vice Chair,
KKH Campus till 31
December 2013)



Our commitment to our patients is underscored by the pursuit of Academic Medicine. We will continue build on the collective strengths of SingHealth and Duke-NUS GMS to better integrate clinical care, education and research so as to bring continuous improvements in clinical outcomes and patient cares.

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



Building and strengthening our research and the relentless search for new knowledge is a crucial part of our journey in Academic Medicine. It is the spirit of inquiry and curiosity, constantly questioning and challenging conventional wisdom and beliefs that will allow us to make progress.

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



We aim to develop effective healthcare educators for sustained medical excellence and to groom the next generation of healthcare professionals for better patient care. Many of us are inspired and have benefited from great teachers. We in turn hope pass the spark on to our younger generation.

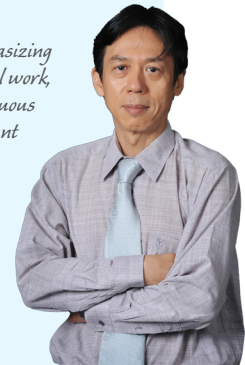
Adj Prof Ho Tew Hong
Director,
Continuing and
Postgraduate Education
OBGYN ACP



Academic Medicine provides additional incentives for faculty to become more skilled as teachers. It also recognises those who come up with ways to better educate our students through innovative curriculum.

By incorporating and emphasizing medical education in clinical work, we develop a spirit of continuous question-asking and constant innovation.

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



CLINICAL SERVICES

Clinical Services for Calendar Year 13	KKH & SGH
Total Manpower (Associate Consultant and above)	57
Outpatient Consultation (Gynaecology)	59,969
Outpatient Consultation (Obstetrics)	114,110
Inpatient (Gynaecology)	13,986
Inpatient (Obstetrics Deliveries)	15,652

Clinical Training Events

Asia Pacific Association for Gynecologic Endoscopy and Minimally Invasive Therapy (APAGE) 2013

The Minimally Invasive Surgery Unit of KKH organised a one-day pre-congress workshop in conjunction with APAGE Regional Meeting 2013 and 3rd Indonesian Gynecologic Endoscopy Society National Scientific Meeting on 25 May 2013. The pre-congress workshop was jointly organised by College of Obstetricians and Gynaecologists, Singapore (COGS), OBGYN ACP and Asia Pacific Association for Gynecologic Endoscopy and Minimally Invasive Therapy (APAGE) with the theme of "Advanced Laparoscopic Surgery".

There were lively debates on various interesting controversies in management ranging from laparoscopic surgery versus robotic surgery, vaginal hysterectomy versus laparoscopic hysterectomy as well as live surgeries involving total laparoscopic hysterectomy, robotic hysterectomy with pelvic lymph node dissection and hysteroscopy: Essure insertion and transcervical resection of myoma.



Adj Instructor Dr Lee Jiah Min, Adj Asst Prof Khoo Chong Kiat, Adj Assoc Prof Bernard Chern with organizing committee of APAGE 2013

9th Annual International Society of Ultrasound in Obstetrics & Gynaecology Outreach (ISUOG-OR)

The course was held at the Raffles Town Club, Singapore from 10 to 12 May 2013. It was organized by the ISUOG Teaching and Training Centre (TTC), Singapore in conjunction with the 4th Scientific Congress of the College of O&G, Singapore Scientific Congress and chaired by Adj Prof Yeo Seow Heong, George. The theme of the event was "A Critical Update in Obstetrics - New Frontiers in Antenatal Screening: Today's

Challenge, Tomorrow's Norm". The course presented third trimester ultrasound findings such as Placental Accreta, late structural defects, late IUGR/MSL, Prematurity, Complicated Multiples and Medico-legal issues related to obstetrics.

Annual Menopause Public Forum – The Age of Freedom

The Annual Menopause Forum 2013 was held at the KKH Auditorium on 27 October 2013. It was conducted in three different languages - English, Chinese and Malay, reaching out to an overwhelming crowd. Adj Asst Prof Ang Seng Bin, Head and Consultant, Family Medicine Service and Menopause Unit; Adj Asst Prof Suzanna Sulaiman, Consultant, Department of O&G, KKH together with a team of medical experts from KKH shared on topics, such as 'Menopause and Bone Health', 'Common Gastrointestinal Issues in Women', 'Common Ear Issues in Elderly', 'Skin Care in Menopause' and 'Keeping Your Joints Active'.



Talk in Chinese by Adj Asst Prof Ang Seng Bin



Talk in Malay by Adj Asst Prof Suzanna Sulaiman

RESEARCH

Research for Calendar Year 13	KKH & SGH
Research & Industry Grants	\$2,213,640
Journal Publications	42
Number of Clinicians Scientists & Clinicians-Scientist-Residents	3

A) Research Highlights

Pregnancy Events Collaborative (PECO) Study

There are currently no reliable tests to determine in advance if a pregnant woman will develop any adverse outcomes in their course of pregnancy. The Pregnancy Events Collaborative (PECO) Study aims to set up and Biobank of a total of 1400 pregnant women to study outcome events including pre-eclampsia, preterm birth and intra-uterine growth retardation. The serum exosomes which is known to be enriched with disease-associated proteins will be tested for their protein profiles with the aim of identifying novel biomarkers. Findings from this study will bring about a fresh perspective to the underlying pathophysiology of disease development against the current stream of approach in risk identification and treatment. It is possible that screening algorithms may be developed at early pregnancy, utilizing both clinical and biomarkers to enhance both sensitivity and specificity.

The principal investigator Adj Prof Tan Kok Hian, Senior Consultant, Division of O&G, KKH received funding from Exploit Technology (EPTL), A*STAR. The study is a collaboration with Institute of Medical Biology (IMB, A*STAR) and Nanyang Technological University (NTU).

Progesterone and progesterone-induced blocking factor as predictors of adverse pregnancy outcomes among women with threatened miscarriage

Spontaneous miscarriage, preterm delivery and pre-eclampsia are serious adverse pregnancy outcomes. Identification of the subgroup of women who are at a higher risk for these adverse pregnancy outcomes among those presenting with threatened miscarriage will allow clinicians to offer therapeutic interventions and provide anticipatory guidance.

Building on a pilot study of 119 women, this study aims to assess the risk of spontaneous miscarriage before 16 weeks gestation by serum progesterone and progesterone-induced blocking factor (PIBF) measured at presentation. In addition, the study proposes to develop a diagnostic kit based on urine PIBF, potentially a convenient, non-invasive, yet novel alternative to serum PIBF. This study will provide an insight into the pivotal role of progesterone and PIBF in maintaining a healthy and successful pregnancy, and facilitate development of a screening test for early identification of women with a threatened miscarriage with a greater risk of adverse pregnancy outcomes.

The principal investigator, Assoc Prof Tan Thiam Chye, Senior Consultant, Department of O&G, KKH received

SingHealth Foundation Research Grant to support the research span from April 2013 to March 2015.

Pre-clinical studies in intrauterine gene therapy and haemopoietic stem cell therapy in a non-human primate model

The primary purpose of the research project is to determine the long-term safety and efficacy of adeno-associated viral vector (AAV)-mediated intrauterine gene transfer (IUGT) in a preclinical non-human primate (NHP) model of in vivo gene therapy by using Haemophilia B as the disease of interest. It allows the determination of the differences in efficacy and immune response, if any, associated with IUGT effected in early versus late gestation. By interrogating cell-mediated gene transfer (ex vivo GT) in the NHP-IUGT model, the study is able to determine the safety and efficacy profiles and to compare effectiveness with in vivo GT.

A grant from Biomedical Research Council (BMRC) and National Medical Research Council (NMRC) was awarded to support the research span from December 2012 to November 2015. The principal investigator is Assoc Prof Jerry Chan Kok Yen, Consultant, Department of Reproductive Medicine, Director, KK Research Centre, KKH.

B) Selected publications

1. Devi S, Wang Y, Chew WK, Lima R, A-González N, Mattar CN, Chong SZ, Schlitzer A, Bakocevic N, Chew S, Keeble JL, Goh CC, Li JL, Evrard M, Malleret B, Larbi A, Renia L, Haniffa M, Tan SM, **Chan KY**, Balabanian K, Nagasawa T, Bachelier F, Hidalgo A, Ginhoux F, Kubes P, Ng LG. Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. *J Exp Med* 2013 Oct 21;210(11):2321-36. [JIF: 13.214]
2. Jin S, Lee YK, Lim YC, Zheng Z, Lin XM, Ng DP, Holbrook JD, Law HY, **Kwek YC**, **Yeo GSH**, Ding C. Global DNA hypermethylation in down syndrome placenta. *PLoS Genet* 2013 Jun;9(6):e1003515. [JIF: 8.517]
3. Chen Q, Khoury M, Limmon G, Choolani M, **Chan KY**, Chen J. Human fetal hepatic progenitor cells are distinct from, but closely related to, hematopoietic stem/progenitor cells. *Stem Cells* 2013 Jun;31(6):1160-9. [JIF: 7.701]
4. Ratnarajah N, Rifkin-Graboi A, Fortier MV, Chong YS, **Kwek YC**, Saw SM, Godfrey KM, Gluckman PD, Meaney MJ, Qiu A. Structural connectivity asymmetry in the neonatal brain. *Neuroimage* 2013 Jul 15;75:187-94. [JIF: 6.252]
5. **Tan KH**, Sabapathy A, Wei X. Fetal manipulation for facilitating tests of fetal wellbeing. *Cochrane Database Syst Rev* 2013 Dec 7;12:CD003396. [JIF: 5.785]
6. **Tan KH**, Smyth RM, Wei X. Fetal vibroacoustic stimulation for facilitation of tests of fetal wellbeing. *Cochrane Database Syst Rev* 2013 Dec 7;12:CD002963. [JIF: 5.785]
7. Sia AT, **Tan KH**, Sng BL, Lim Y, Chan ES, Siddiqui FJ. Use of hyperbaric versus isobaric bupivacaine for spinal anaesthesia for caesarean section. *Cochrane Database Syst Rev* 2013 May 31; 5 :CD005143 [JIF: 5.785] Doi: 10.1002/14651858. CD005143.pub2.
8. East CE, Smyth RM, leader LR, Henshall NE, Colditz PB, Lau R, **Tan KH**. Vibroacoustic stimulation for fetal assessment in labour in the presence of a nonreassuring fetal heart rate trace. *Cochrane Database Syst Rev* 2013 Jan 31;1:CD004664 [JIF: 5.785]
9. Li Y, Chen Q, Zheng D, Yin L, Chionh YH, Wong LH, **Tan SQ**, **Tan TC**, **Chan KY**, Alonso S, Dedon PC, Lim B, Chen J. Induction of functional human macrophages from bone marrow promonocytes by M-CSF in humanized mice. *J Immunol* 2013 Sep 15;191(6):3192-9. [JIF: 5.520]
10. Mattar CN, Waddington SN, Biswas A, Johana N, Ng XW, Fisk AS, Fisk NM, Tan LG, Rahim AA, Buckley SM, Tan MH, Lu J, Choolani M, **Chan KY**. Systemic delivery of scAAV9 in fetal macaques facilitates neuronal transduction of the central and peripheral nervous systems. *Gene Ther* 2013 Jan;20(1):69-83. [JIF: 4.321]
11. Liu Y, Teoh SH, Chong MS, Yeow CH, Kamm RD, Choolani M, **Chan KY**. Contrasting effects of vasculogenic induction upon biaxial bioreactor stimulation of mesenchymal stem cells and endothelial progenitor cells cocultures in three-dimensional scaffolds under in vitro and in vivo paradigms for vascularized bone tissue engineering. *Tissue Eng Part A* 2013 Apr;19(7-8):893-904. [JIF: 4.065]
12. Lai RC, Yeo RW, **Tan KH**, Lim SK. Mesenchymal stem cell exosome ameliorates reperfusion injury through proteomic complementation. *Regen Med* 2013 Mar;8(2):197-209. [JIF: 3.873]
13. Yu T, Chua CK, Tay CY, Wen F, Yu H, **Chan KY**, Chong MS, Leong DT, Tan LP. A generic micropatterning platform to direct human mesenchymal stem cells from different origins towards myogenic differentiation. *Macromol Biosci* 2013 Jun;13(6):799-807. [JIF: 3.742]
14. Chay WY, Chew SH, Ong WS, Busmanis I, Li X, Thung S, Ngo L, **Lim SL**, **Lim YK**, Chia YN, **Koh PK**, **Pang YP**, Soh LT, Wang J, **Ho TH**, **Tay SK**, Lim-Tan SK, Lim KH, Chia JW, Goh LK. HER2 amplification and clinicopathological characteristics in a large Asian cohort of rare mucinous ovarian cancer. *PLoS One* 2013 Apr 19;8(4):e61565. [JIF: 3.730]
15. Salomon LJ, Alfrevic Z, Bilardo CM, Chalouhi GE, Ghi T, Kagan KO, Lau TK, Papageorgiou AT, Raine-Fenning NJ, Stirnemann J, Suresh S, Tabor A, Timor-Tritsch IE, Toi A, **Yeo GSH**. ISUOG practice guidelines: performance of first-trimester fetal ultrasound scan. *Ultrasound Obstet Gynecol* 2013 Jan;41(1):102-13. [JIF: 3.557]
16. **Chan KY**, Lam PY. Human mesenchymal stem cells and their paracrine factors for the treatment of brain tumors. *Cancer Gene Ther* 2013 Oct;20(10):539-43. [JIF: 2.945]
17. Chen LW, Low YL, Fok D, Han WM, Chong YS, Gluckman P, Godfrey K, **Kwek YC**, Saw SM, Soh SE, **Tan KH**, Chong MF, van Dam RM. Dietary changes during pregnancy and the postpartum period in Singapore Chinese, Malay and Indian women: the GUSTO birth cohort study. *Public Health Nutr* 2013 Jun 28;16(6):1160-9. [JIF: 2.250]
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19. **Wang CP**, **Mathur M**. Severe distortion of the uterus associated with a B-Lynch suture. *Int J Gynaecol Obstet* 2013 Jul;122(1):82-3. [JIF: 1.836]
20. **Wang CP**, **Tan WC**, **Kanagalingam D**, **Tan HK**. Why we do caesars: a comparison of the trends in caesarean section delivery over a decade. *Ann Acad Med Singapore* 2013 Aug;42(8):408-12. [JIF: 1.362]
21. Wu LC, Malhotra R, Allen JC Jr, Lie D, **Tan TC**, Østbye T. Risk factors and midwife-reported reasons for episiotomy in women undergoing normal vaginal delivery. *Arch Gynecol Obstet* 2013 Dec;288(6):1249-56. [JIF: 1.330]
22. Wu LC, Lie D, Malhotra R, Allen JC Jr, Tay JS, **Tan TC**, Østbye T. What factors influence midwives' decision to perform or avoid episiotomies? A focus group study. *Midwifery* 2013 Aug;29(8):943-9. [JIF: 1.116]
23. Dayuta JC1, Ong LT, Pang NL, Chia SN, Tan HK, Gomez JM, **Tan KH**. Process reengineering of preoperative verification, site marking and time-out for patient safety. *World Hosp Health Ser*, 2013;49(2):4-9

EDUCATION

Education for Calendar 13	KKH & SGH
Number of Clinicians holding Faculty Appointment or Academic Title	45
Number of Students of YLL SoM	210
Number of Students of Duke-NUS GMS	55
Number of OBGYN Residents	34
Number of Basic Specialist Trainees (BST)	10
Number of Advanced Specialist Trainees (AST)	9



Assoc in Education Dr Sonali Chonkar and coordinator Mabel with Duke-NUS students

Education Initiatives 2013

Adj Assoc Prof John Tee, Director of Undergraduate Medical Education, worked out a common syllabus for obstetrics and gynaecology for the three medical schools to harmonise the teachings as well as to serve as a guideline for lecture and tutorial topics for doctors. Adj Prof Tan Kok Hian and Assoc in Education Dr Sonali Chonkar spearheaded a medical education research project entitled "Learning Approaches Amongst Medical Students on Obstetrics & Gynaecology Clinical Attachment at KK Women's and Children's Hospital, Singapore."

Yong Loo Lin School of Medicine (YLL SoM)

The overall posting feedback score for KKH in AY 2012/2013 increased from 4/5 to 4.2/5. This was due to the concerted effort by our faculty and residents tutors. Foreseeing an increase in student numbers and workload, Adj Instructor Dr Manisha Mathur was appointed as the KKH Deputy Coordinator to assist Adj Asst Prof Khoo Chong Kiat in coordination matters for YLL SoM. Adj Instructor Dr Manisha and Resident tutors Dr Seet Meei Jiun and Dr Lily Kho diligently devised a log book and operational procedure notes/skills checklist to guide

the students to aid in their future housemanship postings. The students have rated our in-house lectures very favourably.

Duke-NUS School of Medicine (Duke-NUS GMS)

The resident teaching initiative rolled out for Class 2015 had yielded good results. All resident doctors had received more than a score of 4 from a scale of 1 to 5 by the students. Starting Class 2016, there will be 6 rotations with not more than 10 students per rotation. The school has decided that a smaller class size will help the students to get a better learning experience and help to relieve some faculty manpower issues when LKC comes into play. Lectures will be further reduced to allow more time for clinical experience for the students. Students are also encouraged to do a reflection write up and this would be shared during the end of posting feedback session.

Lee Kong Chian School of Medicine (LKC SoM)

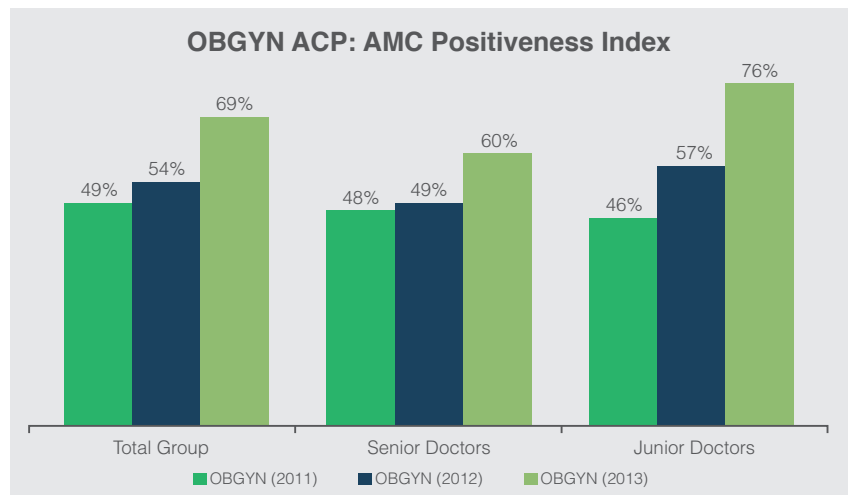
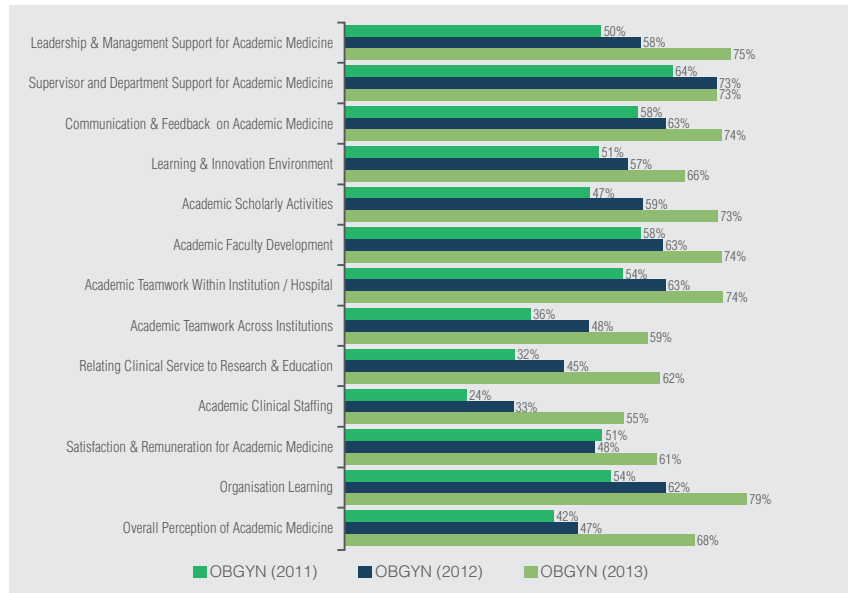
In November 2013, O&G and Paediatric doctors from KK Women's and Children's Hospital attended the education away day at the Mandalay campus. The first session focused on LKC Medicine's pioneering educational approaches. Dr Preman Rajalingam, Head of Educational Development and Team Based Learning (TBL) Facilitation, conducted a workshop on principles of writing good team assignments and led a brainstorming session on developing TBL application exercises for the Reproductive Medicine teaching block. The first intake of 54 students will commence their studies in AY 2013/2014. This batch will commence their O&G Clinical Posting in AY 2016/2017 from September 2016 to July 2017.

ACADEMIC MEDICINE CULTURE[®] SURVEY

The third Academic Medicine Culture[®] Survey 2013 was conducted on December 2013 in OBGYN ACP. It is useful for assessing areas of improvements in promoting Academic Medicine culture. Like previous 2011 and 2012, the same questionnaire was used (13 dimensions, 4 questions each dimension) based on a 5-point Likert Scale.

The results showed significant improvements of academic medicine culture in all 13 dimensions surveyed from previous year 2012. The average improvement in positiveness in each dimension was about 12%. It revealed significant improvements in Academic Clinical Staffing (33% to 55%), Overall Perceptions of Academic Medicine (47% to 68%), and Relating Clinical Service to Research & Education (45% to 62%). Academic Clinical Staffing was the lowest-scoring dimension in the 2012 survey. The results identified very encouraging improvements of Academic Medicine Culture in the OBGYN ACP.

The survey showed a positive correlation between various initiatives brought by OBGYN ACP since its formation with the overall increase in positiveness in Academic Medicine culture. In summary, the survey observation is in line with the OBGYN ACP's effort to continue to promote education and research.



1. SingHealth Duke-NUS OBGYN ACP's Team

Name	Designation
Adj Prof Tan Kok Hian	Academic Chair (till 31 December 2013)
Adj Assoc Prof Chern Su Min, Bernard	Academic Chair (wef 1 January 2014)
Adj Assoc Prof Tan Hak Koon	Deputy Chair (wef 1 January 2014)
Adj Prof Yeo Seow Heong, George	Director, Research
Adj Prof Ho Tew Hong	Director, Professional and Post Graduate Education
Adj Assoc Prof Tee Chee Seng, John	Director, Medical Student Education
Au Kit Har, Marianna	Assistant Director, ACP Finance
Lin Enyu, Evelyn	Assistant Manager, ACP Finance
Neo Siew Shih, Cherise	Senior Account Asst, ACP Finance
Jaxii Yong	Senior Manager
Ng Mor Jack	Assistant Manager
Chin Wai Tieng	Executive
Lim Li Shan, Melissa	Executive
Wei Xing	Research Coordinator
Narinder Kaur	Research Coordinator
Lin Xue Qin, Michelle	Research Coordinator
Yong Fong Ling, Yvonne	Clinical Research Coordinator

2. Education

I) SingHealth Obstetrics and Gynecology Residency Program

Name	Designation
Adj Assoc Prof Chern Su Min, Bernard	Program Director
Adj Asst Prof Goh Shen Li	Associate Program Director (KKH Campus)
Adj Assoc Prof Tan Lay Kok	Associate Program Director (SGH Campus)
Adj Assoc Prof Yam Kwai Lam, Philip	Program Core Faculty (KKH Campus)
Adj Asst Prof Amy Forsberg Condon	
Adj Asst Prof Kew Chia Yng, Cynthia	
Adj Asst Prof Khoo Chong Kiat	

Adj Asst Prof Shephali Tagore	Program Core Faculty (KKH Campus)
Adj Asst Prof Lau Sie Kuei, Matthew	
Adj Instructor Dr Manisha Mathur	
Adj Assoc Prof Devendra Kanagalingam	Program Core Faculty (SGH Campus)
Adj Asst Prof Tan Wei Ching	
Assoc Prof Chan Kok Yen, Jerry	Physician Faculty
Ly Phuong Hao	Senior Program Executive
Tang Pui Har, Yvonne	Admin Asst

II) Duke-NUS Graduate Medical School

Name	Designation
Adj Prof Tan Kok Hian	OBGYN Program Leader (till 31 December 2013)
Adj Assoc Prof Chern Su Min, Bernard	OBGYN Program Leader (wef 1 January 2014)
Assoc Prof Tan Thiam Chye	OBGYN Program Coordinator
Dr Sonali Prashant Chonkar	OBGYN Deputy Program Coordinator
Chong Wei Shih, Rachel	Clinical & Faculty Affairs Senior Executive
Yap Mei Hsien, Mabel	Clinical & Faculty Affairs Admin Asst
Nur Edaliza Osman	

III) Yong Loo Lin School of Medicine

KKH

Name	Designation
Adj Asst Prof Khoo Chong Kiat	OBGYN Clerkship Coordinator
Adj Instructor Dr Manisha Mathur	OBGYN Clerkship Deputy Coordinator
Lim Li Shan, Melissa	Executive

SGH

Name	Designation
Adj Assoc Prof Devendra Kanagalingam	OBGYN Clerkship Coordinator
Adj Asst Prof Yong Tze Tein	OBGYN Clerkship Deputy Coordinator
Geetha D/O Arumuga Vandayar	Administrative Assistant

VI) Lee Kong Chian School of Medicine

Name	Designation
Adj Asst Prof Tan Heng Hao	OBGYN Clerkship Lead
Adj Asst Prof Lau Sie Kuei, Matthew	OBGYN Clerkship Deputy Lead
Lim Li Shan, Melissa	Executive

3. SingHealth & Duke-NUS**I) Joint Office of Academic Medicine (JOAM)**

Name	Designation
Adj Prof Tan Kok Hian	Group Director, Academic Medicine, SingHealth Senior Associate Dean, Academic Medicine, Duke-NUS
Mr Foo Suan Jong	Deputy Director, JOAM
Ms Katheryn Maung	Deputy Director, Group Communication & JOAM

II) Academic Medicine Education Institute (AM-EI)

Name	Designation
Prof Robert Kamei	Vice Dean, Education, Duke-NUS
Assoc Prof Koo Wen Hsin	Group Director, Education, SingHealth

III) Academic Medicine Research Institute (AM RI)

Name	Designation
Prof Wong Tien Yin	Head & Vice Dean, Clinical Sciences, Duke-NUS GMS
Prof Ecosse Lamoureux	Deputy Executive Director

4. Faculty & Staff of OBGYN ACP**I) KK Women's and Children's Hospital****a) Division of O&G**

Name	Designation
Adj Prof Tan Kok Hian	Chairman (till 31 December 2013) Director, Clinical Quality; Head & Senior Consultant, Perinatal Audit & Epidemiology
Adj Assoc Prof Chern Su Min, Bernard	Chairman (wef 1 January 2014) & Senior Consultant
Adj Assoc Prof Tee Chee Seng, John	Senior Consultant
Adj Prof Ho Tew Hong	Chief of Gynaecology & Senior Consultant
Adj Prof Yeo Seow Heong, George	Chief of Obstetrics & Senior Consultant
Adj Asst Prof Tan Kim Teng	Senior Consultant
Lim Boon Heng, Bryan	Manager
Ong Phei Hong	Executive
Toh Guat Nee, Liam	Senior Secretary
Low Siok Eng, Fiona	Admin Asst
Lim Teck Wee	Admin Asst

b) Department of Gynaecological Oncology

Name	Designation
Adj Assoc Prof Yam Kwai Lam, Phillip	Head & Senior Consultant
Adj Asst Prof Lim Yong Kuei, Timothy	Head, Pre-Invasive Disease & Screening Unit & Senior Consultant
Adj Asst Prof Lim Sheow Lei	Consultant
Adj Asst Prof Chin Pui See	Consultant
Adj Instructor Koh Poh Kim, Elisa	Consultant
Dr Wong Wai Loong	Assoc Consultant
Adj Instructor Jeera Aggarwal	Assoc Consultant
Dr Namuduri Rama Padmavathi	Senior Staff Registrar
Ms Annie Choo Joo Chin	Senior Secretary

C) Department of Maternal Fetal Medicine

Name	Designation
Adj Prof Yeo Seow Heong, George	Chief of Obstetrics; Head & Senior Consultant, Obstetrics Ultrasound & Prenatal Diagnostic Unit
Adj Prof Kwek Yung Chiang, Kenneth	Chief Executive Officer; Senior Consultant
Dr Lai Fon Min	Head of Antenatal Risk Assessment Unit; Visiting Consultant
Adj Asst Prof Shephali Tagore	Director, International Medical Program; Head & Consultant, Peripartum Unit
Adj Asst Prof Thia Wee Hong, Edwin	Consultant
Dr Tan Kai Lit	Assoc Consultant
Low Poh Hoon, Esther	Manager
Liew Sin Yi, Cindy	Secretary
Moe Thiha	Clinical Research Coordinator
Norain Bte Kassim	Clinical Research Coordinator
Nurul Syaza	Clinical Research Coordinator
Nyo Mie Win	Clinical Research Coordinator
Halimah Binte Ibrahim	Clinical Research Coordinator
Poon Yan Yi	Clinical Research Coordinator
Chan Hong Heng	Medical Technologist
Vithya Tarmalingam	Admin Asst

D) Department of O&G

Name	Designation
Adj Assoc Prof Bernard Chern Su Min	Head & Senior Consultant
Adj Asst Prof Goh Shen Li	Deputy Head & Senior Consultant
Adj Asst Prof June Tan Vic Khi	Senior Consultant
Adj Asst Prof Khong Chit Chong	Senior Consultant
Adj Asst Prof Mariamme George	Senior Consultant
Adj Asst Prof Varsha Mulik	Senior Consultant
Assoc Prof Tan Thiam Chye	Senior Consultant
Adj Asst Prof Kew Chia Yng, Cynthia	Consultant
Adj Asst Prof Amy Forsberg Condon	Consultant
Adj Asst Prof Khoo Chong Kiat	Consultant
Adj Asst Prof Suzanna Sulaiman	Consultant
Adj Instructor Dr Manisha Mathur	Consultant
Adj Instructor Dr Lee Jiah Min	Assoc Consultant
Adj Instructor Dr Tan Toh Lick	Assoc Consultant
Dr Wee Wei-wei Stekly	Assoc Consultant
Dr Hong Sze Ching	Assoc Consultant
Dr Kathirvel Rajeswari	Assoc Consultant
Assoc in Education	Senior Staff Registrar
Dr Sonali Prashant Chonkar	
Dr Pandian Radha	Senior Staff Registrar
Dr Shahul Hameed Mohamed Siraj	Senior Staff Registrar
Dr Anju Bhatia	Staff Registrar
Dr Karuna Mary Lionel	Staff Registrar
Dr Alice Kurien	Staff Registrar
Dr Pramanick Angsumita	Staff Registrar
Dr Priya Sharmilee Chandrakanthan	Staff Registrar
Dr Tan Ilka	Staff Registrar
Dr Padma Krishnamoorthy	Staff Registrar
Dr Shivamalar Vijayagiri	Staff Registrar
Dr Smita Lakhotia	Staff Registrar
Ang Lay Teng, Jesslyn	Clinical Coordinator
Divina Naig	Admin Asst
Xiong Xi, Sheila	Admin Asst
Lim Hwee Theng, Irene	Admin Asst

e) Department of Reproductive Medicine

Name	Designation
Adj Asst Prof Tan Heng Hao	Head & Senior Consultant
Adj Asst Prof Sadhana Nadarajah	Director, IVF; Senior Consultant
Assoc Prof Jerry Chan Kok Yen	Consultant
Adj Asst Prof Matthew Lau Sie Kuei	Consultant
Adj Asst Prof Viardot-foucault Veronique Celine	Consultant
Adj Instructor Dr Teo Boon Li, Steven	Consultant
Dr Phoon Wai Leng, Jessie	Assoc Consultant
Dr Tan Tse Yeun	Staff Registrar
Lim Chet Ling	Asst Manager
Lim Ee Lyn	Executive
Ng Xiang Wen	Clinical Research Coordinator
Khoo Su Ling, Charmaine Ann	Clinical Research Coordinator

f) Department of Urogynaecology

Name	Designation
Adj Assoc Prof Han How Chuan	Head & Senior Consultant
Wong Ah Chun, Judy	Senior Secretary
Peh Sin Ee, Jolene	Clinical Research Coordinator

II) Singapore General Hospital**a) Department of O&G**

Name	Designation
Adj Assoc Prof Tan Hak Koon	Head
Adj Prof Ng Sen Ark, Charles	Emeritus Consultant
Adj Prof Ho Tew Hong	Advisor
Adj Asst Prof Chew Ghee Kheng	Senior Consultant
Adj Asst Prof Chua Hong Liang	Senior Consultant
Adj Assoc Prof Devendra Kanagalingam	Senior Consultant
Adj Assoc Prof Tan Lay Kok	Senior Consultant
Adj Asst Prof Tan Wei Ching	Senior Consultant
Adj Prof Tay Sun Kuie	Senior Consultant
Adj Asst Prof Yong Tze Tein	Senior Consultant
Adj Asst Prof Yu Su Ling	Senior Consultant
Dr Chew Ghee Keng	Senior Consultant
Dr Peter Barton-Smith	Senior Consultant
Adj Asst Prof Hemashree Rajesh	Consultant
Adj Asst Prof Tan Eng Loy	Consultant
Adj Asst Prof Pang Yi Ping, Cindy	Consultant
Dr Lim Shau Khng, Jason	Assoc Consultant
Dr Ravichandran Nadarajah	Assoc Consultant
Dr Renuka Devi	Service Registrar
Dr Helen Barton-Smith	Service Registrar
Liam Lay Peng, Christine	Secretary

Abbreviation:

1) Adj - Adjunct 2) Assoc - Associate 3) Asst - Assistant 4) Prof - Professor

5. Basic Specialist Trainees

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

6. Advanced Specialist Trainees

S/N	Name
1	Dr Geetha Visvalingam
2	Dr Khoo Wan Yu, Freda
3	Dr Lim Liqing, Serene
4	Dr Liu Shuling
5	Dr Ong Xiao Hui
6	Dr Tan Yu Fen, Pamela
7	Dr Wang Peiyong, Candice
8	Dr Wee Yeow Sherng, Jonathan
9	Dr Yang Liying

7. SingHealth OBGYN Residency Program

I) Year 2011 Intake

S/N	Name
1	Dr Chua Ka-Hee
2	Dr Chuah Theng Theng
3	Dr Ho Weng Yan
4	Dr Huang Youjin, Eugene
5	Dr Jung Jingjin, Jacqueline

6	Dr Koh Meiling, Serena
7	Dr Lee Cheng Sim, Jill
8	Dr Lee Wai Kheong, Ryan
9	Dr Lim Hui Ping, Michelle
10	Dr Seet Meei Jiun
11	Dr Tan Shu Qi
12	Dr Thain Pei Ting, Serene
13	Dr Tung Su Zhen, Janice

II) Year 2012 Intake

S/N	Name
1	Dr Ee Tat Xin
2	Dr Foo Anqi, Sharon
3	Dr Ho Ping Ling
4	Dr Hui Yan Yan, Celene
5	Dr Kho Chye Lee, Lily
6	Dr Koe Suan-Li, Liana
7	Dr Lim Yu Hui
8	Dr Muhammad Fairuz B Abdul Rahman
9	Dr Ng Xin Hui, Ada
10	Dr Qi Maili
11	Dr Sau Poyi
12	Dr Wan Kai Jing
13	Dr Yeo Rachel Mei-E, Samantha

III) Year 2013 Intake

S/N	Name
1	Dr Ang Xiao Hong, Joella
2	Dr Lim Ee-Lin, Sheri
3	Dr Ho Xin Yi
4	Dr Li Xin Yi
5	Dr Mok Zhun Wei
6	Dr Ng Zheng Yuan
7	Dr Tan Chiew Ping, Caroline
8	Dr Tan Wan Chin, Julia
9	Dr Wong Ker Yi
10	Dr Yip Swee Lin

OUR PIONEER MEDICAL RESEARCH & ADVANCES

- 1 Pioneered in-vitro fertilisation (IVF) research in Asia, producing the region's first IVF baby and first Gamete Intra-Fallopian Transfer (GIFT) baby.
- 2 Performed Singapore's first IVF treatment and live birth for a patient with ovarian cancer
- 3 Invented a new procedure to create an artificial vagina for women born without a vagina (Sheares Operation).
- 4 Conducted Asia's only human papilloma virus (HPV) vaccine trial FUTURE II Study – a worldwide trial on a vaccine that is now widely used to protect women against cervical cancer.
- 5 Partnered the global MAGPIE trial, establishing Magnesium Sulphate as the gold standard of care for treatment of hypertension in pregnancy (pre-eclampsia).

HOW YOUR GIFT CAN CHANGE MEDICAL SCIENCE

When you give to the OBGYN Academic Clinical Program, your gift helps to develop better methods to predict, prevent and treat disease, and prepare the next generation to lead in research that improves medical care.

Professor Tan Kok Hian and his team discovered potential new biological markers that can identify women at risk of pre-eclampsia (high blood pressure) during pregnancy. This helps doctors to provide early intervention for the safety of the mother and baby.

MAKING A GIFT

Contribution form

My gift is in support of the OBGYN Academic Clinical Program (ACP) for Research & Education Programmes.

Name of Donor: _____

Address: _____

Date of birth: _____ Contact number: _____

Email: _____

I am

- An individual donor [NRIC/FIN number: _____]
(required for Singapore residents, for auto-inclusion of donations in IRAS assessment)
- A corporate donor [UEN: _____]
(required for auto-inclusion of tax deduction in your corporate tax return)

My gift

- A **monthly** gift of S\$ _____ for _____ months
- A **one-time** gift of S\$ _____

Payment method

- Cheque enclosed [cheque no. _____]
(please make the cheque payable to '**NUS**'; and pen '**OBGYN ACP**' on the back of the cheque along with your contact details)
- Credit card type: Visa MasterCard American Express
- Card number: _____
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c/o Corporate Communications
KK Women's and Children's Hospital
100 Bukit Timah Road
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Research helps us change the lives of women and give them and their babies a healthy future. You can help to:

- Translate medical breakthroughs into cures
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Obstetrics & Gynaecology (or OBGYN, O&G) relates to the care of women in pregnancy and delivery (obstetrics) and the care of women's diseases (gynaecology).



O&G administrators

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Faculty in PROMPT training, Train the Trainer in London



Labour ward staff at regular O&G cohesion lunch



With visitors Dr Martin Lupton, Dr Sunita Sharma & Dr Naomi Low-Ber, Imperial College

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Information correct as at January 2014