ANNEX A

CITATIONS

NATIONAL OUTSTANDING CLINICIAN SCIENTIST AWARD 2012

PROFESSOR PIERCE CHOW KAH HOE

Professor and Course Director, Duke–NUS Graduate Medical School
Senior Consultant, Department of General Surgery, Singapore General Hospital

“For his outstanding contributions and achievements in the area of hepatocellular carcinoma to improve patient outcomes and further the understanding of the condition”

Professor Chow is currently a Senior Consultant at the Department of General Surgery at Singapore General Hospital (SGH) and a Visiting Senior Consultant at the National Cancer Centre Singapore (NCCS). He is also the holder of a Senior Clinician Scientist Award from the National Medical Research Council (NMRC) and concurrently a Professor and Course Director at the Duke–NUS Graduate Medical School.

Juggling numerous roles and doing it well is not an easy feat. Yet Professor Pierce Chow manages it well and excels in his role as a doctor, teacher and clinician scientist. He works tirelessly to care for his patients, teaches and inspires the next generation of doctors, and lectures widely to foster collaboration with researchers in other countries in pursuit of better patient outcomes.

To develop new and better therapies for patients with hepatocellular carcinoma (HCC) – the third most common cancer in Asia – Professor Chow rallied clinicians treating HCC in major medical centres in the Asia-Pacific region and co–founded the Asia-Pacific Hepatocellular Carcinoma (AHCC) trials group in 1997. The AHCC trials group is the first such collaborative oncology trials group in the region. Besides securing peer–reviewed research grant funding, it has successfully drawn industrial participation and funding for its investigator–initiated trials. Professor Chow has been the protocol chair for five multi–center trials, which involved patients from 30 centres in 16 countries. The achievements of the group have propelled Singapore, and Professor Chow, as one of the key opinion leaders in HCC internationally.

As Director of the former Department of Experimental Surgery at SGH (now renamed the SingHealth Experimental Medicine Centre) from 2001 to 2007, Professor Chow expanded and upgraded the facilities and it became the first research facility in South East Asia outside the US Military to receive accreditation with the Association for Assessment and Accreditation of Laboratory Animal Care International in 2006. In collaboration with industry partners, Professor Chow led a multi–

Source: Ministry of Health Press Room, 29 August 2012
disciplinary team from SingHealth that conceptualised and successfully carried out the translational research and first-in-man studies that resulted in the development of a novel radiotherapy device for HCC in 2005.

Professor Chow is one of two surgeons on the 26 member multi-disciplinary Workgroup of the Asia-Pacific Association for the Study of the Liver that developed the clinical guidelines for the management of HCC in the Asia Pacific and is also on the authorship of the Asian Expert Consensus Guidelines.

Professor Chow’s work is widely recognised and he has more than 160 publications indexed on MEDLINE, not including books and book chapters. He currently holds grants amounting to more than S$10 million and several intellectual property patents. His dedication and efforts have won him numerous awards over the years, beginning with the Young Surgeon’s Award of the Academy of Medicine in 1995, and including the Clinician Scientist Award (Senior Investigator category) from the NMRC and the Outstanding Educator Award from Duke–NUS in 2010.

For his outstanding contributions and achievements in clinical and translational research in hepatocellular carcinoma to improve the care and management of patients in Singapore and the Asia Pacific region, Professor Pierce Chow is awarded the 2012 National Outstanding Clinician Scientist Award.

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NATIONAL OUTSTANDING CLINICIAN MENTOR AWARD 2012

**PROFESSOR GEORGE YEO SEOW HEONG**

Adjunct Professor, Duke–NUS Graduate Medical School

Head & Senior Consultant, Dept of Maternal Fetal Medicine, KKH

“For his distinguished and outstanding contributions as a mentor, teacher, researcher and clinician in the development of Obstetrics & Gynaecology (Maternal Fetal Medicine) in Singapore”

Professor George Yeo holds several appointments at KK Women’s and Children’s Hospital (KKH). He is the Chief of Obstetrics; Head and Senior Consultant of the Maternal Fetal Medicine Department; Director of the Antenatal Diagnostic Centre; and Director of Research, Academic Clinical Programme for Obstetrics & Gynaecology, Singhealth–Duke–NUS Academic Medicine Partnership.

Professor Yeo was the first Head of the Department of Maternal Fetal Medicine in KKH from 1993 to 2006 and was recently reappointed in January 2012. He is also the immediate past Director of the National Birth Defects Registry under the Ministry of Health (MOH) and Director, International Medical Programmes (O&G), KKH.
Professor Yeo was instrumental in introducing multi–disciplinary clinics[2] for the management of high–risk and complicated pregnancies. This also enabled many research and collaboration projects to take root.

A strong advocate of translational research, he was an early awardee of MOH National Medical Research Council (NMRC) grants. Professor Yeo has 90 peer reviewed scientific publications. He was the Principal Investigator (PI) of seven funded projects and the chief collaborator of a National Institute of Health project. He is currently the PI of an NMRC Bench and Bedside grant and a collaborator for three other NMRC project grants.

A dedicated and inspiring mentor and educator

Through his mentorship, commitment, passion and dedication to academic medicine, many clinicians and young doctors have been touched and inspired to pursue academic medicine. For the past 20 years, he has mentored many talented individuals who have gone on to make significant contributions in the fields of Obstetrics, Gynaecology, and Fetal Medicine. These are all exceptional people who are highly committed to medical services, education and research. Under his guidance, his mentees have also spearheaded the development of evidence–based management of Gestational Diabetes Mellitus, Pre–eclampsia and Preterm Labour through the development of clinical protocols and guidelines.

To encourage creative and cost–effective learning twenty years ago, Professor Yeo created customised ultrasound software and perinatal databases for service and research, way before any software company did so for O&G departments in Singapore. This helped to facilitate the work of O&G staff.

In addition, Professor Yeo continues to lead the way in fetal surgery and invasive procedures. As a mentor, he has personally trained dozens of specialists in the safe conduct of prenatal diagnostic
procedures. Just last year, he created a realistic simulator of an abdominal–pelvic model for the training of prenatal diagnosis procedures like Amniocentesis, CVS and Laser Surgery to treat Monochorionic Twin–to–Twin–Transfusion. The innovative use of a simulator helps trainees to enhance their skills in a close-to–real–life environment, thus equipping them for the tough challenges and demands of actual procedures.

Professor Yeo currently mentors and supervises many O&G Residents and Clinician Scientist Residents, and continues to organise and conduct educational programmes both nationally and internationally. As organising chairman, he has led the organisation of about 77 national, regional and international courses and scientific meetings. In 2004, he spearheaded the organisation of the inaugural International Scientific Meeting of the International Society of Ultrasound in O&G (ISUOG), in conjunction with the O&G Society of Singapore and the Chapter of O&G, Academy of Medicine, Singapore. He established the regional ISUOG Teaching and Training Centre Singapore at KKH since 2006 which further O&G Ultrasound Education and Training in Singapore and the region. Professor Yeo has been invited to numerous lectures.

In recognition of Professor Yeo’s commitment and dedication towards education, ISUOG awarded him the Stuart Campbell Award for Education in September 2010. ISUOG is the foremost society for obstetrics ultrasound in the world and they only grant this award to individuals who have contributed consistently to the advancement of ultrasound through education. Professor Yeo was the third recipient of this award since its inception in 2002.

Through Professor Yeo, the International Fetal Medicine Foundation (FMF) identified and endorsed Singapore as one of its training centres in Asia Pacific, for first trimester scans for risk assessment in 2006.

For his distinguished and outstanding contributions as a mentor, teacher, researcher and clinician in the development of Obstetrics & Gynaecology (Maternal Fetal Medicine) in Singapore, Professor Yeo is being awarded the 2012 National Outstanding Clinician Mentor Award.