

# NUS-Priority Research In Medical Education

## Simulation in Gynaecological Laparoscopy Using Life-like Models: A Potential Pedagogical Model on Minimally Invasive Surgery for Medical Students



Self-perceived inadequacy on surgical performance is a concern when medical students are deciding their choice of residency. Utilization of simulation programs to increase exposure have been proposed, although few are tailored for medical students, of which even lesser have considered the use of laparoscopy. We conducted an international surgical simulation for gynaecological surgeons, and invited medical students who indicated interest. Drawing from our insights and literature review, we aim to develop a potential pedagogical model on minimally invasive surgery for medical students to stimulate interest and build confidence in surgical performance, and address practical needs of a curriculum including life-like and cost-effective learning experience.

### Miss Alvona LOH

Yong Loo Lin School of Medicine, National University of Singapore

Miss Alvona Loh Zi Hui is a fourth year medical student at Yong Loo Lin School of Medicine, National University of Singapore. Her current research interests include women's health, maternal health, global health and medical education. She has also published newspaper articles in Lianhe Zaobao, a local Chinese newspaper, where she has been a student correspondent from 2007.

### Dr NG Ying Woo

Department of Obstetrics and Gynaecology, National University Hospital

Dr Ng Ying Woo is an assistant professor from Department of Obstetrics and Gynaecology, Yong Loo Lin School of Medicine, National University of Singapore. He is a consultant and gynaecological surgeon at the Division of Benign Gynaecology at National University Hospital (NUH) and has special interest in minimally invasive surgery. He is also a clinical tutor of NUS Medicine.

## Entrustable Professional Activities- Bridging the Gap Between Theory and Clinical Practice



After having established a series of entrustable professional activities (EPAs) with the aim of organising the curriculum, we went about developing a program to achieve the EPAs. Teaching is done in a step-wise manner, from understanding the theory to actual practice. Peer teaching and learner involvement makes learning more effective. An example is provided in the form of teaching a group of residents of various levels of seniority to perform local skin flaps in a cost-effective and efficient manner.

### Dr NG Li Shia

Department of Otolaryngology- Head and Neck Surgery, National University Hospital

Li Shia is a clinician educator at the National University Health System. She is interested in developing ways to improve the teaching of ENT, through a step-wise approach and hands-on activities, both for residents and medical students.

**Date : 6 June 2016 (Monday)**

**Time : 1.00pm- 1.30pm (Ms Alvona Loh and Dr Ng Ying Woo) , 1.30pm-2.00pm (Dr Ng Li Shia)**

**Venue : Room T09-04, Level 9, NUHS Tower Block, 1E Kent Ridge Road, Singapore 119228**

Lunch will be provided from 12.30pm to 1.00pm. Please RSVP at <https://www.surveymonkey.com/r/NUS-PRIME6June2016>\* by 29 May for catering purposes.

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