

## DAY 1: FRIDAY 7 April 2017

### SHOLEC for Doctors

0830 - 0900	Registration & Breakfast
0900 - 0915	Opening Ceremony
0900 - 0915	Introduction and Opening Speech
0915 - 1115	Session 1
0915 - 0945	Endoscopic Management of GI Bleeding
0945 - 1015	Diagnostic and Therapeutic EUS
1015 - 1045	Enteral Stenting
1045 - 1115	Basic Stone and Stricture Management in ERCP
1115 - 1215	Lunch
1215 - 1800	Session 2
1215 - 1300	Briefing for Hands-On Session 1/PPE Gowning for Wet Lab
1300 - 1800	Hands-On Session 1

### SHOLEC for Nurses

0900 - 0930	Registration
0930 - 0940	Opening Ceremony
0930 - 0940	Introduction and Opening Speech
0940 - 1000	Session 1
0940 - 1000	Lecture: Management of GI haemostasis
1000 - 1020	Session 2
1000 - 1020	Lecture: Clinical nursing management for ERCP
1020 - 1045	Morning Tea break
1045 - 1105	Session 3
1045 - 1105	Lecture: Different ways of removing polyp
1105 - 1125	Session 4
1105 - 1125	Lecture: Infection control in endoscopy
1125 - 1300	Lunch
1300 - 1600	Session 5
1300 - 1600	Hands-on Session: ERCP with stricture station, Haemospray station, Endoloop station, metal stent station
1430 - 1500	Afternoon Tea Break
1600	End of Day



- A** Linkway via MRT station @ Level 1
- B** Linkway @ Level 1
- C** Linkway @ Level 4
- MRT** Kent Ridge MRT Station @ Level 1
- Taxi** Taxi Stand / Drop off
- Bus** Bus Stop
- Drop off** Drop off only

# SINGAPORE HANDS-ON LIVE ENDOSCOPY COURSE

**7-8**  
April 2017

Advanced Surgery Training Centre  
Level 2, Kent Ridge Wing  
National University Hospital, Singapore

Don't miss this rare opportunity to have five "Hands-on" training in basic and advanced endoscopic techniques



## DAY 2: SATURDAY 8 April 2017

### SHOLEC for Doctors

0800 - 0830	Registration
0830 - 1300	Session 3
0830 - 0900	Briefing for Hands-On Session 2
0900 - 1300	Hands-On Session 2
1300 - 1315	Closing
1300 - 1315	Closing Speech and Certification

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Company Registration No. 198500843R

Disclaimer: Whilst every attempt will be made to ensure that all aspects of the programme will take place as scheduled, the Organisers reserve the right to make appropriate changes should the need arise.

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# Singapore Hands-On Live Endoscopy Course (SHOLEC)

The Singapore Hands on Live endoscopy course will be held at the Advanced Surgery Training Centre (ASTC) at the National University Hospital, Singapore on 7<sup>th</sup> - 8<sup>th</sup> April 2017. This year the course will comprise of 2 programmes; one for Doctors and the other for Nurses.

## SHOLEC for Doctors

### Introduction

The Singapore Hands-On Live Endoscopy Course (SHOLEC) will be held at the Advanced Surgery Training Centre (ASTC) at the National University Hospital, Singapore on 7<sup>th</sup> - 8<sup>th</sup> April 2017.

The course is designed with the Gastroenterology and Surgical Endoscopy trainee in mind as well as a select group of GI Physicians and Surgeons, eager to learn and share knowledge relevant to the treatment of patients. Most importantly, it allows participants to do Hands-on endoscopic procedures on live animals and simulator models under close expert guidance.

### Course Content

The course will comprise of interactive lectures, supervised and assisted Hands-on session.

### Hands-on session

There will be a wide array of Hands-on stations which will include hemostasis, polypectomy, EUS, ERCP, PEG tube placement, endoluminal stenting & dilatation and exposure to balloon enteroscopy as well.

For the Haemostasis station, participants will be exposed to injection techniques, mechanical clip placement methods, APC settings and its appropriate use, when and how to use coagulation-based probes and band ligation techniques. The participants will also have hands-on experience with the latest Haemospray device.

Another basic therapeutic station will include polypectomy and EMR techniques on a stomach. This will include simple injection-lift technique to the more complex piecemeal EMR of larger lesions.

The Endoscopic ultrasound station will involve a model for better understanding of anatomical interpretation and learning basic techniques of tissue acquisition. Participants will be exposed to an EUS linear scope.

With the ERCP model, this station gives a great opportunity for beginners to learn cannulation and stenting techniques on a simulator under the supervision of an ERCP expert who can advise on the tips and tricks of cannulation.

Again with a live-case model, participants will be taught the concepts of double balloon enteroscopy as well as given tips for a successful therapeutic enteroscopy.

A separate station will be set up for PEG insertion tubes and techniques and allow demonstration of the direct and pull through methods of PEG placement. Participants will be guided through the correct step-by-step method of PEG placement to minimize risk of adverse events related with this procedure.

### Course Directors

#### Dr Bhavesh Kishor DOSHI

*Senior Consultant & Director of Endoscopy Training  
Division of Gastroenterology & Hepatology  
Department of University Medicine Cluster  
National University Hospital, Singapore*

#### Dr LIM Li Lin

*Senior Consultant & Director, Endoscopy Centre  
Division of Gastroenterology & Hepatology  
Department of University Medicine Cluster  
National University Hospital, Singapore*

## SHOLEC for Nurses

### Introduction

This course is designed for nurses who have basic endoscopic knowledge, eager to learn the skills in endoscopy nursing and share their knowledge. Most importantly, it allows participants to gain a Hands-on experience to endoscopy procedures. Apart from having the exposure to various endoscopy related equipment, as well as the use of simulator and training models under different close expert guidance.

### Course Content

The course will comprise of 2 section. An interactive lectures and a supervised and assisted Hands-on sessions, led by Senior Endoscopy-trained nurses.

### Interactive Lectures

Lecture: Management of GI haemostasis

Lecture: Clinical nursing management for ERCP

Lecture: Different ways of removing polyp

Lecture: Infection control in endoscopy

### Hands on session

The Hands-on session will focus on three main areas in Endoscopy. They are Haemostasis, ERCP and Metallic Stenting.

**For the Haemostasis station**, candidates will be exposed to new modality on use of Haemospray; its indications and appropriate method.

**For Endoloop station**, candidates will be introduce to the reusable and disposable loop. The techniques to deploy and tighten the loop.

**With the ERCP model**, this station gives a great opportunity for beginners to learn techniques on wire and cannula exchanges. There will also be an opportunity to learn insertion of biliary stenting techniques on a simulator under the supervision of ERCP nurse experts who can also advise on ERCP tips and tricks.

**For the Metallic Stent station**, the focus will be on the role of the nurses assisting in the insertion of the metal stent. Participants will be introduced to the different types of metal stents available, how to determine the radiopaque markings and finally how to deploy the metal stents.

### Course Directors

#### Ms SEE Ling Ling

*Nurse Clinician  
Endoscopy Centre  
National University Hospital, Singapore*

#### Mdm LIM Bee Hua Belinda

*Nurse Manager  
Endoscopy Centre  
National University Hospital, Singapore*

## FACILITIES

### National University Hospital

The NUH is a tertiary hospital and major referral centre for a comprehensive range of medical, surgical and dental specialties including Cardiology, Gastroenterology and Hepatology, Obstetrics and Gynaecology, Oncology, Ophthalmology, Paediatrics, Orthopaedic Surgery and Hand and Reconstructive Microsurgery. The Hospital also provides organ transplant programmes for adults (in kidney, liver and pancreas) and is the only public hospital in Singapore to offer a paediatric kidney and liver transplant programme.

Staffed by a team of healthcare professionals who rank among the best in the field, the NUH offers quality patient care by embracing innovations and advances in medical treatment.

In 2004, the NUH became the first Singapore hospital to receive the Joint Commission International (JCI) accreditation, an international stamp for excellent clinical practices in patient care and safety. Today, patient safety and good clinical outcomes remain the focus of the hospital as it continues to play a key role in the training of doctors, nurses and allied health professionals, and in translational research which paves the way for new cures and treatment, offering patients hope and a new lease of life.

A member of the National University Health System, it is the principal teaching hospital of the NUS Yong Loo Lin School of Medicine and the NUS Faculty of Dentistry.

For more information, please visit [www.nuh.com.sg](http://www.nuh.com.sg)

### KHOO TECK PUAT Advanced Surgery Training Centre (ASTC)

The Khoo Teck Puat Advanced Surgery Training Centre (ASTC) housed at NUH was originally built to train surgeons and endoscopist from Southeast Asia, the Middle East and Europe. The ASTC has the most comprehensive and latest facilities and equipment.

The Surgery and Minimally Access Research and Training Laboratory (SMART Lab) is equipped with 10 advanced operating theatre workstations comprising of endoscopy systems with high-resolution HDTV imaging. There are live animal stations that allow trainees to accomplish their training goals.

A seminar hall with the best interactive technology in the field of medical conferences, from 3D virtual reality to multi-live surgery transmissions to video-conference using DVTS link on 100 Mbps to transmit high definition live surgery from our Integrated Minimally Invasive Operating Theatres and from across the world.

The ST Lab, short for Simulation and Training Laboratory, the ST Lab is able to train surgical residents, local and international fellows, medical students and endoscopist using virtual simulation in a risk-free environment.

There are 6 surgical virtual simulators and 10 Dry training box simulators for minimally invasive surgery where trainees hone their skills. Simulators available are :

**GI Mentor** – Provide training for upper and lower gastro-intestinal disease. The trainees can perform simple basic procedures like gastroscopy and colonoscopy up to the most advanced operative endoscopic procedures like treatment of bleeding, ERCP including stenting and stones clearance  
**PEG model** – A specially designed PEG placement model to allow trainee's to learn correct principles and thereafter practice PEG placements under supervision.