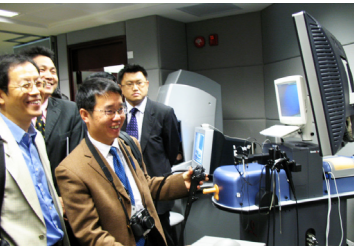
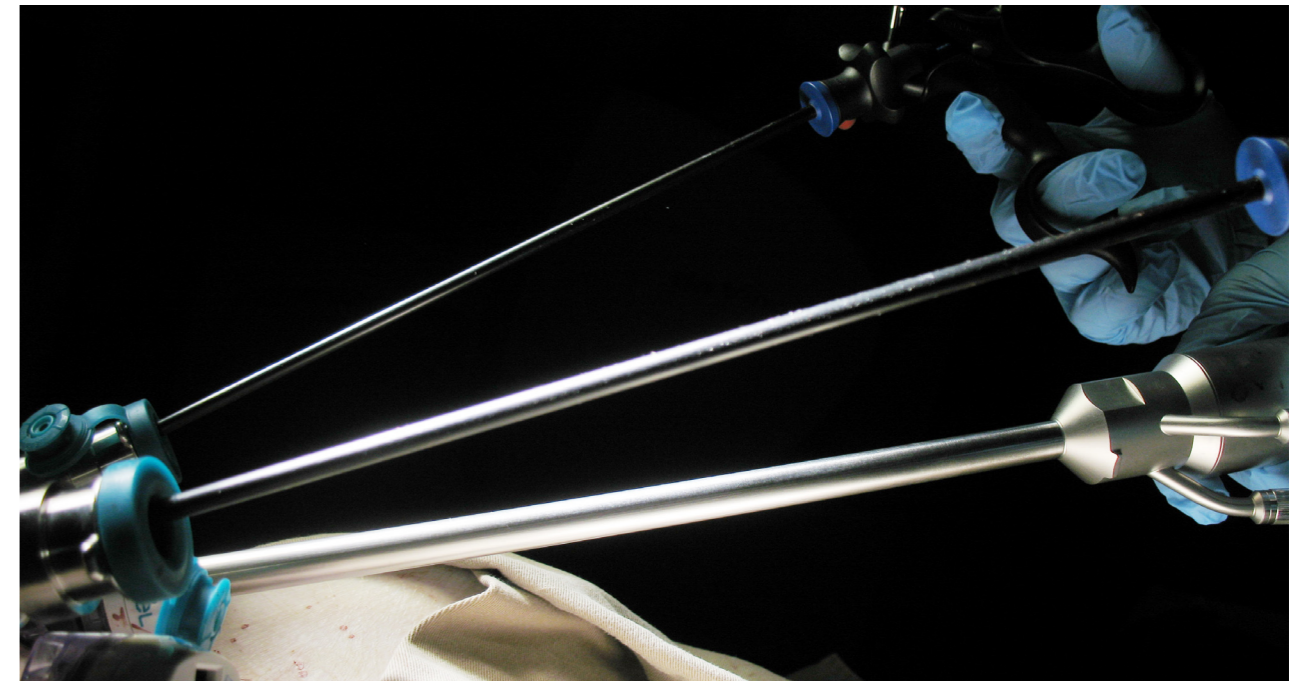




CUHK Jockey Club
Minimally Invasive Surgical Skills Centre

MISCUHK

2008/9
ANNUAL REPORT



2008/9

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- 1303 professionals benefited from training in the Centre over the year.
- As a pioneer training facility providing learning opportunities from basic to advanced surgical skills and in keeping with cutting edge development, the Centre organized the first trainings in a novel surgical technique – single-port laparoscopic surgery. These offerings attracted delegates from Hong Kong, Japan, Korea, Malaysia and Singapore.
- The Centre launched its complementary electronic surgical library 'eSurg'. This is a systematic collection of surgical teaching materials that can be easily accessed online by the surgical community, and it facilitates global exchange of news about the latest surgical techniques and technologies.
- More than 110 surgeons and 70 nurses from various disciplines completed their robotic training in the Centre. As the first endorsed Robot Surgical Training Centre outside the US and Europe, the Centre attracted delegates from across the region, including Australia, India, Japan, the Philippines and Mainland China as well as from Hong Kong.
- The robotic surgical training system was upgraded to the da Vinci S Surgical System, which incorporates high definition imaging and a fourth surgical arm. This enables the Centre to provide trainings for the most modern robotic surgical systems, as currently installed in Hong Kong and countries in the region.
- The first robotic-assisted oesophagectomy for treatment of oesophageal haemangioma in Hong Kong and hence in China was performed in the Prince of Wales Hospital.

As a renowned institution of medical education, the Faculty of Medicine at The Chinese University of Hong Kong has long been successful in carrying out its mission to provide leading edge facilities and superb trainings to medical professionals. Its scope includes bringing the most advanced technologies and knowledge not only to experienced groups, but also to the next generation.

The CUHK Jockey Club Minimally Invasive Surgical Skills Centre plays an admirable part in fulfilling this commitment in the area of minimally invasive surgery. I am confident that very many patients will receive better surgical care and experience less pain and fewer complications as a result.

I am delighted to report that the Centre has met its goals successfully in the past year, having again welcomed well over a thousand participants to its training courses and workshops. These delegates have included local and overseas

surgeons and nurses from various specialties. The last few years have shown how much the Centre's facilities and services are benefiting medical professionals outside Hong Kong as well as our own people and I am very pleased that this should be the case.

I am most grateful for the unfailing support the Centre has received from the Hong Kong Jockey Club and a number of charitable organizations and benefactors, as well as for encouragement from the University itself. The Centre is now well placed to scale new heights in line with the latest advances in technology, engineering and surgical technique.

Finally, I would like to express my deep appreciation to the Executive Board and Committee members for the dedicated way in which they are ensuring that the Centre continues to flourish.



Professor Tai Fai FOK
Dean
Faculty of Medicine
The Chinese University of Hong Kong



- To overcome the acknowledged drawbacks of traditional training methods in surgery by developing an advanced training system offering MIS techniques along with virtual reality, robotic surgery and multimedia applications for training and education
- To improve the quality of patient care through quality assured MIS training and practice
- To provide a training environment that is 100 percent safe for patients
- To provide a training venue for surgical trainees in Hong Kong, Mainland China and the region for the full range of surgical skills
- To conduct leading edge research and development so as to further enhance Hong Kong's position as a world hub for medical sciences and surgical research
- To facilitate knowledge and experience exchange in the Asia Pacific region, in particular for surgeons in Mainland China



01 Professor C A VAN HASSELT
 Chairman of Executive Board, MISSC
 Chairman, Department of Otorhinolaryngology,
 Head and Neck Surgery

02 Professor Enders K W NG
 Director, MISSC
 Chairman, Education and Training Committee
 Chief of Upper Gastrointestinal Surgery
 Department of Surgery

03 Professor Tony K H CHUNG
 Chairman, Department of Obstetrics and
 Gynaecology

04 Professor Tai Fai FOK
 Dean, Faculty of Medicine

05 Professor Leung Kim HUNG
 Chairman, Department of Orthopaedics and
 Traumatology

06 Professor Gavin M JOYNT
 Professor, Department of Anaesthesia and
 Intensive Care

07 Professor Paul B S LAI
 Chairman, Department of Surgery

08 Professor James Y W LAU
 Professor and Chief of Vascular Surgery
 Department of Surgery

09 Professor Thomas W H LEUNG
 Assistant Professor
 Division of Neurology
 Department of Medicine and Therapeutics

10 Professor Philip K T LI
 Deputy Hospital Chief Executive
 Hospital Authority
 Chief of Nephrology
 Department of Medicine and Therapeutics

11 Dr Simon K H WONG
 Editor, MISSC
 Consultant, Department of Surgery

12 Professor Sidney K H YIP
 Chief of Urology, Department of Surgery

13 Professor Cheuk Man YU
 Chief of Division of Cardiology
 Department of Medicine and Therapeutics



Professor Arthur LI
 Emeritus Professor of Surgery
 The Chinese University of Hong Kong
 Member of the Board of Trustees
 United College, CUHK



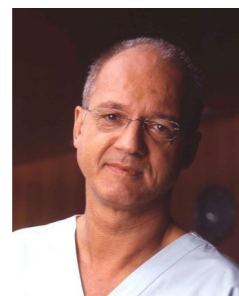
Professor Paolo DARIO
 Professor of Biomedical Robotics
 IEEE Fellow,
 Director, Polo Sant'Anna Valdera,
 Scuola Superiore Sant'Anna,
 Pisa, Italy



Professor THE LORD DARZI OF DENHAM
 Professor of Surgery
 Head of Division Surgery
 Oncology, Reproductive Biology and
 Anaesthetics
 Imperial College London, UK



Dr Frank LANGLOTZ
 Group Head
 University of Bern
 Medical Faculty MEM Research Center
 Institute for Surgical Technology and
 Biomechanics,
 Bern, Switzerland



Professor Jacques MARESCAUX
 Editor-in-Chief, WeBSurg,
 Chairman of the Department of
 Digestive and Endocrine Surgery
 Université Louis Pasteur,
 President of IRCAD-EITS Strasbourg,
 France



Dr Mani MENON
 The Raj and Padma Vattikuti
 Distinguished Chair
 Director of Vattikuti Urology Institute
 Detroit, USA



Dr Craig PETERS
 John E Cole Professor of Urology
 Division of Paediatric Urology
 University of Virginia
 USA



Professor Richard SATAVA
 Professor, Department of Surgery
 University of Washington
 Seattle, USA

EDUCATION AND TRAINING COMMITTEE

CHAIRMAN Professor Enders K W NG
 Chief of Division of Gastrointestinal Surgery, Department of Surgery

MEMBERS Professor Andrew BURD
 Chief of Division of Plastic and Reconstructive Surgery, Department of Surgery

Professor Matthew T V CHAN
 Professor, Department of Anaesthesia and Intensive Care

Professor Tony K H CHUNG
 Chairman, Department of Obstetrics and Gynaecology

Professor Leung Kim HUNG
 Chairman, Department of Orthopaedics and Traumatology

Professor Paul B S LAI
 Chief of Division of Hepatobiliary and Pancreatic Surgery, Department of Surgery

Professor James Y W LAU
 Chief of Division of Vascular Surgery, Department of Surgery

Dr Janet F Y LEE
 Chief of Division of Colorectal Surgery, Department of Surgery

Dr Kim Hung LEE
 Chief of Division of Paediatric Surgery and Paediatric Urology, Department of Surgery

Professor Wai Sang POON
 Chief of Division of Neurosurgery, Department of Surgery

Professor Timothy H RAINER
 Director, Accident and Emergency Medicine Academic Unit

Professor Michael C F TONG
 Professor, Department of Otorhinolaryngology, Head and Neck Surgery

Ms Karen TSE
 Department Operation Manager, Prince of Wales Hospital

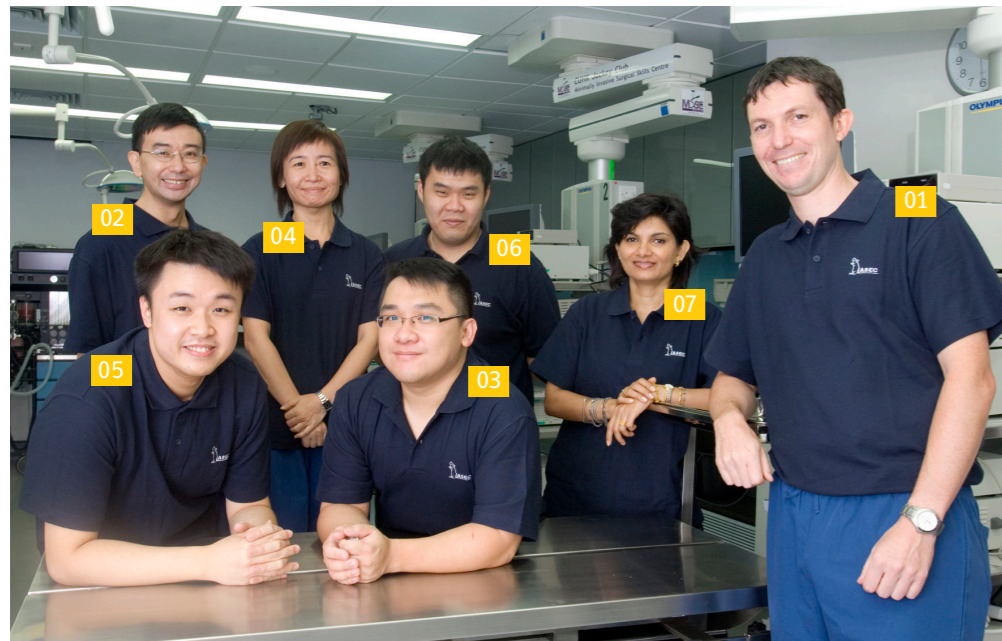
Professor Malcolm J UNDERWOOD
 Chief of Division of Cardiothoracic Surgery, Department of Surgery

Professor Sidney K H YIP
 Chief of Division of Urology, Department of Surgery

LASEC - Research Unit

All of the MISSC's hands-on workshops involving live animals are fully supported by staff of the Research Unit of the Laboratory Animal Services Centre (LASEC) of The Chinese University of Hong Kong. Their professional services ensure the highest standards of animal welfare and care.

Animals are housed and cared for according to international standards, and every effort is made to minimize pain and distress.



- 01 Dr Dewi ROWLANDS (Scientific Officer)
- 02 Dr Theodore LO (Research Associate)
- 03 Mr Kenny SIN (Technician)
- 04 Ms Kathy KAN (Veterinary Attendant)
- 05 Mr Tommy CHAN (Veterinary Attendant)
- 06 Mr Simon LO (Veterinary Attendant)
- 07 Ms Patricia Pinna (Secretary)



The generosity of the Hong Kong Jockey Club and of an anonymous donor enabled the Centre to become the first endorsed Robotic Surgical Training Centre outside the US and Europe.

In July 2009, the da Vinci S robotic surgical system became available at the Centre for training purposes. The Centre has since offered trainings using this state-of-the-art system, which is compatible with most of the robotic surgical systems installed locally and regionally.

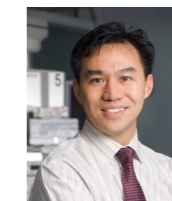
Ever since the Robotic Surgical Training Centre was established, we have benefited greatly from the wide ranging support of Intuitive Surgical Inc. and Chindex Hong Kong Ltd, and we thank them for having contributed so importantly to

the rapid early success of the Centre and its training programme.

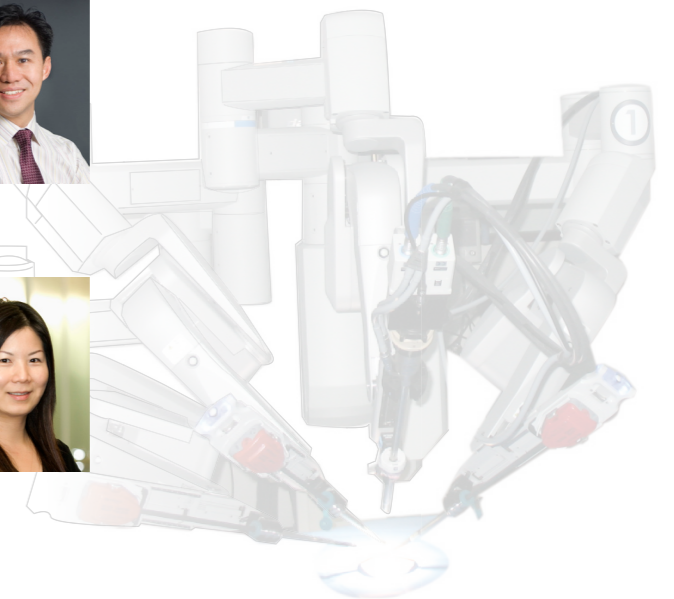
Since holding its first training session in February 2008, the Centre has hosted robotic surgical training for disciplines ranging from general surgery, urology, gynaecology, paediatric surgery, cardio thoracic surgery and otorhinolaryngology, head and neck surgery to dental surgery. The fact that we have thus far trained more than 4,440 surgeons and 528 nurses with the assistance of faculty members has brought the extraordinary benefits of robotic surgery to untold numbers of patients.

ACCREDITED TRAINERS

Faculty: Professor Sidney YIP
 Professor and Chief
 Division of Urology
 Department of Surgery
 The Chinese University of Hong Kong



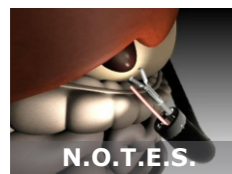
Trainer: Ms Michelle LEONG
 Clinical Application Specialist
 Chindex Hong Kong Limited



In April 2009, the Centre launched a complementary electronic surgical library, eSurg. This meaningful initiative aims at creating a systematic collection of surgical teaching materials that are easily accessed by the surgical community, and will also facilitate the global exchange of news about the latest surgical knowledge and techniques. Video clips of different operations introducing new surgical techniques and products are regularly placed on this dedicated Website to enable wide sharing. As at August 2009, eSurg had more than 200 members from more than 30 countries registered as online users.

We invite you to register at www.esurg.net to share new knowledge and skills.

Your Online Surgical Library

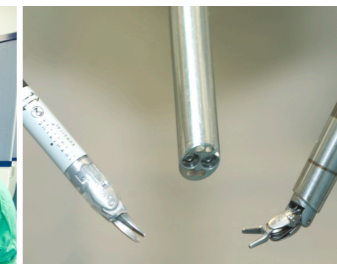


The da Vinci S robotic surgical system in the Centre is controlled from a detached console. The latest innovation, a fourth surgical arm, typically controls the instruments used to retract adjacent tissues and anatomy, and 3-D video technology provides unmatched visualization of operating fields.

The training the Centre offered has since its establishment to surgeons and nurses from the Prince of Wales Hospital (PWH), the teaching hospital of CUHK, has enabled more than 270 robotic assisted surgical procedures in various disciplines to be conducted in this one major public hospital alone, not to mention the many

hundreds of patients who have been similarly benefited elsewhere in Hong Kong, in Mainland China and elsewhere in Asia.

Procedures at PWH have ranged from general surgery, urology, gynaecology, paediatric surgery, and cardiothoracic surgery to otorhinolaryngology, head and neck surgery. Particularly encouraging during the year under review was the successful performance in PWH of the first robotic assisted oesophagectomy for the treatment of oesophageal haemangioma in China.





Surgical Skills Laboratory

The laparoscopic camera and LCD monitor systems of the eight operating tables have been upgraded to HD standards. Each table now has a dedicated surgical stack housing diathermy and ultrasonic dissection units, a vessel sealing unit, a ventilator, a laparoscopic xenon light source and a laparoscopic carbon dioxide insufflation unit. Compressed air vacuum and oxygen services are provided through pendants. Other standard facilities include an LCD projector, flush mounted ceiling speakers, ceiling mounted camera and an operating light.



Simulated Operating Theatre

The Simulated Operating Theatre allows demonstration of many different surgical scenarios and is particularly useful for courses in disaster management. The room replicates the endosurgery operating theatre at the Prince of Wales Hospital and is equipped with surgical pendant, surgical light, HDTV flat screen, surgical pendant housing diathermy unit, laparoscopic camera, HDTV camera head, laparoscopic light source, laparoscopic carbon dioxide insufflation, touch screen monitors, boom mounted microphone system, nurse station and audiovisual interconnection.

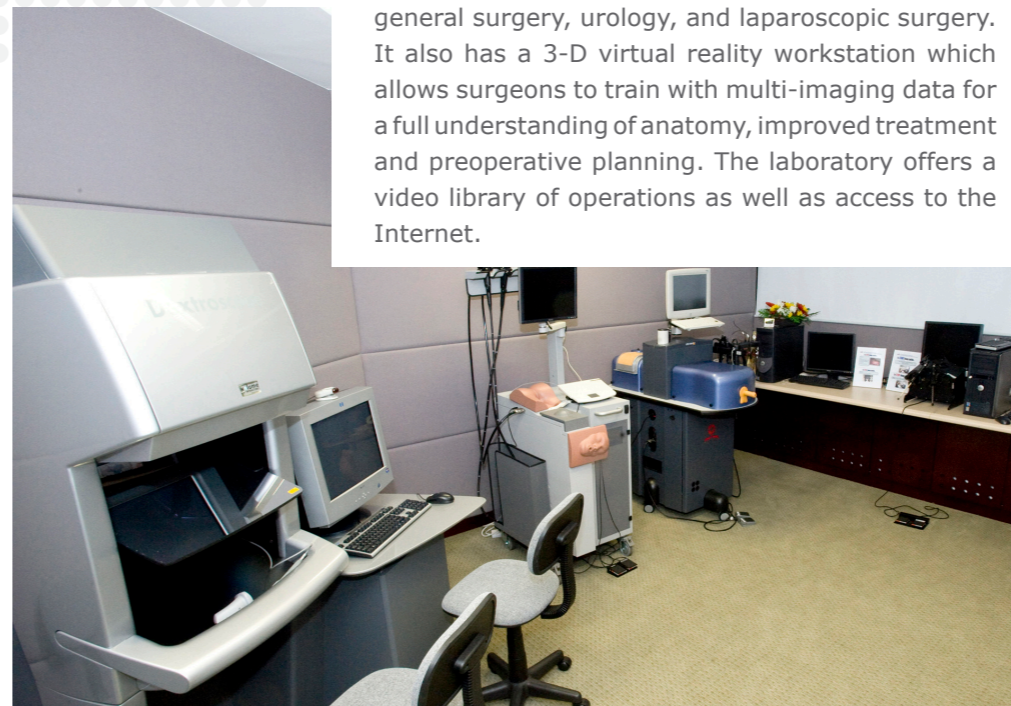
Microsurgical and Endoscopic Skills Laboratory

The Microsurgical and Endoscopic Skills Laboratory allows hands on workshops for up to six participants. Six workstations and a demonstration desk offer standard facilities including a 42" LCD display, individual monitors, a DVD recorder, audio/video recorders and ceiling speakers. Each workstation includes a microscope, operating telescope, xenon light source system, micro-drill micro-debrider system, digital one-chip video camera system and LCD display.



Virtual Reality Laboratory

The Virtual Reality Laboratory houses simulators for general surgery, urology, and laparoscopic surgery. It also has a 3-D virtual reality workstation which allows surgeons to train with multi-imaging data for a full understanding of anatomy, improved treatment and preoperative planning. The laboratory offers a video library of operations as well as access to the Internet.



Seminar Room

The Seminar Room seats 62 persons in classroom style. Standard facilities include a white board, X-ray viewing boxes, a high quality sound system with ceiling speakers, a high quality projector, a remote polling system and teleconferencing equipment supported by ISDN and an Internet superhighway (reserved cable 40 megabits/sec).



2008.09.08-19 — 6th Temporal Bone Dissection Course



2008.09.23-26 — Robotic Surgical System Training Programme



2008.11.03-04/10-13/18-21 — Robotic Surgical System Training Programme

2008.11.03-04 — 3rd Masterclass in Hernia Surgery

2008.11.05 — Prostate Cancer Symposium 2008



2008.11.14 — ENT Conference - AB Temporal Bone Dissection Workshop

2008.11.15 — ENT Conference - Sleep Surgery Workshop

2008.11.25-27 — 2nd Asia Pacific Gastroesophageal Cancer Congress (APGCC)

2008.11.28-29 — ENT HA Commissioned Training

SEP

OCT

NOV

DEC

2008.10.02 — Hands-on Workshop in Advanced Laparoscopic Gynaecological Surgery

2008.10.09 — Doing the Surgery Better - Workshop on the Advanced Usage of Haemostats and Sealants

2008.10.10 — Olympus Staff Training

2008.10.15-16 — Baxter Internal Training for New Hirer

2008.10.17-18 — Neurosurgery HA Commissioned Training



2008.10.31 — 7th Ultrasound in Anaesthesia Workshop

2008.12.05-06/09-10/16-19 — Robotic Surgical System Training Programme



2008.12.20 — Scaphoid Fracture Workshop



2009.01.06-09/13-16/20-21 — Robotic Surgical System Training Programme



2009.03.10 — Urology Live Demonstration Workshop



09

JAN

FEB

MAR

APR

2009.02.13-14 — 3rd Lung Recruitment Workshop



2009.02.19-20/24-25 — Robotic Surgical System Training Programme

2009.02.25 — Temporal Bone Workshop



2009.04.03 — International Video Teleconference on Gastric Surgery on MIS



2009.04.08-11/14-17/22-23/27-28 — Robotic Surgical System Training Programme

2009.05.06-09/11-14/18-19/21-22/25-26 — Robotic Surgical System Training Programme

2009.05.08 — Neurosurgery Exam for HST

2009.05.09 — Hands-on Wrist Arthroscopy Cadaveric Workshop

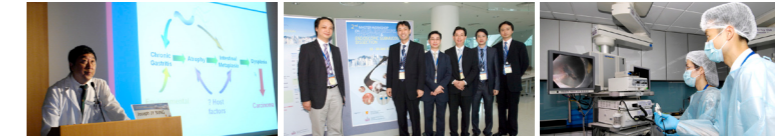


2009.05.10 — ENT Commissioned Training on Facial Plastic Surgery



2009.07.14-17/20-25 — Robotic Surgical System Training Programme

2009.07.22-23 — 2nd Master Workshop on Novel Endoscopic Technology and Endoscopic Submucosal Dissection



2009.07.24-25 — Commissioned Training Programme in Neurosurgery 2009

2009.07.26 — Minimally Invasive Spine Surgery - Cadaveric Workshop

2009.07.26 — Ultrasound in Anaesthesia Workshop - Train the Trainers

MAY

JUN

JUL

AUG

2009.06.05 — O&G Robotic Hands-on Workshop

2009.06.09-12 — Robotic Surgical System Training Programme

2009.06.09 — Laparoscopic Gynaecological Surgery - Sharing of Experience

2009.06.17-18 — Single Incision Laparoscopic Surgery Workshop

2009.06.25 — Mainland-Hong Kong Otorhinolaryngology - Head and Neck Symposium



2009.08.01 — Urology Single Port Hands-on Workshop

2009.08.04-05 — Bariatric and Metabolic Surgery Workshop 2009



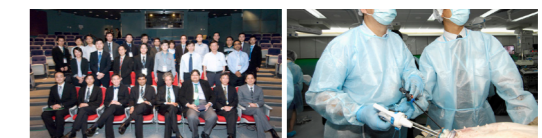
2009.08.04-05/11-14/25-26 — Robotic Surgical System Training Programme

2009.08.06-08 — Asia Pacific Rhinology Innovative Leaders (APRIL) Forum on Advanced FESS and Endoscopic Skull Base Surgery

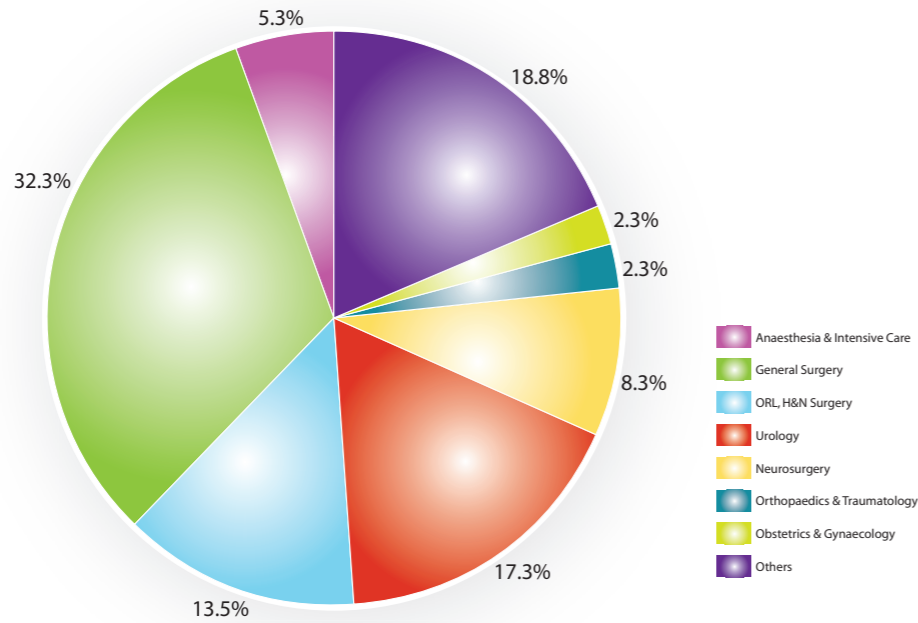
2009.08.14 — Ultrasound Guided Regional Anaesthesia Workshop

2009.08.18-21 — ENT Robotic Surgery Practice Session

2009.08.28-29 — 1st Hong Kong Congress of Endourology 2009 and LESS Workshop

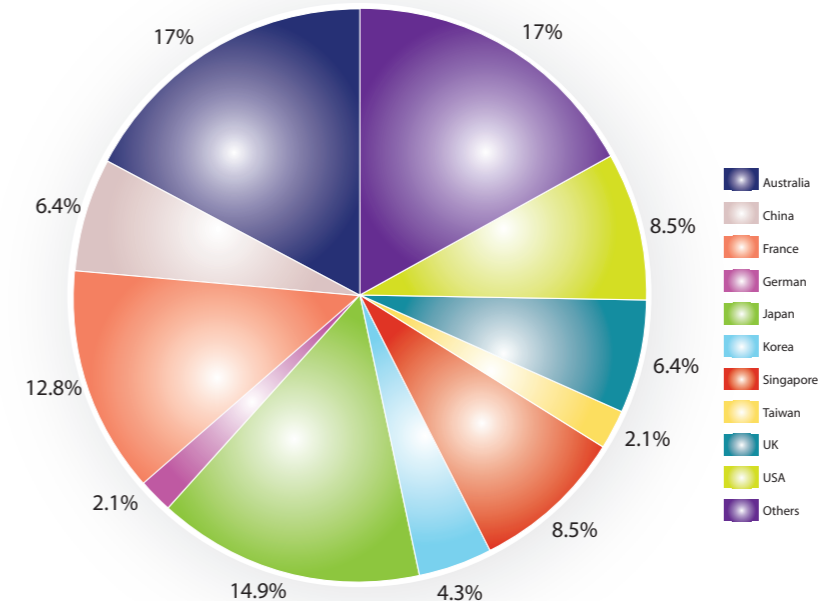


Specialties of **Faculty** taking part in MISSC workshops (Aug 2008 - Jul 2009)



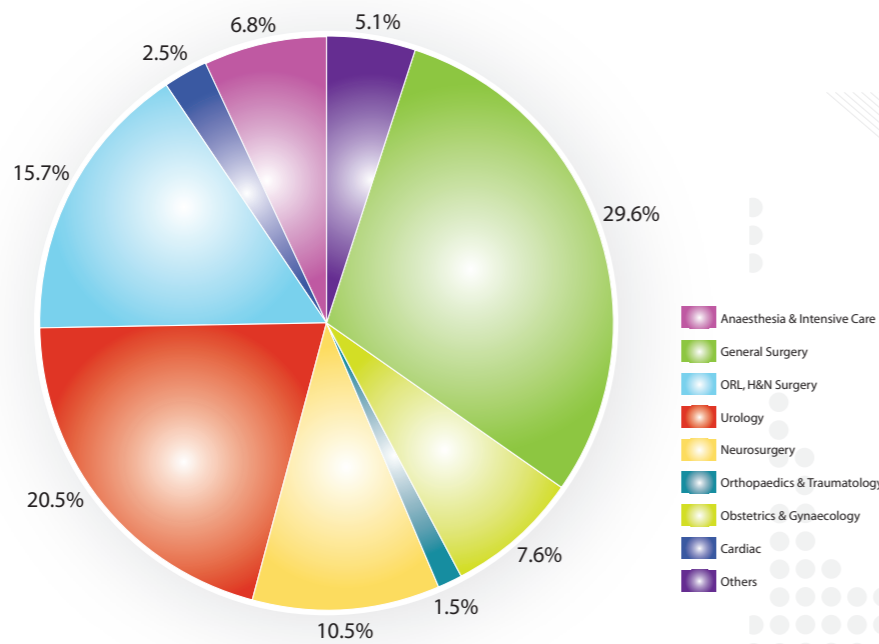
Total Faculty : **133**

Countries of **Overseas Faculty** taking part in MISSC workshops (Aug 2008 - Jul 2009)



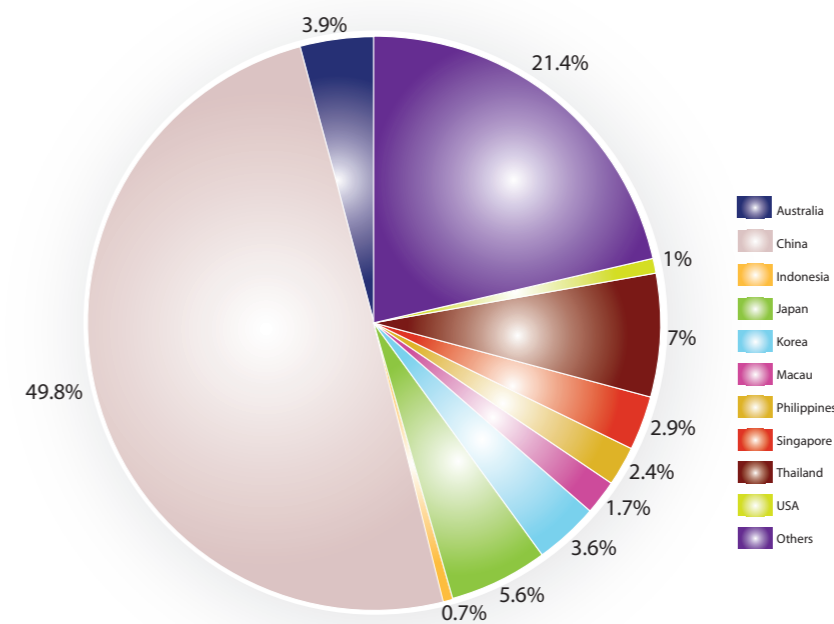
Total Overseas Faculty : **47**

Specialties of **Delegates** taking part in MISSC workshops (Aug 2008 - Jul 2009)



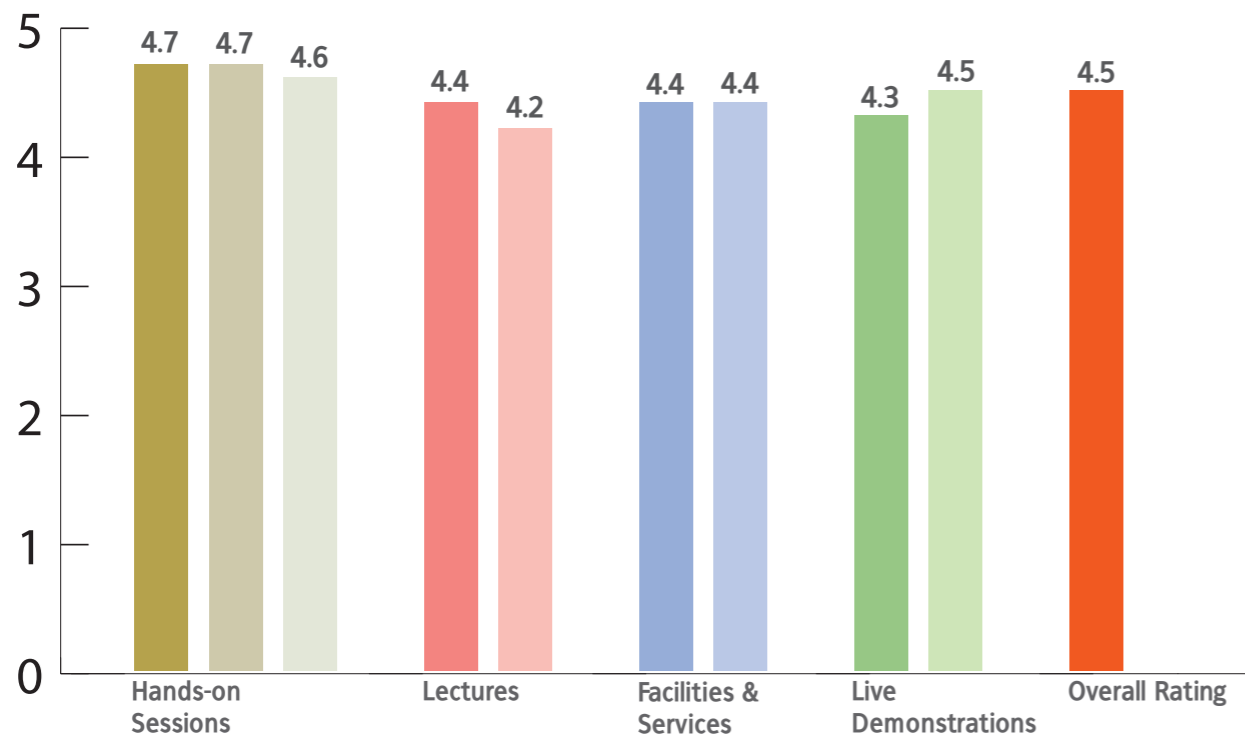
Total Delegates : **1303**

Countries of **Overseas Delegates** taking part in MISSC workshops (Aug 2008 - Jul 2009)



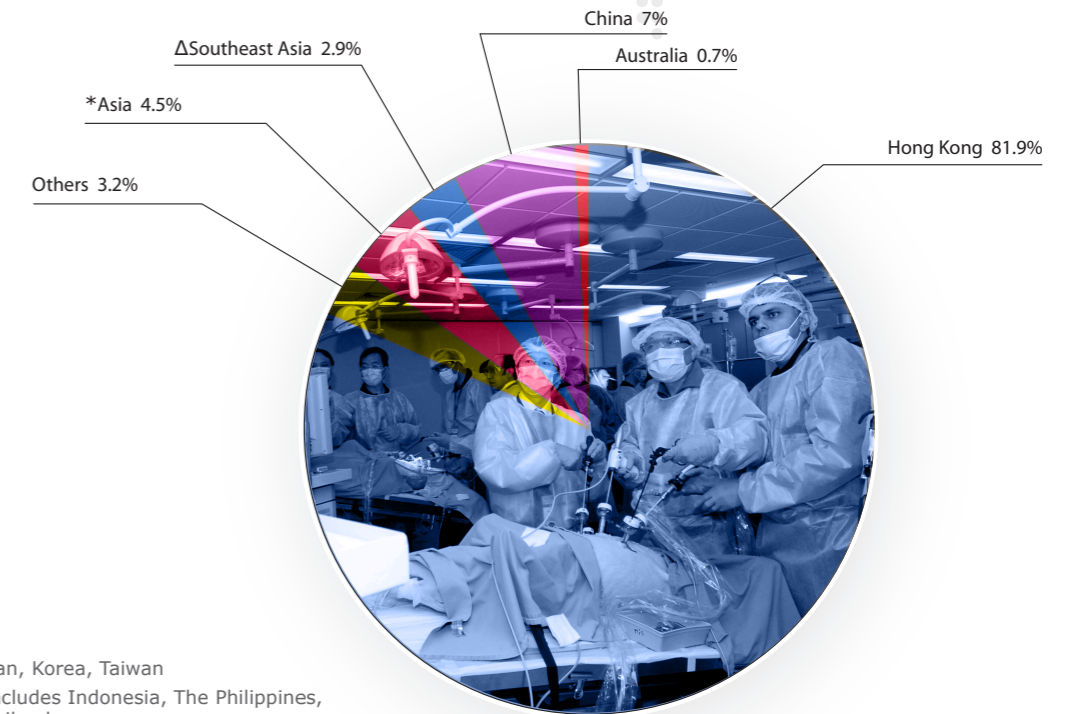
Total Overseas Delegates : **412**

Satisfaction with all activities (2008/09)



Ratings on a scale from 1 (=Very Dissatisfied) to 5 (=Very Satisfied)

Countries of Delegates taking part in MISSC workshops since establishment



* "Asia" includes Japan, Korea, Taiwan
 Δ "Southeast Asia" includes Indonesia, The Philippines, Singapore, and Thailand

Total Delegates : 4446

Countries of Faculty taking part in MISSC workshops since establishment



* "Asia" includes Japan, Korea, Singapore, Taiwan
 Δ "Europe" includes France, Germany, UK

Total Faculty : 528

The Centre's varied achievements as a teaching and learning facility since its establishment are well captured in the statistics we present, although not even the very high customer satisfaction scores can convey the enthusiasm and dedication of our delegates and faculty.

In purely quantitative terms, the fact that we have attracted 4,446 surgeons and other professionals in the field as delegates from the region and around the world speaks volumes for our rapidly growing reputation. What is equally remarkable is that 528 surgeon-trainers from so many countries have acknowledged the scope, technical sophistication and overall quality of our facilities and services by committing to work with us. The generous sharing of skills and knowledge on the part of these experts from so many different surgical fields has been heartwarming and inspiring.



Professor Yu-Cun LIU
President and Professor of Surgery
Peking University First Hospital



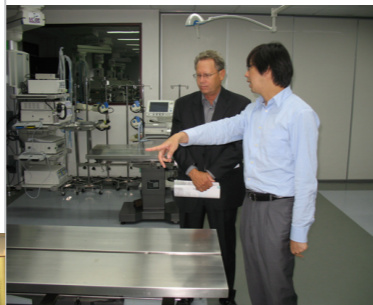
Professor James S T YAO
Emeritus Professor of Surgery
Division of Vascular Surgery
Northwestern University
Feinberg School of Medicine
Chicago



Professor Huan-Cong ZUO
Professor Qing-Yu WU
Vice Deans
Faculty of Medicine
Tsinghua University



Professor Feng LING
Xuan Xu Hospital



Professor Michael Lawrence-Brown
Emeritus Consultant Vascular Surgeon
Royal Perth Hospital
Perth, Australia



Dr. Ji-Hua MA
Subdean
Wuhan University of Science and Technology



Peking Union Medical College and Zhejiang University School of Medicine



Salesian English School



**Students from Department of Electronic and Information Engineering
The Hong Kong Polytechnic University**



CUHK Orientation Day



Education Bureau



Sichuan Academy of Medical Sciences and Sichuan Provincial People's Hospital

Reaching out to students

- La Salle College
- Queen's College
- Medical staff from Peking University
- Exchange students from Peking University and Taipei Medical University

Acknowledgements

The Director and staff of the MISSC gratefully acknowledge the generous support of the following:



香港賽馬會慈善信託基金
The Hong Kong Jockey Club Charities Trust



The Chinese University of Hong Kong

Kai Chong Tong

Accreditation



An ELSA accredited training centre



This course meets the guidelines as established in the "Framework for Post-Residency Surgical Education and Training" and is endorsed by the Society of American Gastrointestinal Endoscopic Surgeons (SAGES)



Accredited by The College of Surgeons of Hong Kong for basic training in laparoscopic surgery



If you require more information on the CUHK Jockey Club Minimally Invasive Surgical Skills Centre (MISSC), please complete and return the following enquiry slip by fax (+852 2632 4708). The enquiry slip can also be download from <http://www.hkmisc.org.hk>. For telephone enquiries, please call Miss Joanne Hui on +852 2632 2644 or email <info@hkmisc.org.hk>

PERSONAL INFORMATION

Name : _____
 Institute / Organization : _____
 Correspondence address : _____

 Country : _____
 Phone number : _____
 Email : _____
 Fax : _____

Please insert a ✓ in the appropriate box(es)

I am interested in : Event

- Meetings
- Seminars
- Workshops
- Courses
- Other (please specify) _____

Discipline

- Breast Surgery
- Cardiothoracic Surgery
- Colorectal Surgery
- Endocrine Surgery
- General Surgery
- Hepato-biliary and Pancreatic Surgery
- Neurosurgery
- Obstetrics and Gynaecological Surgery
- Orthopaedic Surgery
- Otorhinolaryngology
- Paediatric Surgery and Paediatric Urology
- Plastic and Reconstructive Surgery
- Trauma
- Upper Gastrointestinal Surgery
- Urology
- Vascular Surgery

Collaboration sought

- Co-organizer
- Sponsor
- Participant
- Other (please specify) _____

We very much welcome donations in support of the operations and continuing development of the MISSC, and will be pleased to update you on progress from time to time.

If you wish to support the MISSC, please complete and return the form below by fax (+852 2632 4708) or by mail (CUHK Jockey Club Minimally Invasive Surgical Skills Centre, 3/F Li Ka Shing Specialist Clinic (North Wing), Prince of Wales Hospital, Sha Tin, Hong Kong)

PERSONAL DETAILS

Name in English : _____ Name in Chinese : _____

Phone number : _____ Email : _____

Receipt required?: Yes No

(Donations of HK\$100 or above are tax deductible in Hong Kong against a receipt)

Name to be printed on receipt (individual or company):
_____Mailing address for future correspondence:

_____**DONATION DETAILS**

BY CHEQUE (Please make the cheque payable to "The Chinese University of Hong Kong")

Cheque number : _____

Name of Bank : _____

Donation amount : HK\$ _____

BY CREDIT CARD

For credit card payments, please complete and return this form by fax to +852 2632 4708.

Card Type : Visa Master Card

Amount of Donation : HK\$ _____

Name of Cardholder : _____

Card Number : _____

Expiry Date : _____ / _____ (MM/YY)

Cardholder's Signature : _____

