

JULY 3 – 5, 2024
MANILA,
PHILIPPINES

The Fourth

International Training Workshop

on Focused Ultrasound Therapy for Tumors

High Intensity Focused Ultrasound (HIFU) Therapy



Training Venue: St. Luke's Medical Center – Global City

Organized by

International Society of Minimally Invasive and Virtual Surgery
St. Luke's Medical Center – Global City



About HIFU

High Intensity Focused Ultrasound (HIFU) refers to the noninvasive therapeutic technology that concentrates the energy of extracorporeal low-intensity ultrasound beams onto the targeted lesions inside the body, resulting in a rapid temperature rising up to 65-100 °C at the focal point and an induction of irreversible coagulative necrosis without damaging the surrounding tissues.

Indications

Solid tumors such as liver tumor, pancreatic tumor, kidney tumor, bone tumor, uterine fibroids, etc.; and adenomyosis.

Advantages of HIFU

- Non-invasive treatment
- Anti-tumor immunity activated
- Minor complications compared to conventional surgeries
- No risk of iatrogenic infection
- Shorter hospital stay
- Faster recovery after treatment
- No blood transfusion required
- Single-session treatment in most cases



About the Training Workshop

International Training Workshop on Focused Ultrasound Therapy for Tumors provides training courses on High Intensity Focused Ultrasound (HIFU) therapy for clinicians including obstetricians and gynecologists, oncologists, surgeons, interventional radiologists, etc. Collaborated with different institutions worldwide, it has been implemented for 7 sessions since 2012, covering both theoretical training and clinical practice, and having trained 176 doctors from 42 countries. In 2018, this Workshop for the first time went abroad to Cairo, Egypt and continued its overseas education in Johannesburg, South Africa in 2019. As the COVID-19 pandemic had hit the world for nearly three years, the Workshop was restarted on November, 2022 in Malacca, Malaysia.

This year, the International Training Workshop on Focused Ultrasound Therapy for Tumors will kick off in Manila, Philippines from July 3 to 5, 2024.

Regional Conference before the Workshop



ISMIVS Regional Meeting in *MANILA*:
Strategies and Advancements in Minimally
Invasive and Noninvasive Surgery



DATE:
JULY 3,
2024

*Details and line-up are coming soon, stay tuned!

Past Workshops



2022 Training Workshop (Malacca, Malaysia)



2019 Training Workshop (Johannesburg, South Africa)



2018 Training Workshop (Cairo, Egypt)

Training Schedule (Tentative)

HIFU Training Programme - Tentative

Venue St Luke's Medical Center	Trainees by group	Group A: 20 international trainees Group B: 10 local trainees Group C: 30 local trainees Group D: Participants for the Conference	Duration	3+2 days For first 3 days-Lecture for all trainees, hands-on for oversea doctors for last 2-day hands-on practice for local doctors	Lecturer
Time	Venue	Course	Training Content		
Audience: Group A+B+C+D					
Day 1	08:00-12:30	Henry Sy Auditorium	Opening Ceremony of the Training Workshop & ISMIVS Regional Conference: Strategies and Advancements in Minimally Invasive and Noninvasive Surgery 1. Prof. Philippe Descamps: Will miRNA salivary diagnostic test reduce the number of laparoscopies for peritoneal endometriosis? 2. Prof. Tanto Cheung: Update on minimally invasive and non invasive treatments for liver cancer 3. Prof. Aranya Yantapan: Robotic surgery – Experience in Rajavithi Hospital 4. Prof. Mohamed Hamed: Management of liver tumor & HIFU application in other extended indications 5. Prof. Zhang Lian: Clinical application of focused ultrasound ablation-State of Art 6. Dr. Sandee Go: HIFU treatment of fibroids and adenomyosis – St Luke's Medical Center protocol 7. Dr. S. Selva: Infertility with uterine fibroids and adenomyosis – How can HIFU help 8. Dr. He Min: The learning curve for HIFU 9. Dr. Wang Xi: Current status and development of focused ultrasound in the treatment of vulvar and cervical disease		
	13:30-14:30	Henry Sy Auditorium	System Introduction	Structure of the equipment and the working principle of subsystems; Energy output of transducer; Demonstration of operating the system, software and device (Optional for Group D)	Video
	14:30-16:00	Henry Sy Auditorium	Lecture	Treatment procedure video Case study video Q&A (Optional for Group D)	Dr. He Min
	16:00-17:00	Henry Sy Auditorium	Lecture	Treatment strategies and fertility protection for adenomyosis (Optional for Group D)	Dr. Sevellaraja Supermaniam
	17:00-18:00	Henry Sy Auditorium	Hands-on	Practice on simulation software (Only for Group A+B+C) <i>*The simulation software can only be operated on Windows 7/10; for Mac users, please install a virtual machine to run Window 7/10 on MacOS first.</i>	Dr. He Min
Audience: Group A+B+C					
Day 2	09:00-12:00	HIFU Room & Henry Sy Auditorium	Live Treatment	Watch a live treatment in HIFU Room (Group A+B) Watch live treatment broadcasting in Training Room (Group C)	Dr. Sandee Go Dr. He Min
	11:30-12:30	Henry Sy Auditorium	Lecture	The Physics and Biological Effect of HIFU Ablation	Dr. He Min
	14:00-15:00	Henry Sy Auditorium	Lecture	MRI reading, MRI features of normal uterus and uterine fibroids, and differentiation of benign and malignant tumors	Dr. He Min
	15:00-15:30	Henry Sy Auditorium	Lecture	Clinical application of focused ultrasound therapy in cervical and vulvar diseases	Dr. Wang Xi
	15:30-17:30	HIFU room	Hands-on	Practice on HIFU system (Group A1)	Dr. He Min
		Henry Sy Auditorium	Hands-on	Practice on HIFU Device for cervical and vulvar diseases (Group A2)	Dr. Wang Xi
Audience: Group A+B+C					
Day 3	09:00-11:30	HIFU Room & Henry Sy Auditorium	Live Treatment	Watch a live treatment in HIFU Room (Group C) Watch live treatment broadcasting in Training Room (Group A+B)	Dr. Sandee Go Dr. He Min
	11:30-12:30	Henry Sy Auditorium	Lecture	Complications of HIFU treatment: 1. Characteristics of complication types, 2. Prevention of complications related to analgesia and sedation	Prof. Zhang Lian
	14:00-14:30	Henry Sy Auditorium	Lecture	Sedation and Analgesia Planning for HIFU Ablation	Dr. Melissa Young
	14:30-16:30	HIFU Room	Hands-on	Practice on HIFU system (Group A2)	Dr. He Min
		Henry Sy Auditorium	Hands-on	Practice on HIFU Device for cervical and vulvar diseases (Group A1)	Dr. Wang Xi
Audience: Group B+C					
Day 4- Day 5	09:00-17:00	HIFU Room	Hands-on	Practice on HIFU system and HIFU device (Group B+C) <i>(only for local Philippine doctors, can register for time slot and come for practice, each doctor 30 mins on Haifu System+10 Mins on Haifu Device)</i>	Dr He Min & Dr Wang Xi



Lecturer Team (Tentative)



Prof. Philippe Descamps
Gynecologist, Angers University Hospital (France)



Prof. Tanto Cheung
Surgeon, Queen Mary Hospital (Hong Kong, China)



Prof. Aranya Yantapant
Gynecologist, Rajavithi Hospital (Thailand)



Prof. Hamed Mohamed
Radiologist, Cairo University (Egypt)



Dr. Sevellaraja Supermaniam
Gynecologist, Mahkota Medical Center (Malaysia)



Dr. Sandee Go
Assistant Head, HIFU Unit, St. Luke's Medical Center –
Global City (Philippines)



Dr. Leovegildo Comia Jr,
Clinical Associate Professor, UP College of Medicine
(Philippines)



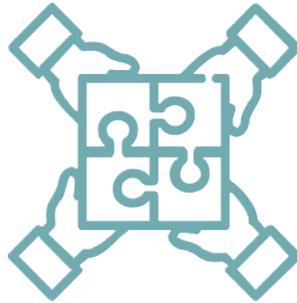
Prof. Zhang Lian
Director, Chongqing Haifu Hospital (China)



Dr. Min He
Training Director/HIFU Specialist, National Research
Center of Ultrasound Medicine (China)



Dr. Wang Xi
HIFU Specialist, National Research Center of Ultrasound
Medicine (China)



How to apply

Application is open from March 25th to May 20th, 2024. Please send your CV to hannahxu@isminim.org by the termination date.

20 local trainees will be admitted for the Training Workshop after screening, and the admission/rejection shall be confirmed by email notification before June 1st.

*Lunches during training days will be provided.

Eligibility for Applicants

2024 Training Workshop is open to gynecologists, obstetricians, oncologists, interventional radiologists, and surgeons who are interested in the noninvasive technology, high intensity focused ultrasound (HIFU). Applicants shall meet the following requirements:

- Hold a valid practicing certificate;
- Be familiar with ultrasound imaging;
- Be fluent in English;
- Be in a good health status.

About the Organizers



St. Luke's Medical Center – Global City

St. Luke's Medical Center lives up to its reputation of pioneering healthcare services with state-of-the-art facilities that are first-of-its-kind in the Philippines. Using advanced medical technology, St. Luke's-Global City opens the country's first and only facility specializing in High-Intensity Focused Ultrasound (HIFU) since Feb, 2023. The unit performs a non-surgical treatment modality that uses an extracorporeal focused ultrasound beam to generate heat, destroying solid tumors—whether malignant or benign. HIFU technology is revolutionizing the treatment of patients with uterine myoma, adenomyosis and liver tumors. It is a better alternative for patients who do not want surgery and those who are not in good physical condition for conventional surgical treatment.





International Society of Minimally Invasive and Virtual Surgery **(ISMIVS)**

The International Society of Minimally Invasive and Virtual Surgery (ISMIVS), previously known as International Society of Minimally Invasive and Noninvasive Medicine, was founded in July 2013 in Chongqing, China. ISMIVS' vision is to accelerate the development of minimally invasive and noninvasive medicine through the clinical research, training, academic communications, and international collaborations. ISMIVS has convened 5 sessions of Yangtze International Summit on Minimally Invasive and Noninvasive Medicine. The current president is Prof. Philippe Descamps from Angers University Hospital, France.

Visit us on www.isminim.org

For more information, please contact Ms. Hannah Xu

Email: hannahxu@isminim.org

WhatsApp: +86 15823815650

