

TAES X IRCAD X TSSG

GENERAL SURGERY 360° COURSE:

ENDOSCOPIC/LAPAROSCOPIC/IMAGE- GUIDED FUNDAMENTAL COURSE

(TR1 - GENERAL SURGERY LAPAROSCOPIC FUNDAMENTAL COURSE)

SEP 26 - 28, 2025 ASIA IRCAD – TAIWAN



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COURSE OBJECTIVES

- To prepare resident doctors ready for safe practice of laparoscopic surgery
- To describe and understand the equipment, tools, energy, and pneumoperitoneum
- To present the fundamentals of laparoscopic techniques
- Practical training sessions to learn and improve the performance of basic techniques in laparoscopic surgery, such as intra-corporeal suturing and tying techniques of knots, coordinating both hands for dissection and safe energy use in laparoscopy
- To describe common laparoscopic techniques and operative procedures
- To describe the results and potential complications of laparoscopic procedures

TARGET AUDIENCE

- Surgeons in training who wish to solidify knowledge on basic principles and theories behind laparoscopic surgery, including instrumentations, ergonomics, and technical skills, on comprehensive but fundamental fields in general surgery such as hernia, bariatric, hepatobiliary, colorectal, and pediatric surgery.

Day 1 - Friday, Sep 26, 2025

08.20 am Shuttlebus from Hotel to IRCAD-Taiwan

08.40 am Registration


09.00 am MORNING SESSION – 1F Auditorium

09.00-09.10 **OPENING SESSION IN AUDITORIUM**

Welcome to Participants

09.10-09.30 Laparoscopic equipment: camera, optical system, insufflator, and instruments

09.35-10.15 Partnering with Medtronic:

 Suture & Ligation

 Energy & Stapling

10.20-10.45 Application of ICG in laparoscopic hepatobiliary surgery

10.45-11.15 Coffee Break

11.15-11.40 Laparoscopy in acute abdomen

11.45-12.10 Cholecystectomy: basic principles and techniques in common and complex situations

12.15-12.40 Laparoscopic common bile duct exploration: indication, techniques and cautions

12.40-13.40 Lunch Break

13.40 pm AFTERNOON SESSION – 1F Auditorium

13.40-14.00 **PRE-LAB SESSION IN AUDITORIUM**

- Presentation of the exercise in training box.

Day 1 - Friday, Sep 26, 2025

14.10 pm EXPERIMENTAL LABORATORY – 2F Meichi & 3F Laboratory

14.10 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY (Training Box)

- Workshops are run in parallel. Participants will have access to all workshops.

3F Laboratory Rotation: 25 mins x 4 stations 【Group 1】 14:10-15:50 【Group 2】 16:10-17:50	SPECIAL STAGES 1. Laparoscopic Painting (15 mins) 2. Medtronic Station (10 mins)	LASTT: 1. Number Camera Navigation 2. Ring Hang-Eye Coordination 3. Pin Bi-Manual Coordination
	Laparoscopic Instrument Manipulation 1. Origami (10 mins) 2. Circle Cutting (15 mins)	ArtiSential
2F Mei Chi Conference Room 100 mins 【Group 2】 14:10-15:50 【Group 1】 16:10-17:50	Laparoscopic Suture – Pad	

17.50 pm End of the day

18.00 pm Shuttlebus from IRCAD-Taiwan to Hotel/ Faculty dinner

Day 2 - Saturday, Sep 27, 2025

08.15 Shuttlebus from Hotel to IRCAD-Taiwan

08.45 am MORNING SESSION – 1F Auditorium

08.45-09.10 AI& Robotic surgery in the future

09.15-09.40 Laparoscopic suturing-training for mastery

09.45-10.10 Laparoscopic intracorporeal GI anastomoses

10.10-10.40 Group Photo @ 1F Cafeteria
Coffee Break

10.40-11.05 Endoscopy: basic principle and collaboration with surgery

11.10-11.35 Complications in surgery: erase the mistake or learn from it

11:40-12:05 Pearls and pitfalls in ultrasound guided central venous access

12.10-13.10 Lunch Break

13.10 AFTERNOON SESSION – 1F Auditorium

13.10-13.30 PRE-LAB SESSION IN AUDITORIUM

- Demonstration of the exercises to be performed.

Day 2 - Saturday, Sep 27, 2025

13.40 pm EXPERIMENTAL LABORATORY – 2F Mei Chi & 3F Laboratory

13.40 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY (Training Box & Live Tissue)

- Workshops are run in parallel. Participants will have access to all workshops.

3F Laboratory Flexible Endoscopy (80 mins) Rotation: 40 mins x 2 stations	1. B.E.S.T. Box (40 mins) 2. Ex-vivo Model (40 mins)
3F Laboratory Ultrasound (80 mins) Rotation: 40 mins x 2 stations	1. Scan (40 mins) 2. Central Line (40 mins)
2F Mei Chi Conference Room Laparoscopic Suture - Ex-vivo Tissue (80 mins)	

17.40 pm End of the day

18.00 pm Shuttlebus from IRCAD-Taiwan to Congress Banquet & Hotel

18.20 pm Congress Banquet

Day 3 - Sunday, Sep 28, 2025

07.50 am Shuttlebus from Hotel to IRCAD-Taiwan

08.20 am MORNING SESSION – 1F Auditorium

Chairmen:

08.20-08.45 Laparoscopic hernia surgery: TEP / TAPP

08.50-09.20 Laparoscopic bariatric surgery

09.25-09.55 Laparoscopic colorectal surgery

10.00-10.20 PRE-LAB SESSION IN AUDITORIUM

Porcine embryology, anatomy, and clinical correlation

Lab rules, demonstrations & procedures to be performed


10.20-10.50 Coffee Break

11.00 EXPERIMENTAL LABORATORY – 3F Laboratory

11.00-13.00 PRACTICAL SESSION IN EXPERIMENTAL LABORATORY (Live Tissue)

 TAPP

 Cholecystectomy

 CBD exploration with T-tube placement

 Small Bowel Resection

 Gastrojejunostomy


 Splenectomy

13.00-14.00 Lunch Break

14.00-17.50 PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

 TAPP

 Cholecystectomy

 CBD exploration with T-tube placement

 Small Bowel Resection

 Gastrojejunostomy

 Splenectomy

18.00 BACK TO 1F AUDITORIUM

WRAP-UP

Delivery of Certificates

End of the course

18.15 Shuttlebus from IRCAD-Taiwan to HSR Taichung Station/Hotel

彰濱秀傳醫療園區地圖 Map of Chang Bing Show Chwan Health Park



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