

PROGRAM

ASIA IRCAD – TAIWAN

INTENSIVE COURSE IN LAPAROSCOPIC GENERAL SURGERY

MARCH 09 - MARCH 13, 2026



Medtronic
Engineering the extraordinary

CHAIRMAN

黃明和 Min-Ho HUANG

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Changhua, Taiwan*

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University Hospital of Strasbourg,
France*

DEAN

黃士維 Wayne Shih-Wei HUANG

*Dean, IRCAD Taiwan/AITS
Show Chwan Memorial Hospital,
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OBJECTIVES

Provide Participants with essential knowledge for Clinical Laparoscopic Applications

- **Fundamental principles:** overview of instruments, materials and equipment along with key laparoscopic techniques
- **Hands-on training:** practical sessions to learn or improve skills in:
 - intra-corporeal suturing and knot tying
 - two-handed coordination for manipulation and dissection
 - safe use of energy and laparoscopic staplers, clips...
- **Outcome and Complication:** discussion of expected results and potential complications of laparoscopic procedures

EDUCATIONAL METHODS

- Interactive didactic and video sessions between faculty and participants
- Live & pre-recorded operative demonstrations
- Supervised hands on training sessions on ex-vivo and live animal models
- Objective assessment of technical skills (OSATS)

Day 1 – Monday

08.10 am Faculty & Participant Shuttlebus from Lugang UNION HOUSE Hotel to IRCAD-Taiwan

08.30 am Registration & Take Photo for Course Booklet

THEORETICAL SESSION – 1F Auditorium

09.00 am **Welcome to participants
& Pre-course evaluation w/voting system**

09.10-10.00 **Basic Principles of Laparoscopic Surgery**

-  Operating room set-up
-  Review of the techniques of access to the peritoneal cavity
-  Trocar characteristics, risks, safe manipulation and positioning

10.00-10.30 **Laparoscopic Suturing**, Sewing, Knot Tying

10.30-10.50 PRE-LAB SESSION IN AUDITORIUM

-  Description of the lab rules

10.50-11.20 Group Photo & Coffee Break (1F Cafeteria)
– Registration for University Diploma at Reception Desk

EXPERIMENTAL SESSION (Option B: Suture – Dry Lab) – 3F Laboratory

Lab Demonstration

11.20-13.20 Hands-On Session on Dry Box – Pad

Training Procedures:

-  Picking up of needle
-  Adjustment of needle angles
-  Driving through the needles right hand / left hand
-  Pulley method
-  Knot tying
-  Right hand only rotation
-  Proper tightening of knot
-  Continuous knot formation

13.20-14.20 Lunch (1F Cafeteria)

THEORETICAL SESSION – 1F Auditorium

14.20-14.50 **Key Equipment for Laparoscopy**

-  Insufflator: operation and safety rules
-  Electrosurgery and UltraSonic devices

14.50-15.10 **08.50-09.10 France (CEST+2)**

How Artificial Intelligence will revolutionize Minimally Invasive Surgery?

EXPERIMENTAL SESSION (Option B: Suture – Dry Lab) – 3F Laboratory

15.15-18.15 Hands-On Session on **Ex-vivo Tissue**

Training Procedures:

-  Gastrojejunostomy
-  Jejunojunostomy

Additional practice if have time:

-  Hernia suture
-  Choledochojejunostomy
-  Pancreaticojejunostomy
-  Bleeding control suture

18.25 pm	End of session Evaluation of the day at reception desk (1F)
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18.25 pm Faculty & Participant Shuttlebus from IRCAD-Taiwan to Congress Dinner

Shuttlebus will drop off at Union House.

Please keep walking & turn left to the dinner restaurant. See map below.

18.50 pm Congress Dinner

Day 2 – Tuesday

07.40 am Faculty & Participant Shuttlebus from Lugang UNION HOUSE Hotel to IRCAD-Taiwan

THEORETICAL SESSION – 1F Auditorium

- 08.00-08.40 **Laparoscopic Hernia Repair**
-  Laparoscopic anatomy of inguinal hernia repair
 -  Rationale of the laparoscopic approach (TAPP, TEP)

LIVE SURGERY – 1F Auditorium

- 08.40-11.00 **LIVE OR PRE-RECORDED OPERATIVE DEMONSTRATIONS**
HERNIA & Cholecystic Surgery

- 11.00-11.30 **Laparoscopic Hernia Repair**
-  Strangulated hernia, postoperative complications, pain

- 11.30-12.00 Coffee Break (1F Cafeteria)

- 12.00-13:00 **Laparoscopic Biliary Surgery**
-  Basic principles of laparoscopic cholecystectomy: critical view of safety
 -  Laparoscopic surgery for acute cholecystitis
 -  Laparoscopic common bile duct exploration

- 13.05-13.35 **07.05-07.35 Belgium (CEST+2)**
Ventral and Incisional hernia: modern strategy

- 13.40-14:00 **PRE-LAB SESSION IN AUDITORIUM**

- 14.00-14.40 Lunch (1F Cafeteria)
– Last day to register for University Diploma at Reception Desk

EXPERIMENTAL SESSION (Option B: Live Tissue) – 3F Laboratory

- 14.40-19.10 Hands-On Session on Live Tissue
OSATS – Technical Skills Evaluation (Initial)

Training Procedures:

-  TAPP inguinal hernia repair
-  Small bowel resection and anastomoses
-  Gastrojejunostomy

- 19.20 End of Session
Participant Shuttlebus from IRCAD-Taiwan to Hotel

This program is subject to modification.

Day 3 – Wednesday

07.40 am Faculty & Participant Shuttlebus from Lugang UNION HOUSE Hotel to IRCAD-Taiwan

THEORETICAL SESSION – 1F Auditorium

Chairmen:

08.00-08.45 **Laparoscopic Surgery for Abdominal Emergencies**

-  Acute appendicitis
-  Bowel, gastric perforation

LIVE SURGERY – 1F Auditorium

08.50-10.20 **LIVE OR PRE-RECORDED OPERATIVE DEMONSTRATIONS**

Liver, Stomach or Gastric Cancer
(cases to be determined)

10.20-10.50 Coffee Break (1F Cafeteria)

Forgut Surgery

10.50-12.05  Surgical treatment of GERD & Hiatal Hernia

-  Achalasia
 - Laparoscopic Heller myotomy
 - Peroral endoscopic myotomy (POEM)

12.10-12.55  Radical Gastrectomy for Cancer

- Total Gastrectomy
- Distal Gastrectomy

13.00-13.45 LUNCH (1F Cafeteria)

EXPERIMENTAL SESSION (Option B: Porcine) – 3F Laboratory

13.45-14.00 PRE-LAB SESSION IN AUDITORIUM

-  Description of the surgical procedures

14.00-18.30 Hands-On Session on Live Tissue

Training Procedures:

-  Gastrojejunostomy-Stapling
-  Fundoplication
-  Cholecystectomy
-  Splenectomy

18.40 End of session
Evaluation of the day at reception desk (1F)

18.40 Faculty & Participant Shuttlebus from IRCAD-Taiwan to Hotel
Evening Free

Day 4 - Thursday

07.40 am Faculty & Participant Shuttlebus from Lugang UNION HOUSE Hotel to IRCAD-Taiwan

THEORETICAL SESSION – 1F Auditorium

Chairmen:

08.00-08.25 Surgical Innovation & Start up

LIVE SURGERY – 1F Auditorium

08.30-10.30 **LIVE OR PRE-RECORDED OPERATIVE DEMONSTRATIONS**

Laparoscopic Colorectal Surgery
(cases to be determined)

10.30-11.00 Coffee Break (1F Cafeteria)

THEORETICAL SESSION – 1F Auditorium

Colorectal Surgery

11.00-12.00  Laparoscopic right and left colectomy
 TME total mesorectal excision in rectal cancer
 Transanal TME and TEM Robotic surgery

12.00-12.30 **Case Report** - Presentation (7 min) + Q&A (3 min)

Thyroid Surgery / Transoral
HPB Surgery: Management of Complications

12.30-13.30 Lunch (1F Cafeteria)

EXPERIMENTAL SESSION (Option B: Porcine) – 3F Laboratory

13.30 Pre-lab

13.45-18.30 Hands-On Session on Live Tissue
OSATS – Technical Skills Evaluation (Final)

Training Procedures *:

 Gastric bypass (handsewn)
 Dissection of the hepatic pedicle
 Partial liver resection
 Liver segmentectomy

*** Strasbourg University Diploma ***

Proficiency Test (Only for enrolled candidates)

 Validating procedure: small bowel resection / anastomoses

18.40 End of session
Evaluation of the day at reception desk (1F)

Day 5 - Friday

07.40 am Faculty & Participant Shuttlebus from Lugang UNION HOUSE Hotel to IRCAD-Taiwan

THEORETICAL SESSION – 1F Auditorium

08.00-08.25 **Bariatric and Metabolic Surgery**

-  Managing weight regain and dumping after GBP: APC, endoscopic sutures or both?

LIVE SURGERY – 1F Auditorium

08.30-10.30 **LIVE OR PRE-RECORDED OPERATIVE DEMONSTRATIONS**

ESG (cases to be determined)

10.30-11.00 Coffee Break (1F Cafeteria)

11.00-12.00 **Bariatric and Metabolic Surgery**

-  Sleeve gastrectomy and Bypass: pros and cons
-  The emerging role of bariatric endoscopy
-  Endoscopic management of bariatric complications: clinical cases discussion

12.05-12.30 **10.05-10.30 India (IST/GMT+5:30)**

-  Precision Bariatrics: A Phenotype-Based Approach to Sleeve Gastrectomy and Gastric Bypass (10 mins)
-  Surgical management of common and difficult complications (10 mins)

12.30-13.30 Lunch (1F Cafeteria)

13.00-13.30 **Strasbourg University Diploma:**

- Proficiency Test (Only for enrolled candidates)
-  Multiple choice questions

THEORETICAL SESSION – 1F Auditorium

13.30-14.00 **ROBOTIC SURGERY OVERVIEW**

14.00-14.30 **Pancreatic Surgery**

-  Enucleation and distal pancreatectomy

14.30-15.00 **THE FUTURE OF SURGERY IS FLEXIBLE**

15.00 pm End of the course

Evaluation of the day & Delivery of certificate of attendance

15.20 pm Participant & Faculty Shuttlebus from IRCAD-Taiwan to Hotel & Taichung HSR Station

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



Restaurant 餐廳 :	Tel 電話 :	Address 地址 :
LeeLi's	+886-4-777-1822	鹿港鎮興化街 40-1 號
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NOTE