

PROGRAM

ASIA IRCAD – TAIWAN

INTENSIVE COURSE IN LAPAROSCOPIC GENERAL SURGERY

MARCH 6 - 10, 2023



PRESIDENT

Jacques MARESCAUX

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University Hospital of Strasbourg, France*

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COURSE DIRECTOR

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*Vice Dean, IRCAD Taiwan/AITS
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Changhua, Taiwan*

OBJECTIVES

- To provide the basic knowledge required for clinical applications
- To describe all the basic principles (instruments, materials, equipment) & present the most used basic laparoscopic techniques
- Hands-on training sessions to learn or improve performance of basic technical tasks in laparoscopic surgery such as intra-corporeal suturing and knots tying techniques, two-hands coordination for dissection, safe use of energy in laparoscopy
- To describe results & potential complications of laparoscopic procedures

EDUCATIONAL METHODS

- Interactive theoretical and video sessions between faculty & course participants
- Live & pre-recorded operative demonstrations

INTERNATIONAL FACULTY

- | | |
|-------------------------------|--------------------------------|
| ✚ Jacques MARESCAUX (France) | ✚ Miguel MENDOZA (Philippines) |
| ✚ Bernard DALLEMAGNE (France) | ✚ Raymond ONG (Philippines) |
| ✚ Silvana PERRETTA (Italy) | ✚ |
| ✚ Sang-Woong LEE (Japan) | |

ONLINE FACULTY

- | | |
|--------------------------------|---|
| ✚ Paolo MICCOLI (Italy) | ✚ |
| ✚ Han-Kwang YANG (South Korea) | |

TAIWAN FACULTY

- | | |
|--------------------------------------|---|
| ✚ 黃士維 Wayne Shih-Wei HUANG – 秀傳紀念醫院 | ✚ 陳自諒 William Tzu-Liang CHEN – 中國醫藥大學新竹附設醫院 |
| ✚ 林忠葦 Charles Chung-Wei LIN – 秀傳紀念醫院 | ✚ 樊修龍 Hsiu-Lung FAN – 三軍總醫院 |
| ✚ 吳鴻昇 James Hurng-Sheng WU – 秀傳紀念醫院 | ✚ 陳德鴻 Te-Hung CHEN – 中國醫藥大學附設醫院 |
| ✚ 李岳聰 Yueh-Tsung LEE – 秀傳紀念醫院 | ✚ 謝慶隆 Ching-Lung HSIEH – 中山醫藥大學附設醫院 |
| ✚ 吳其翔 Jungle Chi-Hsiang WU – 秀傳紀念醫院 | ✚ 廖亭凱 Ting-Kai LIAO – 國立成功大學醫學院附設醫院 |
| ✚ 林建華 Michael Chien-Hua LIN – 秀傳紀念醫院 | ✚ 王森稔 Shen-Nien WANG – 高雄醫學大學附設中和紀念醫院 |
| ✚ 歐金俊 Jing-Jim OU – 秀傳紀念醫院 | ✚ 吳柏宣 Po-Hsuan WU – 高雄醫學大學附設中和紀念醫院 |
| ✚ 李威傑 Wei-Jei LEE – 中國醫藥大學新竹附設醫院 | |

Day 1 - Monday, March 6th, 2023

8.00 am Faculty & Participant Shuttlebus from Lugang Hotel to IRCAD-Taiwan

8.30 am Registration & Take Photo for Course Booklet

THEORETICAL SESSION – 1F Auditorium

| | | |
|-------------|--|---|
| 09.00 am | Welcome to participants | J. MARESCAUX & W. HUANG Chairmen: TBD |
| 09.10-10.00 | Laparoscopic Equipment <ul style="list-style-type: none"> + Organization and laparoscopes, cameras, insufflators... + New imaging modalities + Instruments + Surgical energy: principles and devices for electrosurgery and modern tissue fusion | B. DALLEMAGNE |
| 10.05-10.55 | Basic Principles of Laparoscopic Surgery <ul style="list-style-type: none"> + Operating room set-up + Review of the techniques of access to the peritoneal cavity + Trocars characteristics, risks, safe manipulation and positioning | S. PERRETTA |
| 11.00-11.30 | Coffee Break | |
| 11.30-12.10 | Laparoscopic Suturing , Sewing, Knot Tying | Chairmen: TBD 黃士維 W. HUANG |
| 12.15-12.55 | Laparoscopic Surgery for Abdominal Emergencies <ul style="list-style-type: none"> + Laparoscopy in peritonitis + Acute appendicitis <p>Group Photo (1F Cafeteria)</p> | R. ONG |
| 13.00-13.40 | Lunch | |
| 14.00-14.20 | Pre-Lab Session: <ul style="list-style-type: none"> + Description of the lab rules, anatomy of the animal, and surgical procedures | 林忠葦 C. LIN |

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

14.30-18.30 Hands-On Session on Live Tissue: Animal Lab (Option B: Porcine)

Objectives: Basic principles and techniques

- ✚ Accesses, insufflation, positioning of trocars
- ✚ Exposure – dissection – stitching
- ✚ Tissue approximation, knot tying, and stapling

Training Procedures:

- ✚ Small bowel resection and anastomoses
- ✚ Gastrojejunostomy
- ✚ Cholecystectomy

18.30 pm End of session

18.45 pm Faculty & Participant Shuttlebus from IRCAD-Taiwan to Congress Banquet

19.00 pm Congress Banquet

21.00 pm Faculty & Participant Shuttlebus from Congress Banquet to Lugang Hotel

Day 2 - Tuesday, March 7th, 2023

07.45 am Faculty & Participant Shuttlebus from Lugang Hotel to IRCAD-Taiwan

LIVE SURGERY – 1F Auditorium

| | | |
|-------------|--|----------------------------|
| | | Chairmen: TBD |
| 08.15-08.30 | Evaluation of the previous day | |
| 08.30-10.00 | <u>LIVE OR PRE-RECORDED OPERATIVE DEMONSTRATIONS</u> TAPP & TEP Inguinal Hernia Repair | W. HUANG 吳其翔 J. C.H. WU |
| | ✚ Trans Abdominal Pre-Peritoneal (TAPP) technique | |
| | ✚ Totally Extra Peritoneal (TEP) technique | |

THEORETICAL SESSION – 1F Auditorium

| | | |
|-------------|---|----------------------|
| | | Chairmen: TBD |
| 10.00-10.55 | <u>Laparoscopic Hernia Repair</u> | 黃士維 W. HUANG |
| | ✚ Anatomy and classification of inguinal hernia repair | |
| | ✚ Ventral and incisional hernia: updated indications and techniques | |
| | ✚ Rationale of the laparoscopic approach (TAPP, TEP) | B. DALLEMAGNE |
| 11.00-11.55 | <u>Laparoscopic Biliary Surgery</u> | M. MENDOZA |
| | ✚ Basic principles of laparoscopic cholecystectomy | |
| | ✚ Bile duct injuries: diagnosis and management | |
| | ✚ Tips and tricks for acute cholecystitis | |
| | ✚ Safety in cholecystectomy | |
| | ✚ ICG guidance in biliary surgery | |
| | ✚ Laparoscopic common bile duct exploration | |

12.00-13.00 Lunch

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

| | | |
|-------------|---|------------|
| 13.00-13.20 | Pre-Lab Session: | 林忠葦 C. LIN |
| | ✚ Description of the surgical procedures | |
| 13.30-17.30 | Hands-On Session on Live Tissue: Animal Lab (Option B: Porcine) Training Procedures: | |
| | ✚ TAPP inguinal hernia repair | |
| | ✚ Stapled gastrojejunostomy | |
| | ✚ Dissection of the common bile duct and liver pedicle | |
| | ✚ T-tube insertion – CBD suturing | |
| | ✚ Cholecystectomy | |
| 17.30 | End of session | |
| 17.30 | Faculty Shuttlebus from IRCAD-Taiwan to Faculty Dinner | |

17.45 Participant Shuttlebus from IRCAD-Taiwan to Lugang Hotel
Participant Evening Free

Day 3 - Wednesday, March 8th, 2023

07.45 am Faculty & Participant Shuttlebus from Lugang Hotel to IRCAD-Taiwan

LIVE SURGERY – 1F Auditorium

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|-------------|---|----------------------|
| | | Chairmen: TBD |
| 08.15-08.30 | Evaluation of the previous day | |
| 08.30-10.30 | <u>LIVE OR PRE-RECORDED OPERATIVE DEMONSTRATIONS</u> | |
| | + Laparoscopic hepatectomy | 林忠葦 C. LIN |

THEORETICAL SESSION – 1F Auditorium

| | | |
|-------------|---|----------------------|
| | | Chairmen: TBD |
| | <u>Foregut Surgery</u> | |
| 10.30-11.25 | + Surgery for GERD and hiatal hernia | B. DALLEMAGNE |
| | + Achalasia | S. PERRETTA |
| | ■ Laparoscopic Heller Myotomy | |
| | ■ Per Oral Endoscopic Myotomy (POEM) | |
| | + Partial Gastrectomy: tips and trick | B. DALLEMAGNE |
| | ■ Benign diseases: GIST-Peptic Ulcer disease... | |
| 11.30-12.25 | + Radical gastrectomy for cancer | S.W. LEE |
| | ■ Total gastrectomy | |
| | ■ Distal gastrectomy | |
| | ■ How I do laparoscopic gastrectomy | H.K. YANG |
| | ■ Or How I do robotic gastrectomy | (Online) |
| | ■ Or Fluorescence guided surgery | |

12.30-13.30 Lunch

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

| | | |
|-------------|---|------------|
| 13.30-13.50 | Pre-Lab Session: | 林忠葦 C. LIN |
| | + Description of the surgical procedures | |
| 14.00-18.00 | Hands-On Session on Live Tissue: Animal Lab (Option B: Porcine) | |
| | Training Procedures: | |
| | + Fundoplication | |
| | + Splenectomy | |
| | + Roux-en-Y gastric bypass | |
| | + Choledocojejunostomy | |
| | + Dissection of the hepatic pedicle | |

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| 18.00 | End of session |
| 18.00 | Faculty Shuttlebus from IRCAD-Taiwan to Faculty Dinner |
| 18.15 | Participant Shuttlebus from IRCAD-Taiwan to Lugang Hotel Participant Evening Free |

Day 4 - Thursday, March 9th, 2023

08.55 am Faculty & Participant Shuttlebus from Lugang Hotel to IRCAD-Taiwan

THEORETICAL SESSION – 1F Auditorium

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|-------------|--|----------------------|
| | | Chairmen: TBD |
| 09.25-09.40 | Evaluation of the previous day | |
| 09.40-10.05 | Future of minimally invasive surgery – Imaging, Robotics, and Artificial Intelligence: The 3 weapons of choice to achieve a smart surgery | J. MARESCAUX |
| 10.10-11.05 | <u>Bariatric and Metabolic Surgery</u> ✚ Tailored approach: gastric banding, sleeve gastrectomy, and gastric bypass ✚ Management of common and difficult complications ✚ Endoluminal bariatric surgery | 李威傑 W.J. LEE |
| 11.10-11.40 | Coffee Break | |
| 11.40-12.15 | <u>Pancreatic Surgery</u> ✚ From diagnosis to pancreatectomy | B. DALLEMAGNE |
| 12.20-12.55 | <u>Laparoscopic Hepatic Surgery</u> : a stepwise approach | 林忠葦 C. LIN |
| 13.00-13.55 | Lunch | |
| 14.00-14.20 | Pre-Lab Session: ✚ Description of the surgical procedures | 林忠葦 C. LIN |

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

14.30-18.30 Hands-On Session on Live Tissue: Animal Lab (Option B: Porcine)

Training Procedures:

- ✚ Ileo-caecal dissection and anastomoses
- ✚ Roux-en-Y gastric bypass
- ✚ Partial / total gastrectomy
- ✚ Dissection of the hepatic pedicle

University Diploma: Proficiency Test (enrolled candidates)

✚ Validating procedure: small bowel resection / anastomoses

- 18.30 End of session
- 18.30 Faculty Shuttlebus from IRCAD-Taiwan to Faculty Dinner
- 18.45 Participant Shuttlebus from IRCAD-Taiwan to Lugang Hotel
Participant Evening Free

Day 5 - Friday, March 10th, 2023

07.45 am Faculty & Participant Shuttlebus from Lugang Hotel to IRCAD-Taiwan

LIVE SURGERY – 1F Auditorium

Chairmen: TBD

08.15-08.30 Evaluation of the previous day

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

✚ Laparoscopic colorectal surgery

陳自諒 W. CHEN
& 歐金俊 J.J. OU
(LIVE from Taiwan)

10.30-11.00 Coffee Break

Chairmen: TBD

Colorectal Surgery

- 11.00-11.55 ✚ Surgical techniques, tips and tricks in colectomy
✚ Laparoscopic right and left colectomy
✚ Total Mesorectla Excision (TME) in rectal cancer
✚ Transanal TME and TEM
✚ Prevention and management of complications

陳自諒 W. CHEN

12.00-13.00 **Strasbourg University Diploma Proficiency Test**
(for candidates enrolled for university diploma)

✚ Multiple choice questionnaire

B. DALLEMAGNE
(1F Auditorium)

12.00-13.30 Lunch

THEORETICAL SESSION – 1F Auditorium

Chairmen: TBD

13.30-14.25 France (GMT+1) 06.30-07.25

Endocrine Surgery

- ✚ Mini invasive, robotic, and transoral thyroidectomy and parathyroidectomy
✚ Laparoscopic and robotic adrenalectomy

P. MICCOLI
(Online)

14.30-15.10 **Endo-Gastric Bariatric Surgery**

S. PERRETTA

15.15-15.55 **Emerging role of flexible endoscopy in GI diseases**

S. PERRETTA

16.00 pm End of the course
Delivery of certificate of attendance
And diplomas to successful candidates

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