

PROGRAM

INTENSIVE COURSE ON LAPAROSCOPIC SUTURING AND LIVE ANIMAL WORKSHOP

OCTOBER 15 - 17, 2021
ASIA IRCAD - TAIWAN



CHAIRMAN

Min-Ho HUANG

Show Chwan Memorial Hospital
Changhua, Taiwan



COURSE DIRECTOR

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OBJECTIVES

- To safely introduce and pick up a 3/8ths curved needle in an appropriate position to make a bite through tissue
- To handle the needle to quickly adjust to desired angles
- To pass a needle and suture through tissues at suitable depth, angle, and distance for interrupted and continuous suturing
- To tie a safe laparoscopic surgeon's knot
- To create a laparoscopic tumbled square knot
- To demonstrate continuous suturing, maintaining tension and completing the suture line safely.
- To be able to apply the techniques to various clinical situations, such as bariatric surgery, hepatopancreatobiliary surgery, or colorectal surgery
- To gain experience in live animal general laparoscopic procedures

EDUCATIONAL METHODS

- Didactic lectures, video presentations, intensive hands-on training with expert guidance on training box, simulation models, ex-vivo porcine tissues on first and second day, and live animal tissue on the third day.

INTERNATIONAL FACULTY

✚ Seki YOSUKE (Japan)
(videoconference)

✚ Paolo PORCIUNCULA (Philippines)
(videoconference)

TAIWAN FACULTY

李旻憲 Min-Hsien LEE – Taiwan

李依軒 Yi-Hsuan LEE – Taiwan

陳秉澤 Ping-Tze CHEN – Taiwan

黃敦頌 Tun-Sung HUANG – Taiwan

蘇峻民 Jimmy Chun-Min SU – Taiwan

周書正 Shu-Cheng CHOU – Taiwan

蘇炳睿 Ping-Jui SU – Taiwan

陳信安 Hsin-An CHEN – Taiwan

魏晉弘 Chin-Hung WEI – Taiwan

郭信宏 Hsin-Hung KUO – Taiwan

洪肇謙 Chao-Chien HUNG – Taiwan

陳德鴻 Der-Hung CHEN – Taiwan

張博智 Po-Chih CHANG – Taiwan

樊修龍 Hsiu-Lung FAN – Taiwan

周宗慶 – Taiwan

莊樹宏 Shu-Hung CHUANG – Taiwan

許倍豪 Bei-Hao SHIU – Taiwan

周易章 Yi-Wei CHOU – Taiwan

楊明勳 Ming-Hsun YANG – Taiwan

Friday, October 15th - 2021

08.00 am Registration

08.20 am Welcome to Participants & Introduction of the Faculty

08.40-10.45 am THEORETICAL SESSION

Chairman: TBD

08.40-09.05	Needle manipulation techniques and theory (video conference)	H.H KUO 郭信宏
09.05-09.30	Theory and geometry of the laparoscopic stitch (video conference)	Paolo PORCIUNCULA
09.30-09.55	Port placement & ergonomic considerations for laparoscopic suturing	H.L FAN 樊修龍
09.55-10.20	Extra corporeal knotting techniques and Roeder's knot	J. SU 蘇峻民
10.20-10.45	How to practice for efficient training for laparoscopic suturing	W. HUANG 黃士維

10.45-11.00 am 30' BREAK

11.00-13.00 pm HANDS-ON SESSION - Dry box (2 hours) One participant per station

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| <ul style="list-style-type: none"> ● Warm up (5 min) ● Pre-test (10 min) ● Picking up of needle (10 min) <ul style="list-style-type: none"> ➢ Press-down technique ➢ Lift string technique ➢ Pronation technique ● Adjustment of needle angles (20 min) <ul style="list-style-type: none"> ➢ Dancing needle technique ➢ One hand manipulation ➢ Two hand technique | <ul style="list-style-type: none"> ● Driving through the needles right hand/left hand (10 min /10 min) ● Pulley method (5 min) ● Knot tying (20 min) <ul style="list-style-type: none"> ➢ Near short end ➢ Make long end parallel to needle holder ➢ Right hand only rotation ➢ Proper tightening of knot ➢ Continuous knot formation |
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13.00-14.00 pm LUNCH BREAK

14.00-17.30 pm HANDS-ON SESSION - Dry box (3.5 hours) One participant per station

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| <ul style="list-style-type: none"> ● Knot tying-continue from morning (30 min) ● Slip knot (20 min) ● Extracorporeal suture (10 min) ● Roeder's knot (10 min) ● Continuous suture (30 min) ● Left hand suture (10 min) | <ul style="list-style-type: none"> ● Extreme wheel suture (30 min) ● Baseball stitch (20 min) ● Glove stitch (30 min) ● Back hand stitch (20 min) |
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17.30-18.00 pm Debriefing

18.00 pm END OF THE DAY

Saturday, October 16th - 2021

08.30-09.50 am THEORETICAL SESSION

Chairman: TBD

- How I do it, tips and tricks for suturing in:
- 08.30-08.55** Gastrojejunostomy and Jejunojejunostomy (*video conference*)
- 08.55-09.20** Choledochojejunostomy and Pancreaticojejunostomy
- 09.20-09.45** TBD
- 09.45-10.10** Partnering with Medtronic – Suture

Seki Yosuke
D.H CHEN 陳德鴻
M.H YANG 楊明勳
Medtronic Rep

10.10-10.30 am BREAK

10.30-12.30 pm HANDS-ON SESSION – Ex-vivo porcine tissue practice (2 hours) Two participants per station

- Closure of gastrostomy
- Jejunojejunostomy

12:30-13:30 pm LUNCH BREAK

13.30-17.30 pm HANDS-ON SESSION – Ex-vivo porcine tissue practice (4 hours) Two participants per station

- Gastrojejunostomy (60 min)
- Jejunojejunostomy (60 min)
- T-tube placement and suturing of CBD (30 min)
- Choledochojejunostomy (45 min)
- Pancreaticojejunostomy (45 min)

17.30 pm END OF THE DAY

Sunday, October 17th - 2021

08.30-9.00 am **Prelab: Description of the procedures to be performed (at 1F Auditorium)**

09.00-12.00 pm **HANDS-ON SESSION – Live animal practice (3 hours) Two participants per station**

- Cholecystectomy
- Small bowel resection and anastomosis
- Gastrojejunostomy
- Nissen Fundoplication
- Gastrectomy
- Splenectomy

12:30-13:30 pm **LUNCH BREAK**

13.00-13.30 pm **Prelab: Description of the procedures to be performed (at 3F Lab)**

13.30-16.30 pm **HANDS-ON SESSION – Live animal practice (3 hours) Two participants per station**

- TAPP hernia repair
- Common Bile Duct Exploration and T-tube insertion
- Dissection of Hepatic pedicle
- Roux-en-Y Hepaticojejunostomy
- Nephrectomy

15.30-17.00 pm **Post-test**

17.00 pm **END OF THE SESSION**
DELIVERY OF CERTIFICATE OF ATTENDANCE