

PROGRAM

INTENSIVE COURSE ON LAPAROSCOPIC SUTURING AND LIVE ANIMAL WORKSHOP OCTOBER 9-11, 2020



CHAIRMAN

MH. Huang

*Show Chwan Memorial Hospital
Changhua, Taiwan*

COURSE DIRECTOR

Wayne

Shih-Wei HUANG

*Show Chwan Memorial
Hospital
Changhua, Taiwan*

OBJECTIVES

At the end of this course each student should be able to:

- Safely introduce and pick up a 3/8ths curved needle in an appropriate position to make a bite through tissue.
- Handle the needle to quickly adjust to desired angles
- Pass a needle and suture through tissues at suitable depth, angle, and distance for interrupted and continuous suturing
- Tie a safe laparoscopic Surgeon's knot
- Create a laparoscopic tumbled square knot
- Demonstrate continuous suturing, maintaining tension and completing the suture line safely.
- Be able to apply the techniques to various clinical situations, such as bariatric surgery, hepatopancreasbiliary surgery, or colorectal surgery
- 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.

FACULTY

Paolo PORCIUNCULA – Philippine
Min-Hsien LEE 李旻憲 –Taiwan
Hsien-Chieh CHIU 邱顯傑 –Taiwan
Yu-Yin LIU 劉毓寅 –Taiwan
Hsin-Hong KUO 郭信宏 –Taiwan
Ping-Tze CHEN 陳秉澤 –Taiwan
Tun-Sung HUANG 黃敦頌 –Taiwan
Chun-Min SU 蘇峻民 –Taiwan
Chao-Chien HUNG 洪肇謙 –Taiwan
Ping-Jui SU 蘇炳睿 –Taiwan

Der-Hung CHEN 陳德鴻 –Taiwan
Po-Chih CHANG 張博智 –Taiwan
Kuanh-Sin LING 關心羚 –Taiwan
Shu-Cheng CHOU 周書正 –Taiwan
Bei-Hao SHIU 許倍豪 –Taiwan
Ming-Hsun YANG 楊明勳 –Taiwan
Chin-Hung WEI 魏晉弘 –Taiwan
Khay-Seng SOH 蘇啟成 –Taiwan
Tun-Pang CHU 朱敦邦 –Taiwan
Chia-Yuan HSU 許家源 –Taiwan

Friday, October 9th - 2020

08.00 am Registration/Welcome to participants and Introduction of the Faculty

08.30-10.30 am Lecture Topics

08.30-08.50	How to practice for efficient training for laparoscopic suturing	Wayne HUANG
08.50-09.10	Theory and geometry of the laparoscopic stitch (<i>video conference</i>)	Paolo PORCIUNCULA
09.10-09.30	Port placement & ergonomic considerations for laparoscopic suturing	Min-Hsien LEE
09.30-09.50	Interrupted and continuous suturing techniques	Po-Chih CHANG
09.50-10.10	Needle manipulation techniques and theory	Hsin-Hong KUO
10.10-10.30	Extra corporeal knotting techniques and Roeder's knot	Chun-Min SU

10.30-11.00 30' BREAK

11.00-12.30 Outline of Practical session Dry box(1.5 hours) One participant per station

- Warm up (5 minutes)
- Pre-test (10 minutes)
- Picking up of needle (10 minutes)
 - *Press-down technique*
 - *Lift string technique*
 - *Pronation technique*
- Adjustment of needle angles (20 minutes)
 - *Dancing needle technique*
 - *One hand manipulation*
 - *Two hand technique*
- Driving through the needles right hand/left hand (10 minutes/10 minutes)
- Pulley method (5 minute)
- Knot tying (20 minutes)
 - *Near short end*
 - *Make long end parallel to needle holder*
 - *Right hand only rotation*
 - *Proper tightening of knot*
 - *Continuous knot formation*

Lunch break 12.30-13.30

13.30-17.00 Dry box(3.5 hours) One participant per station

- Knot tying-continue from morning (30 minutes)
- Slip knot (20 minutes)
- Extracorporeal suture (10 minutes)
- Roeder' s knot (10 minutes)
- Continuous suture (30 minutes)
- Left hand suture (10 minutes)
- Extreme wheel suture (30 minutes)
- Baseball stitch (20 minutes)
- Glove stitch (30 minutes)
- Back hand stitch (20 minutes)

16.30-17.00 pm Debriefing

17.00 pm END OF THE SESSION

17.30 pm Dinner Banquet

Saturday, October 10th - 2020

08.30-10.30 am Lecture Topics

08.30-08.50	➤ How I do it, tips and tricks for suturing in: Gastrojejunostomy and Jejunojejunostomy	<i>Po-Chih CHANG</i>
08.50-09.10	Hiatal hernia repair	<i>Yu-Yin LIU</i>
09.10-09.30	CBD exploration with primary closure/T-tube placement	<i>Ming-Hsun YANG</i>
09.30-09.50	Choledochojejunostomy and Pancreaticojejunostomy	<i>Der-Hung CHEN</i>
09.50-10.10	Hernia Surgery	<i>Ming-Hsun YANG</i>
10.10-10.30	Laparoscopic gastropexy for large breed dogs	<i>Hsien-Chieh CHIU</i>

10.30-11.00 30' BREAK**11.00-12.30 Ex Vivo Porcine tissue practice-two participants per station (1.5 hours)**

- Closure of gastrostomy (30 minutes)
- Jejunojejunostomy (60 minutes)

Lunch break 12:30-13:30**13.30-17.30 pm Ex Vivo Porcine tissue practice-two participants per station (4 hours)**

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

17.30 pm END OF THE SESSION

Sunday, October 11th - 2020

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

09.00-12.00 am **Live-animal practice 2 participants per station**

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

Lunch break 12:00-13:00

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

13.30-16.30 pm **Live-animal practice 2 participants per station**

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

16.30-17.00 pm **Post-test, Awards Ceremony (most-improved award, fastest-time award)**

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