

# NTCVCA X IRCAD X TAVES

## VETERINARY BASIC LAPAROSCOPIC COURSE

DECEMBER 16-17, 2021

ASIA IRCAD – TAIWAN



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### COURSE OBJECTIVES

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- *To prepare the veterinaries 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 or 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 the results and potential complications of laparoscopic procedures*

### TARGET AUDIENCE

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*Surgeons in training who wish to solidify knowledge on basic principles and theories behind laparoscopic surgery, including instrumentation, ergonomics, technical skills, on comprehensive but fundamental fields such as emergency, pediatric, endoscopy, biliary, trauma surgery*

## FACULTY

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- ✚ 蘇峻民 Jimmy Chun-Min SU (彰化秀傳紀念醫院)
- ✚ 李岳聰 Yueh-Tsung LEE (彰濱秀傳紀念醫院)
- ✚ 黃士維 Wayne HUANG (彰濱秀傳紀念醫院)
- ✚ 黃漢斌 Hon-Phin WONG (彰化秀傳紀念醫院)
- ✚ 張益福 Yi-Fu CHANG (梅西動物醫療中心)
- ✚ 武敬和 Ching-Ho WU (台大動物醫院)
- ✚ 李依軒 Yi-Hsuan LEE (左岸動物醫院)
- ✚ 謝青峰 Chin-Fong HSIEH (青亞動物醫院)
- ✚ 張詠舜 Yung-Shun CHANG (汎亞動物醫院)
- ✚ 許志全 Chih-Chuan HSU (愛心動物醫院)
- ✚ 羅致宇 Chih-Yu LUO (羅大宇動物醫院)
- ✚ 孫榮賢 Jung-Shien SUN (梅西動物醫療中心)
- ✚ 毛嘉慶 (康乃爾動物醫院)

# Day 1 - Thursday, December 16, 2021

08.30 am – Registration

## 09.00 am MORNING SESSION (1F)

**Chairmen** : 劉彥杰 LIU, YEN-CHIEH · 李岳聰 Yueh-Tsung LEE

09.00 am **OPENING SESSION IN AUDITORIUM** 黃士維 Wayne HUANG  
Welcome to Participants

09.20 am - 09.40 am History and evolution of MIS 黃漢斌 Hon-Phin WONG

09.45 am – 10.15 am Organization and Equipment: Storz Rep  
laparoscopes, cameras, insufflators,  
instruments

10.20 am – 10.50 am Complication in laparoscopic surgery 張益福 Yi-Fu CHANG

10.55 am – 11.15 am Basic principles of laparoscopic surgery: 武敬和 Chien-Ho WU  
- Operating room setup  
- Methods of access to the peritoneal cavity

## 11.20 am - 11.40 am Coffee Break

**Chairmen** : 張詠舜 Yung-Shun CHANG · 黃士維 Wayne HUANG

11.40am - 12.00 am Minimal Invasive Surgery in Veterinary 李岳聰 Yueh-Tsung LEE  
Medicine: What Can We Do? Clinical  
Application from Human Doctor's Point of  
View

12.05am – 12.25 am Laparoscopy in veterinary spay/neuter 李依軒 Yi-Hsuan LEE  
surgery

12.30am – 12.50 am Anesthetic implications of abdominal 謝青峰 Chin-Fong HSIEH  
insufflation

## 12.50 pm - 13.50 pm Lunch Break

## 13.50 pm AFTERNOON SESSION (3F)

13.50 pm **PRE-LAB SESSION IN AUDITORIUM** 黃漢斌 Hon-Phin WONG

- Demonstrations of the exercises to be performed

## 14.20 pm EXPERIMENTAL LABORATORY – Training Box

✧ Practice basic laparoscopic skills

14.30 - 17.00 30 Min/ Station	<b>(1) Laparoscopic Instruments Manipulation (I):</b> Circular Cutting Bean snatch	<b>(2) Laparoscopic Origami</b>
	<b>(3) LASTT:</b> Number Camera Navigation Ring Hand-Eye Coordination Pin Bi-Manual Coordination	<b>(4) Laparoscopic Painting</b>
	<b>(5) Laparoscopic Instruments Manipulation(II):</b> Needle Guidance Peg Transfer	

17.00pm **End of the course**

## Day 2 - Friday, December 17, 2021

### 09.00 am MORNING SESSION (1F)

**Chairmen** : 張益福 Yi-Fu CHANG · 黃士維 Wayne HUANG

09.00 am – 09.30 am	Surgical energy: principles and devices Equipment for minimally invasive surgery	Medtronic Rep
09.35 am – 10.15 am	Laparoscopic surgery in Vet general practice	邱顯傑 Hsien-Chieh CHIU
10.20 am – 10.40 am	Lap-cystoscopy	許志全 Chih-Chuan HSU
10.45 am – 11.05 am	How to practice for efficient training for laparoscopic suturing	黃士維 Wayne HUANG
11.10 am – 11.30 am	Extra corporeal knotting techniques and Roeder's knot	蘇峻民 Jimmy SU

### 11.40 pm – 13.00 pm Lunch Break

### 13.05 pm AFTERNOON SESSION (1F)

#### 13.05 pm EXPERIMENTAL LABORATORY –Training Box (Dry Lab)

- Warm up
- Picking up of needle
  - *Press-down technique*
  - *Lift string technique*
  - *Pronation technique*
- Adjustment of needle angles
  - *Dancing needle technique*
  - *One hand manipulation*
  - *Two hand technique*
- Driving through the needles right hand/left hand
- Pulley method
- Knot tying
  - *Near short end*
  - *Make long end parallel to needle holder*
  - *Right hand only rotation*
  - *Proper tightening of knot*
  - *Continuous knot formation*
- Knot tying-continue from morning
- Slip knot
- Extracorporeal suture
- Roeder 's knot
- Continuous suture
- Left hand suture

17.30 pm Delivery of the certificates of attendance (1F)

17.30 pm End of the course