

IRCAD X TAVES

VETERINARY FUNDAMENTAL LAPAROSCOPIC SURGERY COURSE

DECEMBER 16-17, 2022

ASIA IRCAD – TAIWAN



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COURSE OBJECTIVES

- 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

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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|--|---------------------------------|
| ✚ 黃士維 Wayne HUANG (彰濱秀傳紀念醫院) | ✚ 武敬和 Ching-Ho WU(台大動物醫院) |
| ✚ 李岳聰 Yueh-Tsung LEE (彰濱秀傳紀念醫院) | ✚ 李依軒 Yi-Hsuan LEE (左岸動物醫院) |
| ✚ 林忠葦 Charles Chung-Wei LIN (彰濱秀傳紀念醫院) | ✚ 謝青峰 Chin-Fong HSIEH (青亞動物醫院) |
| ✚ 蘇峻民 Jimmy Chun-Min SU(彰化秀傳紀念醫院) | ✚ 張詠舜 Yung-Shun CHANG (汎亞動物醫院) |
| ✚ 陳浥珩 Yi-Heng CHEN (彰化秀傳紀念醫院) | ✚ 許志全 Chih-Chuan HSU (愛心動物醫院) |
| ✚ 邱顯傑 Hsien-Chieh CHIU(左岸動物醫院) | ✚ 羅致宇 Chih-Yu LUO (羅大宇動物醫院) |
| ✚ 張益福 Yi-Fu CHANG (梅西動物醫療中心) | ✚ 孫榮賢 Jung-Shien SUN (梅西動物醫療中心) |
| ✚ 劉彥杰 Yen-Chieh Liu (東南動物醫院) | ✚ 毛嘉慶 Chia-Ching MAO (康乃爾動物醫院) |

Day 1 - Friday, December 16, 2022

08.30 am – Registration

09.00 am MORNING SESSION (1F)

Chairmen : 劉彥杰 Yen-Chieh Liu · 李岳聰 Yueh-Tsung LEE

09.00 am	OPENING SESSION IN AUDITORIUM Welcome to Participants	林忠韋 Charles Chung-Wei LIN
09.20 am - 09.45 am	Basic principles of laparoscopic surgery: - Operating room setup - Methods of access to the peritoneal cavity	毛嘉慶 Chia-Ching MAO
09.50 am – 10.15 am	Organization and Equipment: laparoscopes, cameras, insufflators, instruments	Storz Rep
10.20 am – 10.45 am	Partnering with Medtronic : principles and devices	Medtronic Rep
10.50 am – 11.15 am	Minimal Invasive Surgery in Veterinary Medicine: What Can Do? Clinical Application from Human Doctor's Point of View	李岳聰 Yueh-Tsung LEE

11.20 am- 11.40 am Coffee Break

Chairmen : 張詠舜 Yung-Shun CHANG · 邱顯傑 Hsien-Chieh CHIU

11.40 am – 12.05 pm	Laparoscopy in veterinary spay/neuter surgery	李依軒 Yi-Hsuan LEE
12.10 pm – 12.35 pm	Anesthetic implications of abdominal insufflation	謝青峰 Chin-Fong HSIEH
12.40 pm – 13.05 pm	Extra corporeal knotting techniques and Roeder's knot	蘇峻民 Jimmy SU

13.05 pm – 14.00 pm Lunch Break

14.00 pm AFTERNOON SESSION (3F)

14.00 pm PRE-LAB SESSION IN AUDITORIUM 林忠韋 Charles Chung-Wei LIN

- Demonstrations of the exercises to be performed

14.20 pm EXPERIMENTAL LABORATORY – Training Box

- ✧ Practice basic laparoscopic skills

14.30 - 17.10 30 Min/ Station	(1) Special Stage Laparoscopic Painting DARWIN 3D endoscopic system	(2) Shape Cutting
	(3) Laparoscopic Instruments Manipulation (I): Bean snatch Laparoscopic Origami	(4) Laparoscopic Instruments Manipulation(II): Needle Guidance Peg Transfer
	(5) LASTT: Number Camera Navigation Ring Hand-Eye Coordination Pin Bi-Manual Coordination	

17.10pm End of the day

Day 2 - Saturday, December 17, 2022

09.00 am MORNING SESSION (1F)

Chairmen : 張益福 Yi-Fu CHANG · 邱顯傑 Hsien-Chieh CHIU

09.00 am – 9.25 am	How to practice for efficient training for laparoscopic suturing	黃士維 Wayne HUANG
9.30 am – 10.30 am	Laparoscopic surgery in Vet general practice	邱顯傑 Hsien-Chieh CHIU
10.40 am – 11.10 am	Complication in laparoscopic surgery	張益福 Yi-Fu CHANG
11.15 am – 11.40 am	Laparoscopic Gastropexy	武敬和 Ching-Ho WU

11.45 am – 13.00 pm Lunch Break

13.00 pm AFTERNOON SESSION (1F)

13.00 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

15.00 pm Coffee Break

15.30 pm EXPERIMENTAL LABORATORY –Training Box (Dry Lab)

- 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

17.00pm Delivery of the certificates of attendance (1F)

17.10pm End of the course