

PROGRAM

The Masterclass of Robotic Liver Resection

達文西肝臟手術進階課程

April 27-28, 2026



DEAN

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INVITED FACULTY



Iswanto Sucandy (USA)
AdventHealth Tampa



林忠葦 Charles Chung-Wei LIN (TW)
Show Chwan Memorial Hospital

OBJECTIVES

- To cover a broad spectrum of surgical procedures in robotic hepatic surgery
- To provide indications for robot-assisted surgical treatments and discuss operative demonstrations
- To gain knowledge of the robotic platform prerequisites and specificities required to safely use and operate the robotic surgical platform
- To define the role of robotics, its strengths and weaknesses in current hepatic surgery practice
- To provide hands-on sessions to improve skills in robotic surgery through practice on live tissue under expert tutorial

EDUCATIONAL METHODS

- Interactive theoretical sessions between faculty and course participants
- Pre-recorded operative demonstrations
- Hands-on session in liver surgery training on porcine or caprine model under expert tutor



TRSA
台灣機器人手術醫學會

本課程為台灣機器人手術醫學會認證之動物實驗進階課程。

This course is certified by Taiwan Robotic Surgery Association.

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April 27th-28th, 2026

交通車時刻表 Shuttlebus

出發時間 Departure Time	路線 Route
April 27, 2026 (星期一 Monday)	
12:00	台中烏日高鐵站 → 彰濱秀傳微創手術中心 Taichung High Speed Rail Station → IRCAD-Taiwan 吳佳思 JIASI WU / Tel : +886-973-130-502
18:00	彰濱秀傳微創手術中心 → 鹿港永樂酒店 IRCAD-Taiwan → Union House Lukang
April 28, 2026 (星期二 Tuesday)	
08:40	鹿港永樂酒店 → 彰濱秀傳微創手術中心 Union House Lukang → IRCAD-Taiwan
18:15	彰濱秀傳微創手術中心 → 鹿港永樂酒店 → 台中烏日高鐵站 IRCAD-Taiwan → Union House Lukang → Taichung High Speed Rail Station  高鐵接駁車將從 IRCAD直接出發，請您於早上退房後，將行李一併帶至 IRCAD 報到。 *The HSR shuttle will depart directly from IRCAD-Taiwan. Please check out of your hotel in the morning and bring your luggage with you to IRCAD.

* 微創中心課程負責人 Course Manager 陳亭仔 Vanessa +886-4-781-2988/ +886-925-182-525

* One-way trip around 40-60 mins. 車程：約40-60分鐘

* Parking is available by IRCAD Taiwan, please kindly collect parking ticket from our front desk.

自行開車者，可將車輛停放於醫院內停車格，於課程結束後至櫃檯領取免費停車卷。

* If taxi is needed, please let us know ahead of time. 需要計程車接送者，請提前告知我們工作人員，方便為您安排。

台中站一樓平面圖



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April 27-28, 2026

Day 1, April 27 th , 2026 (星期一 Monday)		
Time	Topic	Speaker
12:00	Shuttlebus: Taichung HSR Station → IRCAD Taiwan	
13:00-13:30	Registration & Course Introduction <ul style="list-style-type: none"> ➤ Participant registration ➤ Welcome and faculty introduction ➤ Course objectives and expected outcomes ➤ Overview of robotic liver surgery training pathway 	All Faculties
13:00- 18:00	Fundamentals, Strategy & Video-Based Learning	
13:30-14:15	Lecture 1: Robotic Platform & Operating Room Setup for Liver Surgery <ul style="list-style-type: none"> ➤ Robotic system components and instrumentation ➤ Port placement strategies for hepatic resections ➤ Patient positioning and docking techniques Team coordination and workflow optimization 	I. SUCANDY
14:15-15:00	Lecture 2: Principles of Robotic Liver Surgery <ul style="list-style-type: none"> ➤ Evolution of minimally invasive liver surgery ➤ From laparoscopic to robotic liver resection ➤ Advantages and limitations of the robotic approach Learning curve and training requirements 	C. LIN
15:00- 15:15	Coffee Break	
Time	Topic	Speaker

15:15-16:15	Video-Based Learning 1: Step-by-step liver resection <ul style="list-style-type: none">➤ Port placement and patient position➤ Hepatic hilum preparation / dissection for inflow control➤ Preoperative imaging interpretation and Intraoperative ultrasound➤ Liver parenchymal transection➤ Partial liver resections, left lateral sectionectomy	C. LIN
16:15-17:15	Video-Based Learning 2: Standardized major liver resection <ul style="list-style-type: none">➤ Major hepatectomies (overview and key steps)➤ Parenchymal transection techniques➤ Hemostasis and bile leak prevention➤ Management of intraoperative challenges	I. SUCANDY
17:15 – 17:45	<ul style="list-style-type: none">➤ Interactive Case Discussion & Q&A➤ Case-based discussion using real operative scenarios➤ Faculty tips, tricks, and troubleshooting➤ Preparation and objectives for hands-on animal lab	All Faculties
18:00	Shuttlebus: IRCAD Taiwan → Union House Lukang	
Day 2, April 28th, 2026 (星期二 Tuesday)		
Time	Topic	Speaker
08:40	Shuttlebus: Union House Lukang → IRCAD Taiwan	
09:00-18:00	Hands-On Robotic Liver Surgery (Pig/Goat Model)	
09:00–09:30	Orientation & Safety Briefing <ul style="list-style-type: none">➤ Animal lab regulations and biosafety➤ Ethical considerations and animal handling➤ Goat liver anatomy: similarities and	All Faculties

	<div>differences to human liver</div> <div>➤ Overview of planned procedures</div>	
09:30–10:00	<div>Robotic System Setup & Docking Practice</div> <div>➤ Patient positioning for hepatic surgery</div> <div>➤ Port placement on goat model</div> <div>➤ Docking techniques and ergonomic considerations</div>	
10:00–13:00	<div>Hands-on Session 1: Core Robotic Hepatic Skills</div> <div>➤ Console familiarization and camera control</div> <div>➤ Liver mobilization techniques</div> <div>➤ Inflow control (Pringle maneuver and left pedicle isolation)</div> <div>➤ Rubber band technique for liver traction</div> <div>➤ Parenchymal transection</div> <div>➤ Bleeding control and suturing of hepatic tissue</div>	
13:00-14:00	Lunch Break	
14:00- 17:30	<div>Hands-on Session 2: Procedure-Oriented Robotic Liver Resection</div> <div>➤ Robotic partial liver resection</div> <div>➤ Vascular and biliary structure identification</div> <div>➤ Exposure of middle hepatic vein</div> <div>➤ Left hemi-hepatectomy</div>	All Faculties
17:30- 18:00	<div>Performance Review & Feedback</div> <div>➤ Review of technical and cognitive learning points</div> <div>➤ Discussion of common pitfalls and complication management</div> <div>➤ Participant feedback and evaluation</div> <div>➤ Certificate of completion</div>	
18:15	Shuttlebus: IRCAD Taiwan → Taichung HSR Station	

Lectures in 2F 濬源會議室 Junn-Yuan Conference Room/ Lab in 3F 實驗室 VIP & OR1
The course will be using Da Vinci XI system

Program subject to modification