

# 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



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.

# The Masterclass of Robotic Liver Resection

## 達文西肝臟手術進階課程

April 27<sup>th</sup>-28<sup>th</sup>, 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。



# The Masterclass of Robotic Liver Resection

## 達文西肝臟手術進階課程

April 27-28, 2026

Day 1, April 27<sup>th</sup>, 2026 (星期一 Monday)

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

Program subject to modification

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

	<p>differences to human liver</p> <ul style="list-style-type: none"> <li>➤ Overview of planned procedures</li> </ul>	
09:30–10:00	<p><b>Robotic System Setup &amp; Docking Practice</b></p> <ul style="list-style-type: none"> <li>➤ Patient positioning for hepatic surgery</li> <li>➤ Port placement on goat model</li> <li>➤ Docking techniques and ergonomic considerations</li> </ul>	
10:00–13:00	<p><b>Hands-on Session 1: Core Robotic Hepatic Skills</b></p> <ul style="list-style-type: none"> <li>➤ Console familiarization and camera control</li> <li>➤ Liver mobilization techniques</li> <li>➤ Inflow control (Pringle maneuver and left pedicle isolation)</li> <li>➤ Rubber band technique for liver traction</li> <li>➤ Parenchymal transection</li> <li>➤ Bleeding control and suturing of hepatic tissue</li> </ul>	
13:00-14:00	<b>Lunch Break</b>	
14:00- 17:30	<p><b>Hands-on Session 2: Procedure-Oriented Robotic Liver Resection</b></p> <ul style="list-style-type: none"> <li>➤ Robotic partial liver resection</li> <li>➤ Vascular and biliary structure identification</li> <li>➤ Exposure of middle hepatic vein</li> <li>➤ Left hemi-hepatectomy</li> </ul>	All Faculties
17:30- 18:00	<p><b>Performance Review &amp; Feedback</b></p> <ul style="list-style-type: none"> <li>➤ Review of technical and cognitive learning points</li> <li>➤ Discussion of common pitfalls and complication management</li> <li>➤ Participant feedback and evaluation</li> <li>➤ Certificate of completion</li> </ul>	All Faculties
18:15	<b>Shuttlebus: IRCAD Taiwan → Taichung HSR Station</b>	

**Lectures in 2F 濱源會議室 Junn-Yuan Conference Room/ Lab in 3F 實驗室 VIP & OR1**

**The course will be using Da Vinci XI system**