



**ircad**  
Taiwan



# BASIC COURSE IN LAPAROSCOPIC UROLOGICAL SURGERY

20  
26 **10.15**

## **INVITED FACULTIES**

- *Jeremy TEOH (HK)*
- *Nikhil VASDEV (UK)*
- *Tiong Ho Yee (SG)*
- *Lee Lui Shiong (SG)*
- *Jose-Vicente T. PRODIGALIDAD (PH)*

# 2026

**8:20 am** ◦ **WELCOME TO PARTICIPANTS**

**8:30 am** • **THEORETICAL SESSION**

- Basics in laparoscopic surgery in urology
- Laparoscopic total nephrectomy transperitoneal approach: How I do it?
- Laparoscopic total nephrectomy retroperitoneal approach: How I do it?

**10:30 pm** ◦ **COFFEE BREAK**

**11:00 am** • **THEORETICAL SESSION**

- Laparoscopic nephroureterectomy: Step by step illustration
- Laparoscopic Pyeloplasty: Step by step illustration
- Other laparoscopic procedures: Ureterolithotomy, pyeloplasty, bladder diverticulectomy and more...

**12:30 pm** ◦ **GROUP PHOTO & LUNCH**

**1:30 pm** • **HANDS-ON SESSION ON PORCINE**

- Laparoscopic demonstrations: suturing and knot tying techniques
- Laparoscopic total nephrectomy
- Laparoscopic pyeloplasty / nephroureterectomy / bladder diverticulectomy

**6:00 pm** ◦ **WRAP-UP & EVALUATION**

**6:15 pm** ◦ **END OF COURSE**



# BASIC COURSE

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**OPTIONS  
A/B**

A: LECTURES ONLY  
B: ANIMAL LAB

## **OBJECTIVES**

- Provide the basic knowledge required for clinical applications
- Describe all the basic principles (instruments, materials, anesthesia equipment) and present the most widely used basic laparoscopic urologic techniques
- Provide hands-on training sessions to learn or improve performance of basic technical tasks in laparoscopic urologic surgery
- Describe results and potential complications of laparoscopic procedures
- Present the technical evolution of laparoscopy (3D, robotic approach for laparoscopic instruments, AI) and the place of robotic assistance for urologic surgical operation

## **METHODS**

- Interactive theoretical and video sessions between faculty and course participants
- Live and pre-recorded operative demonstrations (semi-live)
- Practical (hands-on) training on live tissue

For any questions, please feel free to contact us | Email: [register@ircadtaiwan.com.tw](mailto:register@ircadtaiwan.com.tw)

# ADVANCED COURSE

## REGISTER



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## OPTIONS A/B

A: LECTURES ONLY  
B: PORCINE LAB

## OBJECTIVES

- Understand advanced indications, patient selection, and operative strategies for laparoscopic and robotic urological surgery.
- Master standardized surgical techniques for partial nephrectomy, radical prostatectomy, radical cystectomy, and reconstructive procedures through expert lectures and operative demonstrations.
- Develop advanced laparoscopic and robotic technical skills through supervised hands-on training using porcine and simulation models.
- Explore current innovations in urology, including advanced robotic platforms, artificial intelligence, and image-guided surgery, to optimize surgical outcomes.

## METHODS

- Interactive theoretical and video sessions between faculty and course participants
- Live and pre-recorded operative demonstrations (semi-live)
- Practical (hands-on) training on live tissue

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**8:20 am** ◦ **WELCOME TO PARTICIPANTS**

**8:30 am** • **THEORETICAL SESSION**

- Basics in Partial Nephrectomy  
Case selection: Partial vs Total, Transperitoneal vs Retroperitoneal, lap vs robotic?
- Transperitoneal laparoscopic / robotic partial nephrectomy: How I do it?
- Retroperitoneal laparoscopic / robotic partial nephrectomy: How I do it?
- 3D virtual model and augmented reality in partial nephrectomy
- Tips and Tricks in Performing Partial Nephrectomy
- Tumour dissection technique: Resection vs Enucleation
- Different techniques in renorrhaphy

**10:50 am** ◦ **COFFEE BREAK**

**11:20 am** • **THEORETICAL SESSION**

- ICG applications in laparoscopic or robotic partial nephrectomy
- Endophytic tumours: How to ensure complete excision
- Robotic partial nephrectomy for complex renal tumours
- Robotic nephrectomy and IVC thrombectomy

**1:00 pm** ◦ **LUNCH**

**2:00 pm** • **HANDS-ON SESSION ON PORCINE**

- Laparoscopic / robotic partial nephrectomy (upper pole tumour)
- Laparoscopic / robotic partial nephrectomy (lower pole tumour)
- Managing vascular complications

**6:00 pm** ◦ **WRAP UP AND EVALUATION**

**6:15 pm** ◦ **END OF SESSION**

**7:00 pm** • **CONGRESS DINNER**

**8:30 am • THEORETICAL SESSION**

- Laparoscopic and robotic radical prostatectomy
- Anterior approach radical prostatectomy: Step by step
- Retzius-sparing radical prostatectomy: Step by step
- Big prostates with median lobe - bladder neck dissection and reconstruction method
- Laparoscopic and robotic radical cystectomy
- Male cystectomy - Step by step illustration
- Female cystectomy - Step by step illustration

**10:55 am ◦ COFFEE BREAK**

**11:25 am • THEORETICAL SESSION**

- Pelvic lymph node dissection - Step by step illustration
- Intracorporeal ileal conduit and Neobladder reconstruction - Video demonstration
- Innovations in Urology
- Different robotic platforms in urology - MP, SP and transurethral
- AI, telesurgery and other new innovations in urology

**12:55 pm ◦ LUNCH**

**2:00 pm • HANDS-ON SESSION ON SYNTHETIC PROSTATECTOMY MODEL**

- Laparoscopic / Robotic radical prostatectomy & Vesicourethral anastomosis
- Different robotic platform showcase + Robotic simulation

**6:00 pm ◦ WRAP UP AND EVALUATION**

**6:15 pm ◦ END OF SESSION**



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# ADVANCED COURSE IN LAPAROSCOPIC & ROBOTIC UROLOGICAL SURGERY

<sup>20</sup>/<sub>26</sub> 10.16 – <sup>20</sup>/<sub>26</sub> 10.17

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