

# VIDEO AND ROBOTIC ASSISTED THORACIC SURGERY VATS AND RATS

ADVANCED COURSE

**ircad**  
France  
STRASBOURG  
UNIVERSITY



DATE  
**APRIL 9 - 10**

COURSE DIRECTORS  
**P.E. Falcoz (FR)**  
**A. Seguin (FR)**

**8:00 am | REGISTRATION AND WELCOMING OF PARTICIPANTS**

**8:15 am | OPTIONS B AND C**

**HISTORY OF VATS / RATS**

- VATS and RATS: current practices over Europe?
- Current and forthcoming technologies for VATS and RATS

**TECHNICAL SESSION: WHICH APPROACH?**

- Single port / multiport anterior and posterior / subxiphoid / robotic

**VIDEO SESSION ON VATS AND RATS THYMECTOMIES**

- Thoracoscopic unilateral / bilateral / subxiphoid approaches
- Robotic subxiphoid / unilateral approaches

**12:30 pm | LUNCH AT THE INSTITUTE**

**1:30 pm | OPTIONS B AND C**

**VIDEO SESSION**

- Exposure / vascular control / fissure and parenchymal division using VATS and RATS
- Standardized technique for RATS pulmonary resection

**3:00 pm | HANDS-ON SESSION ON LIVE TISSUE (MINI-PIGS)  
AND SIMULATORS**

**OPTION B**

**VATS PROCEDURES**

- Fissure completion, incision and opening of mediastinal pleura over left lung hilum
- Dissection and division of veins, bronchus, and pulmonary arteries using autostaplers or vessel-sealing devices

**OPTION C**

**RATS PROCEDURES**

- Development of technical skills in RATS: from basic skills and procedural skills using virtual simulation to live models with LUL and lymphadenectomy in live tissue

**6:30 pm | END OF SESSION**

**8:00 pm | DINNER IN HONOR OF THE PARTICIPANTS**

**7:50 am | EVALUATION OF THE PREVIOUS DAY'S SESSIONS**

**8:00 am | OPTIONS B AND C**

**HISTORY OF VATS / RATS**

- Lower / middle, right and left upper lobectomy
- Lymph node dissection

**SEGMENTECTOMIES**

- Sublobar resections: an update
- Preoperative modelization
- ICG for the surgeon

**VIDEOS SESSION ON SEGMENTECTOMIES**

- Segmentectomies of the upper & lower lobe using VATS and RATS

**POSTOPERATIVE COURSE AND COMPLICATIONS**

- Chest tube management
- ERAS for VATS and RATS
- Pain management: open vs. VATS vs. RATS

**TROUBLESHOOTING COMPLICATIONS:  
DESCRIPTION, MANAGEMENT, AND PREVENTION**

- Learning curve and training (simulation) for VATS and RATS
- RATS-related complications
- Specific complications related to segmentectomies

**1:00 pm | LUNCH AT THE INSTITUTE**

**2:00 pm | HANDS-ON SESSION ON LIVE TISSUE (MINI-PIGS)  
AND SIMULATORS**

OPTIONS B AND C

**VATS AND RATS PROCEDURES**

Same hands-on procedures as for April 9 (page 5)

**5:00 pm | END OF THE COURSE  
DELIVERY OF CERTIFICATES OF ATTENDANCE**