

ROBOTIC ASSISTED THORACIC SURGERY RATS

ADVANCED COURSE



2024

ircad
France

STRASBOURG
UNIVERSITY

Date

OCTOBER 17 - 18

Course directors

J.M. Baste (FR)
W.C. Hanna (CA)

Course Event of the ESTS Robotic Working Group



ROBOTIC-ASSISTED THORACIC SURGERY – RATS

OCTOBER 17

7:45 am ○ REGISTRATION AND WELCOMING OF THE PARTICIPANTS

8:00 am • **DIDACTIC LECTURE**
HISTORY AND DEVELOPMENT OF ROBOTIC SURGERY

ROBOTIC ANATOMIC LUNG RESECTION

- Review of literature
- Standard robotic lobectomy (5 lobectomies)
- Segmentectomy and complex image-guided segmental resection
- Advanced and complex procedures: sleeve resections, pancoast tumors

ROBOTIC RESECTION OF ANTERIOR MEDIASTINAL TUMORS

- Review of literature
- Thymectomy for myasthenia gravis
- Thymectomy for early-stage thymoma
- Thymectomy for advanced stage thymoma

12:30 pm ○ LUNCH AT THE INSTITUTE

1:30 pm • **HANDS-ON SESSION ON LIVE TISSUE (MINI-PIGS) AND SIMULATORS**

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

6:00 pm ○ END OF SESSION

8:00 pm ○ DINNER IN HONOR OF THE PARTICIPANTS

OCTOBER 18

7:45 am ○ EVALUATION OF THE PREVIOUS DAY

8:00 am • **DIDACTIC LECTURE**
ROBOTIC RESECTION OF MIDDLE AND POSTERIOR MEDIASTINAL TUMORS

ROBOTIC ESOPHAGECTOMY: DIFFERENT APPROACHES

ROBOTIC TRAINING

- Technical skills
- Educational and evaluation models

SAFETY AND PERFORMANCE MEASUREMENT

- Non-technical skills in robotic surgery
- Data collection and quality improvement initiatives
- Surgical CRM (crisis resource management) in robotic surgery

RESEARCH AND INNOVATION IN ROBOTIC THORACIC SURGERY

- Medico-economic evaluation
- New instruments and future innovations
- New and emerging robotic platforms

12:30 pm ○ LUNCH AT THE INSTITUTE

1:30 pm • **HANDS-ON SESSION ON LIVE TISSUE (MINI-PIGS) AND SIMULATORS**

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

6:00 pm ○ END OF SESSION

DELIVERY OF CERTIFICATES OF ATTENDANCE