MARCH 16

VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

7:45 am ○ REGISTRATION AND WELCOMING OF PARTICIPANTS

8:05 am ○ OPTIONS B AND C

THEORETICAL SESSION

Current and forthcoming technologies for advanced thoracoscopic procedures

> Electromagnetic bronchial navigation for surgeons
> Current instrumentation and imaging systems
> Forthcoming instrumentation and imaging systems
> Preoperative modeling: applications for major pulmonary resections

Current and forthcoming technologies for robotically assisted procedures

Different approaches: Pro and Cons

> Single port thoracoscopic approach
> Multiport anterior thoracoscopic approach
> Multiport thoracoscopic posterior approach
> Subxiphoid thoracoscopic approach
> Alternate and less usual approaches
> Robotically assisted approach

Postoperative management at the time of minimally invasive techniques

> Chest tube management
> RAAC for VATS and RATS
> Pain management: Open vs. VATS vs. RATS

1:00 pm ○ LUNCH AT THE INSTITUTE

2:00 pm ○ OPTIONS B AND C

VIDEO SESSION

Tips and tricks

> Exposure
> Vascular control
> Fissure and parenchymal division

3:00 pm ○ OPTIONS B AND C

PRACTICAL SESSION - TRAINING ON LIVE TISSUE (MINI-PIGS)

VATS procedures

> Fissure completion
> Incision and opening of the mediastinal pleura overlying the left lung hilum
> Dissection of the common pulmonary vein and cranial lobar vein
> Division of the cranial lobar vein with linear autostaplers or vessel-sealing devices
> Dissection and division of the cranial lobar bronchus with linear autostaplers
> Dissection of the pulmonary arteries one by one and dividing them with linear autostaplers or vessel-sealing devices
> Left caudal lobectomy

6:30 pm ○ END OF SESSION

EVENING FREE

MARCH 17

VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

7:45 am ○ EVALUATION OF THE PREVIOUS DAY

8:00 am ○ OPTIONS B AND C

LECTURE

Introduction to sublobar resections

8:30 am ○ OPTIONS B AND C

VIDEO SESSION

VATS and RATS lobectomies
Main technical steps and tricks with different standpoints

> Lower / right upper / left upper / middle lobectomies

> Two “easy” segmentectomies: Lingulectomy, S6

> Complex segmentectomies

> Lymph node dissection

12:00 pm ○ LUNCH AT THE INSTITUTE

1:00 pm ○ OPTIONS B AND C

VIDEO SESSION

VATS and RATS lobectomies
Main technical steps and tricks with different standpoints

> Thoracoscopic left approach

> Thoracoscopic bilateral approach

> Thoracoscopic subxiphoid approach

> Robotic approach

2:00 pm ○ **PRACTICAL SESSION**

OPTION B

TRAINING ON LIVE TISSUE (MINI-PIGS)

VATS procedures

> Fissure completion

> Incision and opening of the mediastinal pleura overlying the left lung hilum

> Dissection of the common pulmonary vein and cranial lobar vein

> Division of the cranial lobar vein with linear autostaplers or vessel-sealing devices

> Dissection and division of the cranial lobar bronchus with linear autostaplers

> Dissection of the pulmonary arteries one by one and dividing them with linear autostaplers or vessel-sealing devices

> Left caudal lobectomy

OPTION C

TRAINING ON LIVE TISSUE (MINI-PIGS) AND SIMULATORS

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 pig models

5:30 pm ○ END OF SESSION

8:00 pm ○ DINNER IN HONOR OF PARTICIPANTS

MARCH 18

VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

8:15 am ○ EVALUATION OF THE PREVIOUS DAY

8:30 am ○ OPTIONS B AND C

THEORETICAL SESSION

Advanced techniques and technologies

> Training on animal model

> Training on cadaver model

> Simulation for the VATS surgeon

> Preventing and simulating complications (conference)

Troubleshooting complications in VATS and RATS surgery: description, management and prevention

> Lessons learned from a European survey

> My complications: how many? What did occur? How did I manage it? Which lesson learnt?

12:00 pm ○ LUNCH AT THE INSTITUTE

END OF COURSE

DELIVERY OF THE CERTIFICATES OF ATTENDANCE

This program may be subject to modifications.