

❖ Specialists :

Pr BASTE Jean-Marc - Thoracic surgeon - CHU de Rouen
Dr LACHKAR Samy - Pulmonologist - CHU de Rouen
HENRY Jean Pierre - Human factors - CHU de Rouen
Dr LEFEVRE-SCELLES Antoine - Anaesthetist - CHU de Rouen
Dr SELIM Jean - Anaesthetist- CHU de Rouen
COQ Jean Michel - Psychologist - CHU de Rouen
BOUJIBAR Fairuz - Physiotherapist - CHU de Rouen

❖ Public :

Thoracic surgeons
Pneumologists
Chest physicians

❖ Session:

20-25 persons by masterclass

❖ Information and registration :

contact@mtc-rouen.com

❖ Fee :

1600 €



MTC LOCALISATION

- **Address :** Medical Training Center (MTC)
20 rue Marie Curie - 76 000 Rouen, France
- **Contact :** Secretariat@mtc-rouen.com
tel : 02 32 88 88 93

Satellite coordinates (DD)

Latitude = 49.437816 / longitude = 1.114571

TEOR : T1, T2, T3.

Join the Lyons-la-Forêt road on your left; then left again, rue Françoise Dolto and finally right rue Marie Curie.

Une création de :
CHU
ROUEN NORMANDIE

En partenariat avec :
UNIVERSITÉ
DE ROUEN
NORMANDIE

Direction de la communication du CHU de Rouen - janvier 2021



MASTER CLASS ADVANCED RATS

New Technologies and NoTech Processes
for Security and Performance



2 DAYS OF TRAINING

CHU
ROUEN NORMANDIE

UNIVERSITÉ
DE ROUEN
NORMANDIE

PROGRAM

> Overview :

This practical course will help you discover the latest technological advances in robotic surgery for the management of lung cancer and mediastinal lesion.

We will focus on two main aspects of the Robotic Platform : the technical part which is mandatory but not sufficient and the second part will emphasize the role of human factors and the team to perform safe and efficient procedures.

This course will draw on the expertise of different specialists: an anesthesiologist, a radiologist, a human factor expert from aviation, a psychologist, a specialist in communication and of course a thoracic surgeon.

> Technical aspects :

- Da Vinci X surgical platform (Intuitive Technology®)
- 4 Arm standardised lung resection
- Image assisted robotic surgery using Visible Patient® 3D reconstruction and ---Firefly®, Tile Pro mode
- Robotic Stapler
- Different Energy modes
- Different stapling strategies (Robotic stapler, Ethicon Vascular Stapler®, Signia Medtronic®)
- Capnothorax using Airseal®

> Non technical Aspects :

One of the problems of minimal invasive thoracic surgery is major intraoperative complications, especially in RATS. To address this safety concern, we started developing new tools 5 years ago with the aim of improving operative safety and using a multidisciplinary approach.

One of the main aspects of preventing and managing major complications is based on simulation with team resource management, acute stress management and the development of non-technical skills :

- Human factors
- Cognitive tools (robotic check-list, crisis check-list)
- Team training
- Stress management
- Crisis resource management (CRM) using multidisciplinary team simulation

> Program :

Day 1

13h00 - 14h00 : Lunch

14h00 : Opening Session

14h15 : General Introduction - Pr Jean-Marc Baste

New context in surgical safety and performance in the era of robotic surgery : Non-tech skills and tool kits for team training and working (human factors, crisis management, team training, crew resource management, enhanced performances, check list, stress

14h30 : Operative safety - Dr Antoine Lefevre-Scelles

The anesthesiologist point of view

14h50 : Operative Safety - Pr Jean-Marc Baste

The Surgeon point of view:

- Cognitive simulation(3D)
- Cognitive tools (check lists, 3D reconstructions...)

15h30 : Acute stress management - Jean Marc Coq

Performance during operative complications

16h00 : Human Factors and Operative Room Audit - STAN Institute

16h30 : Briefing in situ simulation - Team training objectives

17h00 : Scenario of Robotic RUL - Pr Jean-Marc Baste - Dr Antoine Lefevre-Scelles

- Whole team
- All the different surgical steps
- Uncontrolled bleeding or major desaturation ?
- Crisis management

17h45 : Debriefing - STAN Institute

Surgeon, anesthesiologist, consultants, participants (evaluation scale for NOTS, stress management)

18h45 : End of the session

19h30 : Social event with dinner

Day 2

07h45 : Opening

08h00 : Robotic 4-arm technique for lung resection - Pr Jean-Marc Baste

08h00 : Presentation of pre-operative marking using virtual bronchoscopy and Radial EBUS (by videoconference in theatre) - Dr Samy Lachkar

09h00 : Live case segmentectomy with operative planning and operative assisting using 3D model (Visible Patient-Therapixel technology)

12h00 : Lunch

13h00 : Live Case of robotic lobectomy with the robotic stapler X platform

16h00 : General debriefing focusing on the technical and non-technical parts of this course

17h00 : End of the session