Inter-University Diploma in Robotic Surgery

Robotic Surgery Driving Licence for Surgeons
“Robotics Nurse Specialist” status for O.R. nurses

The university team:

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Corporate partner:

University of Lorraine
Faculty of Medicine Nancy
Surgery School Nancy - Lorraine

STAN Institute
Lack of training?  
The cause of half of Serious Adverse Events (SAE) in robotic surgery!

The conclusion of an ANSM* investigation on da Vinci surgical robots is very clear:

“The results of this investigation [...] confirm the importance of training and the significance of the learning curve of operators, especially in the present context of strong expansion in the use of this robot in increasingly diverse surgical areas. It is important that every user should benefit from full training before carrying out surgical procedures and that they receive regular follow-up as part of continuing education in the use of the robot.”

Create your own learning experience with STAN Institute
Expertise can only be achieved through practice

Our courses are designed for a single purpose: To allow you to build a solid practical base for the practice of robotic surgery.

While you are at the STAN Institute, everything you do will be practice-focused. 75% of your time will be dedicated to exercises on simulators and robots. Theoretical aspects are dealt with entirely by e-learning.

* Agence Nationale de Sécurité du Médicament et des produits de santé, bilan de l’enquête concernant les robots chirurgicaux Da Vinci de la société Intuitive Surgical, 12 février 2014

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From the virtual to the real
Sophisticated tools at your disposal

The dV-trainer and dVSS simulators
The dV-Trainer, created by Mimic Technologies, is the only da Vinci robot simulator certified by Intuitive Surgical. Because it faithfully reproduces all the features of the actual robot, it is the most effective way to develop a surgeon’s technical skills.

Microsurgery
Microsurgery practice is of proven educational value when learning robotic surgery. It is particularly helpful for the development of hand-eye coordination and training with “visual force feedback”, and is useful also for robotic suture skills.

The XTT simulator
The XTT or Xperience Team Trainer from Mimic Technologies is a simulator which incorporates the tools usually used by the assistant. Totally new, its use in conjunction with a dv-Trainer allows training in aspects of teamwork that are specific to robotic surgery.

The da Vinci robot in Dry Lab
Dry Lab workshops are simulations in which we use the robot to work on an inanimate model. Carried out using a da Vinci S or Si robot, they provide the opportunity to consolidate the technical skills acquired on a simulator, and to carry out exercises in teamwork.

The da Vinci Robot in Wet Lab
Wet Lab practice on a porcine subject or cadaver is the final stage before moving onto human patients. Carried out both at the surgeon’s console and in the role of assistant, this completes the range of essential skills for practicing robotic surgery.
A programme adapted specifically to your needs

Four optimized modules

1. E-Learning

Provided in the form of tele-education and tele-conferencing, the e-learning module will give you all the theoretical knowledge required for the basic practice of robotic surgery.

11 podcast hours

2. Simulation

This module allows participants to develop the basic technical skills required when using the robot.

- 15 hours on the dV-trainer simulator
- 4 hours on the XTT simulator
- 1 hour on the dVSS simulator
- 4 hours of microsurgery
- 2 hours of team training

3. Technical practice

Explore the capabilities of the da Vinci Si robot through fun participatory exercises

- 5 hours of Dry Lab with the da Vinci S or Si robot
- 3 hours of robot set-up (docking)
- 2 hours of team training
- 5 hours of interactive lectures

4. Clinical practice

The last step before the transition to surgery on patients

- 5 hours Wet Lab on the da Vinci S or Si robot
- 3 hours of case observation in the operating room

Additional options:
- Attendance at a robotic surgery conference
- Work experience with an expert team
Methods

Purpose
To provide a solid basis of technical competence in the core techniques of robotic surgery

Procedure
Register with the University of Lorraine
Endorsement of the 4 modules required for the award of an inter-university diploma

Duration
5 days, from 8am to 7pm

Participants
Option for Surgeons
Doctors who have already qualified as surgeons
Doctors undergoing surgical training
Option for Nurses
Theatre nurses and scrub nurses with at least 3 years OR experience.

Precondition
Must be in a position to put new skills into practice shortly after training

Course fee
5,500 € (surgeons)
3,075 € (nurses)

Options
A package is available which includes accommodation and local travel around Nancy

Training takes place at
ÉCOLE DE CHIRURGIE
Faculté de Médecine
Bâtiment D - 2e étage
Faculté de Médecine
9, avenue de la forêt de Haye
54505 VANOEUVRE-LES-NANCY

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