

Program Module A, Microsurgical techniques

Day 1: Basic microsurgical techniques

09.00 - 09.30 Welcome, introduction and expectations for the course

09.30 - 10.45 Good Surgical Practice (GSP) in the rat

10.45 - 11.00 Coffee and tea

11.00 - 11.45 Instruments

11.45 - 13.00 Suture materials and suture techniques

Practical exercises:

14.00 - 15.30 Microsurgical suture techniques on a latex glove

15.30 - 17.00 Anastomoses techniques on artificial vessels, using the MD PVC-Rat

Day 2: Experimental microsurgical techniques I

Practical exercises:

09.00 - 10.15 Anastomoses techniques end-to-end (ETE) and end-to-side (ETS), using the MD PVC-Rat

10.15 - 10.30 Coffee and tea

10.30 - 12.30 Anastomosis techniques (ETS), portacaval shunt, using the MD PVC-Rat

13.30 - 14.00 ETE anastomosis of the rat femoral artery (theory)

Practical exercises:

14.00 - 17.00 Dissection techniques and vascular ETE anastomosis of the rat femoral artery

Day 3: Experimental microsurgical techniques II

09.00 - 10.15 Anaesthesia including peri-operative care

10.15 - 10.30 Coffee and tea

Practical exercises:

10.30 - 17.00 ETE anastomosis of the femoral artery. ETE anastomosis of the jugular vein

Day 4: Experimental microsurgical techniques III

09.00 - 09.45 Asepsis

09.45 - 10.00 Coffee and tea

Practical exercises:

10.00 - 17.00: Interposition abdominal aorta, carotid artery and femoral vein, nerve repair

Day 5: Experimental microsurgical techniques IV

09.00 - 10.00 Discussion of participants special needs and requests

10.00 - 10.15 Coffee and tea

10.15 - 11.00 Discussion on technical approaches

Practical exercises:

11.00 - 16.00 Requested techniques

16.00 - 16.15 Course evaluation