

# Catheterization Techniques in Automated Blood Sampling

Learn basic microsurgical techniques and understand the impact on long-term catheter performance



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ALMERE, NETHERLANDS

# Catheterization Techniques in Automated Blood Sampling

Proper catheterization and catheter care practices are an essential component of blood collection and infusion studies. Learn the foundational steps for long-term catheterized animal studies & get the best data from fewer animals. RRSSC, BASi Research Products and SAI Infusion are collaborating on this workshop to bring together best practices that improve surgical outcomes and animal welfare.

## Course Agenda

### Day 1: Basic microsurgical techniques

- 09.00 - 09.30 Welcome, introduction and expectations for the course
- 09.30 - 10.00 Good surgical practice (GSP)
- 10.00 - 10.15 Coffee and tea
- 10.15 - 11.00 Instruments
- 11.00 - 12.00 Suture materials and suture techniques

Practical exercises:

- 13.00 - 14.30 Microsurgical suture techniques on a latex glove
- 14.45 - 17.00 Vascular access, choice of the vessel and surgical approach

### Day 2: Catheterization techniques

- 09.00 - 10.15 Jugular vein catheterization in the rat including a demo for future sampling
- 10.15 - 10.30 Coffee and tea

Practical exercises:

- 10.30 - 12.30 Jugular vein catheterization
- 13.30 - 17.00 Femoral vein and/or carotid artery catheterization, demo and practical exercise

### Day 3: Catheterization techniques including automated sampling

- 09.00 - 10.15 Anaesthesia including peri-operative care
- 10.15 - 10.30 Coffee and tea
- 10.45 - 11.15 Overview of the Culex® Automated Blood Collection System

Practical exercises:

- 11.15 - 16.00 Demonstration of the Culex® Automated Blood Collection System, Ratur™ Movement Responsive Caging, and Integration with SAI's CannuLock™ Catheter Access Buttons™
- 16.00 - 17.00 Closing remarks and evaluation

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