Rodent Telemetry Surgery Training Session Program

**Basic Techniques Program** – 2 Days (max 6 attendees/2 trainers)
Models: Temperature, Activity, BP, ECG, EEG and EMG in Rats

**Day 1: Building Strong Basic Skills**
- 09:00 - 09:30 Welcome, introduction and expectations for the course
- 09:30 - 10:30 Good surgical practices, peri-operative care
- 10:30 - 10:45 Coffee and tea
- 10:45 - 11:30 Suture materials and instruments
- 11:30 - 12:30 Aseptic techniques
- 12:30 - 13:30 Lunch

*Practical Exercises:*
- 14:30 - 15:15 Anesthesia and analgesia applied to telemetry device implantation
- 15:15 - 15:30 Setting the microscope
- 15:30 - 17:00 Microsurgical suture techniques applied to telemetry on latex glove and PVC rats

**Day 2: Specific Training**
- 09:00 - 10:30 Description of the models, handling of the implants, do’s and don’ts
- 10:30 - 10:45 Coffee and tea
- 10:45 - 12:00 Surgery demonstration under the microscope
- 12:00 - 13:00 Lunch

*Practical Exercises:*
- 13:00 - 16:30 Training on the specific techniques of interest, under the supervision of the trainers
- 16:30 - 17:00 Conclusion of the course, wrap-up

*Animals: 1 rat for the demonstration, 2 to 3 rats per student*

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**Medium-Level Techniques Program** – 3 Days (max 6 attendees/2 trainers)
Models: Temperature, Activity, BP, ECG, EEG and EMG in Mice

**Day 1: Building Strong Basic Skills**
- 09:00 - 09:30 Welcome, introduction and expectations for the course
- 09:30 - 10:30 Good surgical practices, peri-operative care
- 10:30 - 10:45 Coffee and tea
- 10:45 - 11:30 Suture materials and instruments
- 11:30 - 12:30 Aseptic techniques
- 12:30 - 13:30 Lunch

*Practical Exercises:*
- 14:30 - 15:15 Anesthesia and analgesia applied to telemetry device implantation
- 15:15 - 15:30 Setting the microscope
- 15:30 - 17:00 Microsurgical suture techniques applied to telemetry on latex glove and PVC rats
Day 2: Specific Training
- 09:00 - 10:30 Description of the models, handling of the implants, do’s and don’ts
- 10:30 - 10:45 Coffee and tea
- 10:45 - 12:00 Surgery demonstration under the microscope
- 12:00 - 13:00 Lunch

Practical Exercises:
- 13:00 - 17:00 Training on the specific techniques of interest, under the supervision of the trainers

Animals: 1 mouse for the demonstration, 2 to 3 mice per student

Day 3: Specific Training (continued)
- 09:00 - 10:30 Discussion regarding difficulties encountered on Day 2, tips and tricks, new demonstration if needed
- 10:30 - 10:45 Coffee and tea
- 10:45 - 12:30 Training on the specific techniques of interest, under the supervision of the trainers
- 12:30 - 13:30 Lunch
- 13:30 - 16:30 Training on the specific techniques of interest, under the supervision of the trainers
- 16:30 - 17:00 Conclusion of the course, wrap-up

Animals: 1 mouse for the demonstration, 3 mice per student

Complex Techniques Program – 5 Days (max 6 attendees/2 trainers)

Models: LV-pressure, Pulmonary Artery Pressure, Pleural Pressure, Pulse Wave Velocity

Day 1: Building Strong Basic Skills
- 09:00 - 09:30 Welcome, introduction and expectations for the course
- 09:30 - 10:30 Good surgical practices, peri-operative care
- 10:30 - 10:45 Coffee and tea
- 10:45 - 11:30 Suture materials and instruments
- 11:30 - 12:30 Aseptic techniques
- 12:30 - 13:30 Lunch

Practical Exercises:
- 14:30 - 15:15 Anesthesia and analgesia applied to telemetry device implantation
- 15:15 - 15:30 Setting the microscope
- 15:30 - 17:00 Microsurgical suture techniques applied to telemetry on latex glove and PVC rats

Day 2: Specific Training
- 09:00 - 10:30 Description of the models, handling of the implants, do’s and don’ts
- 10:30 - 10:45 Coffee and tea
- 10:45 - 12:00 Surgery demonstration under the microscope
- 12:00 - 13:00 Lunch

Practical Exercises:
- 13:00 - 17:00 Training on the specific techniques of interest, under the supervision of the trainers

Animals: 1 mouse or rat for the demonstration, 2 to 3 mice or rats per student
Day 3: Specific Training (continued)

- 09:00 - 10:30  Discussion regarding difficulties encountered on Day 2, tips and tricks, new demonstration if needed
- 10:30 - 10:45  Coffee and tea
- 10:45 - 12:30  Training on the specific techniques of interest, under the supervision of the trainers
- 12:30 - 13:30  Lunch
- 13:30 - 17:00  Training on the specific techniques of interest, under the supervision of the trainers

**Animals:** 1 mouse or rat for the demonstration, 2 rats or mice per student

Day 4: Specific Training (continued)

- 09:00 - 10:30  Discussion regarding difficulties encountered on Day 3, tips and tricks, new demonstration if needed
- 10:30 - 10:45  Coffee and tea
- 10:45 - 17:00  Training on the specific techniques of interest, under the supervision of the trainers with emphasis on the complete procedure
- 12:30 - 13:30  Lunch

**Animals:** 1 mouse or rat for the demonstration, 2 rats or mice per student

Day 5: Specific Training (continued)

- 09:00 - 10:30  Discussion regarding difficulties encountered on Day 4, tips and tricks, new demonstration if needed
- 10:30 - 10:45  Coffee and tea
- 10:45 - 16:00  Training on the specific techniques of interest, under the supervision of the trainers with emphasis on tissue handling and speed while performing the complete procedure
- 12:30 - 13:30  Lunch
- 16:00 - 17:00  Conclusion of the course, wrap-up

**Animals:** 1 mouse or rat for the demonstration, 3 rats or mice per student