

Introduction to Aseptic Techniques in Rodent Surgery (RSX)

Course Outline

Online Course (4-8hr)

- Standards for Recovery Rodent Surgery
- Requirements for Aseptic Surgery
- Aseptic Surgery Protocol
- Classification of Surgery
- Before You Plan the Surgery
- Preparing the Animal
- What Instruments Do You Need
- The 6 Golden Rules of Surgery
- Monitoring
- Considerations for Specific Surgeries
- Antibiotics
- Surgical Incisions and Wound Healing
- Wound Closure
- Wound Complications and Management

Hands-On Lab Outline (4hr)

Lab tasks	Approximate time required
Enter lab, wash hands, don lab coat and gloves	5 – 10 minutes
Introduction	5 minutes
Determine supportive care and calculate analgesia and SC fluids	5 minutes
Dry Lab: Alternate watching videos and practicing aseptic techniques, suturing	2 hours
Euthanize animal / Break	5 – 15 minutes
Wet Lab: 1 st aseptic surgery practice	1 hour
Wet Lab: 2 nd aseptic surgery practice	30 – 45 minutes