



Introduction to Anesthesia of the Laboratory Rodent Inhalant (RA)

Course Outline

Online Course (4-8hr)

- Introduction to Anesthesia
- Considerations when Choosing Anesthetic Drug(s)
- Predictable Effects and Supportive Care Requirements
- The Anesthetic and Recovery Plan
- Drug Calculations
- Inhalational Anesthesia
- General Anesthetic Complications (Emergencies)
- Introduction to the Use of Analgesics in Rodents
- Review of Recognition of Pain in Rodents

Hands-On Inhalational Anesthesia Lab Outline (2hr)

Lab tasks	Approximate time required
Enter lab, wash hands, don lab coat and gloves	5-10 minutes
Introduction, discuss experience and rodent strains	5 minutes
Videos on Inhalational Anesthetic Set-up and Anesthesia	25 minutes
Calculations and drawing up supportive care fluids	10 minutes
Set up isoflurane anesthetic machine	5-10 minutes
Show the flow of gas and review the process of rodent anesthesia	15 minutes
Anesthetize a mouse/rat, provide supportive care, and monitor	30 minutes
Recover the mouse/rat	10 minutes