

Academy of Surgical Research
Distribution of Exam Questions

The charts below are intended to give a general guide as to the possible distribution of questions on the exams. While the subjects are locked in, the exact distribution may vary slightly.

Surgical Research Specialist	
Subject	Distribution
Rodent and Large Animal Anatomy and Physiology	~15-25%
Rodent and Large Animal Analgesia Pain Assessment Drugs	~15-25
Surgical Knowledge General Knowledge Terminology Procedures and Techniques Vascular access ports, telemetry implants	~10-20%
Suture Knowledge Suture Type and Size Suture Patterns	~10-20%
Wound Healing	~5-10%
Instruments Identification Proper Usage	~10-20%
Radiology and Imaging Techniques	~2-5%
Rodent and Large Animal Anesthesia Inhalant Anesthesia Injectable Anesthesia Equipment	~10-20%
Pre-, peri-, and post-operative care	~5-15%
Dose Calculations	~5-15%
Regulation review AVMA, IACUC, AWA, USDA, AAALAC, Controlled Substances	~5-10%
Emergency Techniques Recognition Drug Action/Selection Fluid Therapy & Replacement	~5-10%
Aseptic Procedures Surgical Suite Management, Maintenance Record Keeping Sterilization Processes Surgical Preparation	~5-10%

Surgical Research Technician

Subject	Distribution
Rodent and Large Animal Anatomy and Physiology	~15-25%
Rodent and Large Animal Analgesia Pain Assessment Drugs	~15-25%
Surgical Knowledge General Knowledge Terminology Procedures and Techniques Catheter and Alzet Pump Implant	~10-20%
Suture Knowledge Suture Type and Size Suture Patterns	~10-20%
Wound Healing	~5-10%
Instruments Identification Proper Usage	~10-15%
Radiology and Imaging Techniques	~2-5%
Rodent and Large Animal Anesthesia Inhalant Anesthesia Injectable Anesthesia Equipment	~10-20%
Pre-, peri-, and post-operative care	~10-15%
Dose Calculations	~5-10%
Regulation review AVMA, IACUC, AWA, USDA, AAALAC, Controlled Substances	~5-10%
Emergency Techniques Recognition Drug Action/Selection Fluid Therapy & Replacement	~5-10%
Aseptic Procedures Surgical Suite Management, Maintenance Record Keeping Sterilization Processes Surgical Preparation	~5-10%

Surgical Research Anesthetist

Subject	Distribution
Rodent and Large Animal Anatomy and Physiology	~15-25%
Rodent and Large Animal Analgesia Pain Assessment Drugs	~20-30%
Rodent and Large Animal Anesthesia Inhalant Anesthesia Injectable Anesthesia Equipment	~15-30%
Pre-, peri-, and post-operative care	~15-25%
Dose Calculations	~10-20%
Regulation review AVMA, IACUC, AWA, USDA, AAALAC, Controlled Substances	~5-15%
Emergency Techniques Recognition Drug Action/Selection Fluid Therapy & Replacement	~10-20%
Aseptic Procedures Surgical Suite Management, Maintenance Record Keeping Sterilization Processes Surgical Preparation	~5-10%
Radiology and Imaging Techniques	~1-5%