

**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.

<b>Surgical Research Specialist</b>	
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%