**ACADEMY OF
SURGICAL RESEARCH**

**Comprehensive
Surgical Research Anesthetist (SRA)
Certification Information**

Application deadline is March 31st

SRA Certification Application Requirements
- □ **Pay fee**
- □ **Upload all completed required documents** (*with all necessary signatures*)
  - □ **Application Form**
  - □ **Resume/Curriculum Vitae**
  - □ **Anesthesia/Surgical Training**
    - Detailed description of courses or programs
    - Description of "on the job" training (length and nature of training)
    - List of self-study material
    - Syllabus of seminars and workshops
  - □ **SRA Anesthesia Case Log –** *details on page 2*
  - □ **SRA Narrative Case Descriptions – <u>two total</u>** *details on page 3*

Certification Application Guidelines
- Familiarize yourself with the certification requirements, application process, and application requirements.
- Ensure you will be able to meet all the specific requirements listed in the application package.
- If you have questions about your experience and whether you can meet the requirements, email the Certification Committee.
- Plan! Completing all the requirements listed for certification typically takes at least 1 year.
- Before submitting your application, review to make sure all required information and documents are organized and included.
- Follow the instructions listed on the application to consolidate and upload documents to the ASR upload account. Be sure to submit payment as well.
- The ASR Certification Committee will only review applications if payment has been received.
- Ensure your complete application package is uploaded no later than March 31st of the year you intend to sit for the exam.
- Applicants will receive notification by July confirming application acceptance, additional information needed, or rejection.
- If additional information is required, you will be informed and given opportunity provide this. After this is provided, you will either be accepted or rejected to sit for the exam.
- If the application is rejected due to "insufficient cases", you will be given the opportunity to defer to the following year.
- Start studying as soon as possible! Be sure to check out the resources available on the ASR website.

Anesthesia Case Log

Format: The log should be in chart form. Cases should be listed in chronological order with no more than one case per page (cases can be more than one page if necessary).

Log duration: Cases must occur over at least one year. This means that the most recent case is at least 364 days apart from the oldest case. Cases older than 3 years from the application submission date will not count toward the total case count requirement.

Number of cases: The number of cases required depends on the number of species included.

If 2 or more species are included, a minimum of 30 anesthetic cases are required. If the case count is exactly 30 and only 2 species are represented, 15 cases must be from each species.

If one species is included, 60 anesthetic cases and more than one significantly different anesthetic protocol must included.

Applicant role: For each case, the applicant must serve as the primary anesthetist (responsible for induction, intra-operative anesthesia, and anesthesia recovery) and may **not** act as surgeon on the case. The applicant must be present from induction through recovery.

Case length: Anesthesia duration must be at least 30 minutes and the outcome survival.

Animal survival status: The animal must survive a minimum of 72 hours post-recovery for the case to be considered survival.

Parameters monitored: Vital parameters monitored must include heart rate, respiratory rate, and body temperature along with at least one of the following: blood pressure, SpO2, ECG, or ETCO2.

Verification: Each case must be certified for accuracy with a signature and date by the supervising surgeon, the laboratory animal veterinarian, or an ASR certified SRA, SRT, or SRS.

Content: Each case in the log must include at minimum:

- **Applicant name**
- **Date of case**
- **Case number** (to correlate to narratives)
- **Animal identification**
- **Animal description** (species, strain, sex, age)
- **Procedure performed**
- **Reason for anesthesia**
- **Pre-anesthetics and anesthetics used**
- **Anesthesia equipment**
- **Parameters monitored**
- **Monitoring techniques**
- **Method of pain assessment**
- **Summary of care**
- **Complications**
- **Duration of anesthesia**
- **Outcome** (include survival/non-survival)
- **Euthanasia date and method**
- **Role** (primary/assistant)
- **Signature of surgeon/vet/ASR certified SRA, SRT, or SRS**

Cases that fall outside of the requirements listed here may and should be included to demonstrate the applicant's breadth of experience, but will not count toward the minimum requirement.

Exceptions to listed requirements will be evaluated on a case-by-case basis by the Certification Committee and the Academy's President.

If you have questions about your experience and whether you can meet the requirements, email the Certification Committee

Narrative Case Descriptions

Format: Narratives are to be written on 2 cases selected from the anesthesia case log. Narratives must be in paragraph form and should be comprehensive, specific, and detailed. Someone should be able to replicate the procedure exactly based on the description provided. Narratives should be typed and reviewed for spelling and accuracy.

Content: Each narrative must include at minimum:

- **Applicant name**
- **Date and case number**
- **Subject information**
  - Animal ID
  - Species, strain, sex, and age of the patient
- **Procedure**
  - Type (ex. recovery, laparotomy, aortic aneurism)
  - Goal of the procedure (ex. create an aortic aneurysm model to evaluate grafts)
- **Anesthesia/analgesic regimen**
  - Each drug name, purpose, dosage, administration site/route, frequency
  - Other drugs if used (anticoagulants, antibiotics, etc.)
- **Rationale for selection of anesthetic/analgesic regimen**
  - Consider species, surgical goal, pain, fluid balance, etc.
- **Animal preparation**
  - Fasting, hair removal, positioning, surgical site prep, drape
  - Fluid administration with type, purpose, dose, and route
- **Intra-operative monitoring and pain assessment**
  - Parameters monitored with frequency (blood pressure, ECG, temperature, anesthetic depth, etc.)
  - Equipment/methods used (manufacturer, model, sensor types and placement, manual techniques, etc.)
  - Description of the patient's physiologic condition during the procedure, including:
    - Drug administration adjustments
    - Rationale for adjustments
    - Results of adjustments
- **Complications**
  - Any complications encountered and how they were addressed
  - Anticipated complications and how they would be addressed
  - Emergency interventions available with description of when/how would be used
- **Duration of anesthesia**
  - Total time under anesthesia
  - Approximate time from anesthesia discontinuation to maintained sternal recumbency/sitting
- **Post-operative monitoring and pain assessment**
  - Acute recovery measures, assessment methods, frequency, observations, goals, etc.
  - Signs of pain and distress anticipated, frequency of observations, duration of monitoring, etc.
- **Follow-up treatment**
  - Observations, medications, frequency, criteria for discontinuation, etc.
- **Summary**
  - Overview of the case with any unexpected events or complications
  - Evaluation of the adequacy of the anesthetic and analgesic regimen