



# ACADEMY OF SURGICAL RESEARCH

## Application for Surgical Research Technician (SRT) Certification

Name	
Home Address 1	Home Phone
Home Address 2	Home Fax
City, State, Postal Code	Home Email
Employer Name	
Title/Position	
Work Address 1	Work Phone
Work Address 2	Work Fax
Work City, State, Postal Code	Work Email
<b>Education</b>	
High School	College
Other Certifications/Accreditations (LVT, LATg, etc.) Include copy with application:	
<b>Certification of Surgical Competence</b> To be completed by a person with a doctoral degree in medicine, dentistry, or veterinary medicine or Surgical Research Specialist who has assessed the ability of the candidate in the operating room. <input type="checkbox"/> M.D. <input type="checkbox"/> D.D.S. <input type="checkbox"/> D.V.M. <input type="checkbox"/> S.R.S. <input type="checkbox"/> other_____	
I certify that I have observed _____ perform aseptic survival surgery in a reliable and reproducible manner.	
Signature	Date
Title	Degree
Address 1	Email
Address 2	Phone
City, State, Postal Code	

**Date Application Received:**

12/09/19

# **SRT Documents for Submission**

## **Cover Page**

### **Applicant's Name:**

- 1. Cover Page (this sheet for Submission)**
- 2. Application for SRT Certification (Ensure signature for Certification of Surgical Competence)**
- 3. Resume/Curriculum Vitae**
- 4. Training Documentation**
- 5. Case Log**
  - a. Duration of Log ( $\geq 1$  year)**
    - i. Date of first case ( $\leq 3$  years from application date):**
    - ii. Date of last case:**
    - iii. Time span covered (year/days):**
  - b. Total number of cases:**
  - c. Number of cases meeting SRT criteria ( $\geq 12$ ):**
  - d. Surgical Procedures Included ( $\geq 2$ )**
    - i. Surgical procedure #1 with number of cases:**
    - ii. Surgical procedure #2 with number of cases:**
    - iii. Additional surgical procedures with number of cases:**
  - e. Case Duration ( $\geq 72$  hrs survival to count case)**
    - i. Shortest Case (hr/min):**
    - ii. Longest Case (hr/min):**
  - f. Narratives with Case Number from Log**
    - i. Narrative 1 Case #**
    - ii. Narrative 2 Case #**

## Other Documentation to be Submitted:

### ☐ Anesthesia/Surgical Training Courses

Provide documentation for any anesthesia or surgical training you have received to prepare for the surgical procedures you have performed. Please provide any of the following information that applies to you.

- Detailed Description of Programs
- Description of “on the job” training (length and nature of training)
- Listing of Self Study Material
- Syllabus of Seminars and Workshops or supporting documents for the classes (i.e. certificate or training records)

☐ **One (1) Surgical Case Log** This log will record activity for **at least** 12 months but can go back **up to 3 years**. It must include a minimum of twelve (12) survival aseptic surgical cases, performed by the applicant. Survival aseptic cases are defined as those where the animal survives for a minimum of 72 hours post recovery and the procedure is performed with standard aseptic techniques. Reported surgical cases must cover a period of at least one (1) year such that the most recent case is at least 364 days apart from the oldest case. The case log should be in the form of a chart documenting the information required and must be certified for accuracy with a signature and date by the supervising surgeon, the laboratory animal veterinarian, or a SRS certified technician.

Acceptable surgical cases for the Surgical Research Technician certification must involve basic surgical techniques such as incision creation, dissection, and wound closure. Acceptable procedures include peripheral vessel cannulation, castration, radio-telemetry device implantation, and large reservoir subcutaneous pump implantation. Examples of procedures that are not complex enough to qualify include routine laceration closure and implantation of subcutaneous ID chips or any procedure using an injectable type device. Procedures where the applicant acted as a secondary surgeon or sterile assistant may be accepted if the duties were relatively extensive (i.e., significant dissection or wound closure) and a detailed description of the duties performed by the applicant is included. These cases will be evaluated on a case-by-case basis by the reviewing staff.

Log must be in chronological order and includes at a minimum:

- ☐ Applicant Name
- ☐ Date of each case
- ☐  $\geq 1$  year with oldest case no more than 3yrs from application date.
- ☐  $\geq 12$  cases of level 1/minor surgical procedures as primary surgeon
- ☐  $\geq 2$  different surgical procedures, similar procedures at different anatomical sites are acceptable (i.e., femoral vein and carotid artery cannulations)
- ☐ Animal description (species, strain, sex, age),
- ☐ Procedure performed
- ☐ Survival /non-survival, 72hrs survival to count case
- ☐ Complications
- ☐ Outcome including applicable euthanasia date/method
- ☐ Primary or Assistant Surgeon, if assistant duties performed need detailed description of what duties were performed.
- ☐ Signed/reviewed by manager/supervisor (at least on the last page of log or statement with signature)

Comments:

☐ **Narrative descriptions of two (2) specific survival surgical procedures (one specific animal per case) that the applicant has performed and that are included in the surgical case log**

This must appear in a narrative (paragraph) form and should be comprehensive and detailed. The list below is the minimum that must be submitted. The narrative should be in typed format and reviewed for spelling and accuracy.

*Note: Someone should be able to replicate your procedure exactly based upon the information supplied!  
At a minimum the bullet items must be addressed. See examples in parenthesis. Please be as specific as possible in your description and provide in paragraph form.*

- ☐ **Applicant's Name:**
- ☐ **Date and Case Number:**
- ☐ **Present in Case Log**
- ☐ **Procedure:**
  - Type of surgery (recovery, VAP placement)
  - Goal of the procedure (provide long-term venous access for test compound administration)
- ☐ **Subject Information:**
  - Species (rat)
- ☐ **Animal Selection:**
  - Pre-surgical check (general exam for normal rodent behavior, condition of coat, eyes checked for discharge)
- ☐ **Anesthesia and Analgesia Regimens:**
  - Drug names, purpose, dose, site/route, frequency (Isoflurane inhalation anesthesia 3% with 1.5 LPM O<sub>2</sub> for induction and maintenance, Buprenorphine .05 mg/kg, SC pre-op and 6 hours later)
- ☐ **Animal Preparation:**
  - Fasting, shaving, positioning, surgical site prep, drape
- ☐ **Measures to Assure Asepsis:**
  - Surgical area
  - Surgeon prep regimen, (scrub, PPE)
  - Instruments/supply sterilization methods, (gas, steam, glass bead)

- **DETAILED Description of Surgical Technique:**
  - Incision site, description of tissues involved including names of tissues encountered, dissection methods, asepsis and tissue handling considerations,
  - Equipment/instruments used, (magnifying device, iris scissors, needle holders, Dumont forceps)
  - Procedure specifics,
  - Additional drugs/fluids administered if any and purpose, (.05 ml warm 0.9% Saline flushed through port to verify patency)
  - Site closure materials and methods (6-0 non-absorbable silk on a 6-0 reverse cutting needle, interrupted mattress stitch, 7 mm autoclips)
- **Intra-operative Monitoring and Pain Assessment:**
  - Parameters checked, frequency (respirations, temperature)
  - Equipment/methods used (rectal probe, observations recorded every 15 minutes)
  - Emergency interventions available if needed
- **Post-operative Monitoring and Pain Assessment:**
  - Supplemental heat
  - Parameters checked, frequency, signs of pain or distress
  - Equipment, personnel responsible
  - Duration/schedule, purpose, drugs
- **Post-procedure Follow-up:**
  - Treatments (antibiotics, suture/staple removal)
  - Euthanasia reason for, method used (animal in distress, CO<sub>2</sub> chamber)

# **Additional Information**

## **Certification Process:**

1. Before submitting payment, review the complete application package for the certification level you wish to complete
2. Ensure you will be able to meet all of the specific requirements listed in the application package
3. Plan ahead! Completing all the requirements listed for SRA, SRT and SRS typically takes 1 year
4. Successful completion of each certification level involves two components
  1. A complete application package is received, reviewed by our committee and deemed acceptable (ie. meets the requirements listed)
  2. The candidate sits and passes the certification exam
5. The ASR Certifications Committee will only review applications uploaded to the [ASR mydocs account](#) if payment has been received
6. Ensure your complete application package is uploaded no later than April 15<sup>th</sup> of the year you intend to write the exam
7. Applicants will receive notification the first week of July confirming acceptance to take the exam, or, a request for additional information. If more information is required, you will be contacted within 1 – 2 weeks. After this is provided, you will either be accepted or rejected to sit the exam
8. If the reason for rejection is “insufficient cases”, you will be given the opportunity to defer to the following year.
9. Start studying as soon as possible! A list of references can be found [Resources Section](#)

## **Holding Multiple Certifications:**

The SRA certification may be held in conjunction with either the **SRT** or **SRS** certification. However, the **SRS** and **SRT** certifications cannot be held simultaneously since the SRS certification builds on knowledge required for the SRT level, and therefore supersedes it. It is not necessary to obtain the SRT certificate prior to sitting for the SRS exam.

# **Certification Resubmission & Exam Retake Information:**

Members that have failed, missed, or have been excused from sitting for their exam may reapply or retake their Certification exam and remain in good standing (if applicable) by the following procedures detailed below.

## **(1) Failed Exam:**

- First Year Post
  - (1) Re-Submit a new application with original logs and narratives
  - (2) No fee to take the exam
  - (3) Submit failed letter from ASR
- There will be no additional attempts, submit as a new candidate

## **(2) Failure to Attend Exam:**

\*30 day grace period post test date to contact the testing committee with an explanation

- First Year Post (if excused)
  - (1) Re-Submit original application
  - (2) No fee to take the exam
  - (3) Submit excused letter from ASR Certification Committee
- There will be no additional attempts, submit as a new candidate

## **(3) Excused — Maternity, Military or other personal reasons:**

- General Procedures
  - (1) All excused leaves must be submitted in writing to the ASR Certification Committee
- First Year Post
  - (1) Re-submit original application and excused letter
  - (2) No fee to take the exam
  - (3) Updated six-month case log
  - (4) One updated narrative
- Second Year Post
  - (1) Re-submit original application and excused letter
  - (2) \$100.00 testing fee
  - (3) Updated two-year case log
  - (4) Two updated narratives
- There will be no additional attempts, submit as a new candidate