dictionary.reference.com/browse/sensor?s=t

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sensor 🔊

sen·sor \'sen-,sor, 'sen(t)-sər\

Spell   Syllables

Examples   Word Origin

noun

1. *(Anesthesiology)* Any device (electrode, transducer) by which information is detected and processed to be displayed for the benefit of patient care.

2. *(Publishing)* The collection of information from and for the community of anesthesia technologists and technicians, ultimately for the benefit of patient care.

McMahon, D. (1991). President's Message. *The ASATT Sensor*, 1-1

Can be confused

censer, censor, censure, **sensor**.

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PRESIDENT'S MESSAGE
Otoniel Castillo, Cer.A.T.T.

HELLO Anesthesia Technology professionals!

As I sit here pondering the work that lies ahead, I cannot help but recall the history of our Society. On May 18, 1996, we had the first group of anesthesia technicians take the national certification exam. That day was very important. It established and asserted a level of competency that was not previously available. Many members who were involved in that initial examination are still with us today. Almost twenty years have passed and our goals and efforts are still the education and certification of individuals interested in anesthesia technology.

Neil Postman, a college professor and author, writes in "The World Weavers/The World Makers" about education and the use of language. Postman asserts that semantics, the study of language and its use, is important in every field of study and education. We are able to talk about education, anesthesia technology and certification because we have been able to define our profession by those principles. It is my sincerest hope that all anesthesia technology professionals, certified and not certified, understand that we are indeed at another crossroads in our history. Our ranks have grown by an almost unimaginable number in just the past year.

Most of these gains were through the certification process. Our profession now rests its weight on education and certification. However, we must understand and accept that our profession still includes individuals who chose not to certify when it was possible. ASATT does not wish to alienate these individuals whose experience is valuable and noteworthy. In fact, I myself once refused to give credence to the certification process. I withheld my participation for many years thinking it was irrelevant and unnecessary. Indeed, time changes things. When the time came for me to move to a new place of work I was asked about certification and I had no good answer for the interviewer.

I had to recuse myself from job hunting until I could take the examination. It was 1999 and the Y2K scare was full-on. The national certification exam was being offered at UCLA for the 2000 calendar year. I was reluctant but needed the certification to work at the place of my choosing. The rest, as you may surmise, is history. After attaining certification, life changed for me. I felt like a professional. Never mind it was not recognized by the majority of hospital close to my home; I just felt empowered. It felt the same way when I took the Technologist exam in 2011. I defined myself by this certification. It is who I am. It became a very important thing to me.

This profession means many things to me. It is why I became involved at the national level back in 2009. Participation gave me appreciation for the leadership and how much work goes into making our Society successful. Looking back now, I do not regret getting involved and participating in the

MORE ▶

redefining of our national Society. I only wish that I had done it earlier. Furthermore, we are now at the doorstep of having recognition by regulatory agencies that will further stratify our work environment.

Like Postman asserts, "...someone has the power of definition. In fact, to have the power means to be able to define and make it stick." Our Society had not tapped this power for a long time. The power to define and redefine itself as it determines what is best for the profession. For far too long we have been at the whim of other professions and to a large degree have been defined by "suggestions and comments" from others. Martin Luther King put it best: "Too long has .... [ASATT] ... been bogged down in a tragic effort to live in a monologue rather than a dialogue." I want to be clear, ASATT has productive and meaningful relationships with our ASA, AANA and AAAA colleagues. However, who can define us best? It is ourselves.

Meaning is everything and it is conveyed through our actions and inactions. All anesthesia technology professionals must be "professional." How do we define professionalism? Well, if you ask ten people you may get eleven answers. In real terms, professionalism in the medical arena can only be conveyed through a few tools, EDUCATION and CERTIFICATION. These tools are what we are most familiar with. We have introduced EDUCATION and CERTIFICATION to our profession. Simply these two are domains that have no local jurisdiction issues. Licensure (often referenced) is an issue fraught with difficulties itself. Problems that cannot be verbalized or approached by a national organization like ASATT. Licenses are issued by individual states. It is here that we need to structure and define a strategic plan to make sure that our EDUCATION and CERTIFICATION message is not lost. Education is the foundation to our current examination and therefore a bedrock principle that is immutable.

Do not be deceived — certification carries equivalent weight and power as other forms of validation in our country. Furthermore, ASATT is actively seeking to introduce our profession either by statute or legislation into the professional business code of all states. This will take dedicated individuals that can follow through on the plan.

ASATT recognizes that educational opportunities will need to increase at the regional and local levels to meet the needs of membership. If you think that your facility may want to sponsor a local or regional education meeting, please contact ASATT headquarters or email you Regional Director. Henry David Thoreau says "...power and authority are derived ..." from the individual. ASATT's power and authority lie in the individual members who contributes to the excellence, advancement and education of our profession.

I want to congratulate the recent group of individuals who took the new technologist certification exam. They are pioneers, much like that group back in 1996. *It is a new day.*

ASATT has just completed the revision and updating of the SCOPE of PRACTICE. It is being posted on the website (ASATT.org). I encourage you to read it, analyze it and live by it. There are still many hurdles ahead of us. We have just begun a journey and we cannot deviate from the path we have traced for ourselves. Like most expeditions, there are challenges. However, the reward of discovery, adventure and acquisition of knowledge make the road easier to endure. We need our membership to be involved. Only through concerted, planned, well executed goals can ASATT dare to further change the anesthesia technology profession and the impact it brings to perianesthesia environments everywhere. As Virginia Woolf put it, this work "demands courage of the rarest." The gains we have attained so far have begun with courageous members who have given their "full measure of devotion," as Abraham Lincoln put it so eloquently.

We are currently planning the next national educational event in Chicago. We have some exciting news that will be communicated in the next *Sensor* about the meeting there. Plans are still being finalized. As soon as we get the go-ahead, we will inform you. Please start making plans to attend. This Society belongs to you. The Board and headquarters are an extension of your will. As we begin this fiscal year and commemorate twenty years of examination, let us not rest on our laurels. There is much to do and not many workers, so join us in the continued efforts to elevate our profession to the place we all know it deserves.

Otoniel Castillo, Cer.A.T.T.
ASATT President

New ASATT President Otoniel Castillo, Cer.A.T.T., addressing attendees at the 2015 Annual Meeting in Salt Lake City.

Who's Who

Jonnalee Burgess, Cer.A.T.

What is your current position?

Region 1 Director.

How many years have you been in the Anesthesia Technology profession?

24 years.

What do you find the most challenging about your job?

Lack of communication within the Operating Room.

What has been your proudest accomplishment?

Being a mother of twins who are now 21 years old and now taking care of my mother.

What is your favorite food?

Lobster.

You have just won your dream vacation. Where would you go?

Australia.

People would be very surprised to know that:

I used to be a correctional officer for a state prison.

What do you enjoy doing with your time?

Spending time with my grandsons, ages 2 and 16 months old.

What is your favorite type of music?

Anything, but mostly the '80s or today's Country.

What is your favorite movie?

P.S. I Love You.

What would you like to get around to doing one of these days?

Going on a cruise to the Caribbean.

What goals, expectations or changes do you foresee being accomplished by ASATT?

I would love to see ASATT in the near future to be as big as the AANA and I strongly believe that we are getting there. ■

Greg Farmer, Cer.A.T.

What is your current position?

Certified Anesthesia Technician/ASATT Region 5 Director/Morale and Culture Chairman.

How many years have you been in the Anesthesia Technology profession?

11.

What do you find the most challenging part of your job?

Changing the culture of "non-participating" anesthesia techs to "participating" anesthesia techs. Encouraging fellow techs to get more involved in their profession and their livelihood.

What has been your proudest accomplishment?

Being elected Region 5 director by my peers.

What is your favorite food?

I would have to say Italian, but I have an adventurous palate!

You have just won your dream vacation. Where would you go?

Hmmm. I guess I would start out on a Mayan Ruins Tour through Mexico and Central America, get some diving in Palau and the Great Barrier Reef, gamble in Macau, see the ruins in Angkor Wat, take in the sights in Moscow, skip around Europe for a bit and go to Oktoberfest, dive in Iceland and touch the two major plates, live it up in Las Vegas, relax on the beach in the Caribbean then home.

People would be very surprised to know that:

I can be quite shy and I get nervous around people.

What do you enjoy doing with your time?

Spending time with people I care about. Whatever it may be.

What is your favorite type of music?

I listen to almost everything, but mostly rock & roll.

What is you favorite movie?

I have many that I love.

What would you like to get around to doing one of these days?

Travel to Europe.

What goals, expectations or changes do you foresee being accomplished by ASATT?

I hope to have Regional meetings in every state in Region 5 in the next two years. I foresee ASATT raising the profile of our profession nationwide through education and legislation. ■

Background to This Issue's Science and Technology Article

THE SENSOR is the official quarterly publication of the American Society of Anesthesia Technologists and Technicians that was established under the leadership of then-President Dennis McMahon to meet the Society's primary goals as a means of communication between the Board of Directors and our membership as well as to provide educational material for the anesthesia technology professional. To achieve these goals, the Board of Directors determined that the composition of *THE SENSOR* would consist of reviews of current technology, reports on new techniques and provide a forum for Regional Directors to report recent and future activities. Additionally, the Board of Directors would utilize *THE SENSOR* to report the Society's goals of the progress being made toward the formal training and certification for the anesthesia technology profession. The first formal edition made its debut in January 1991 in "hardcopy format." In 2010, *THE SENSOR* transitioned over to an electronic version.

The purpose of the **Science and Technology** article is to provide an additional educational avenue for anesthesia technology professionals. While each edition of *THE SENSOR* has offered some form of continuing education, it wasn't until the Summer 1999 issue that the Science and Technology article included a corresponding quiz that could be used as continuing education credits towards recertification. To date, the subject matter has pertained to the anesthesia environment — specifically those topics directly related to anatomy and physiology, pharmacology, biotechnology or procedures employed by anesthesia professionals to care for patients in the anesthetizing environment.

We are taking advantage of this issue's Science and Technology article to communicate, educate and emphasize to both members and non-members alike, the importance of staying abreast of the ongoing changes to the profession of anesthesia technology by regularly accessing the ASATT website and reading the quarterly issue of *THE SENSOR* in its entirety. As this is an official ASATT document, we will not be publishing it in the usual S&T format. The title and content of this S&T article will cover the recent revision to the **Scope of Practice for Certified Anesthesia Technologists and Technicians.** It begins on the following page and concludes on page 18.

American Society of Anesthesia Technologists and Technicians

Scope of Practice

Approved:
November, 2015

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SCOPE OF PRACTICE FOR
ANESTHESIA TECHNOLOGY PROFESSIONALS

Overview and Exclusions

Anesthesia technology is an allied health profession specifically focused on fundamental and advanced clinical procedures which assist the anesthesia provider in the safe and efficient care of patients. The profession has generally been stratified into three different groups:

- Non-certified anesthesia technician
- Certified Anesthesia Technicians (Cer.A.T.)
- Certified Anesthesia Technologist (Cer.A.T.T.)

Each of these groups has experienced change in the past 20 years. The ability to achieve Certification is granted only to individuals who have attended an approved or accredited educational program. The requirement was implemented in full force on July 15, 2015.

The American Society of Anesthesia Technologist & Technicians (ASATT) recognizes individuals who have passed the ASATT National Certification Exam (NCE). Prior July 15, 2015, there were two examinations available. As part of the ASATT's planning and educational goals, only one examination and one category will be sponsored through educational programs in the future.

Certified Anesthesia Technologist (Cer.A.T.T.) is the only designation that will be sponsored by educational programs and the only certification available through ASATT as of July 15, 2015.

ASATT cannot validate any knowledge base or outline a scope of practice for non-certified anesthesia technicians. Therefore, no further mention or recognition of these individuals will be made in this document.

ASATT will continue to recognize Certified Anesthesia Technologists (Cer.A.T.T.) and Certified Anesthesia Technicians (Cer.A.T.) and their corresponding scopes of practice, albeit there are significant parallels between the two roles.

All certified anesthesia technology professionals work under the direction of an anesthesia care provider as vital members of the anesthesia care team. The Certified Anesthesia Technologist and Certified Anesthesia Technician are proficient in the application, acquisition, preparation, and troubleshooting of various types of equipment required for the delivery of anesthesia care. Their knowledge base includes anatomy, physiology, pathophysiology, pharmacology, and principles of anesthesia technology.

Independent judgment is required for rapid response to the quickly changing circumstances in the patient care environment. Certified Anesthesia Technologists and Certified Anesthesia Technicians exhibit professionalism in patient and staff interactions. Certified Anesthesia Technologists and Certified Anesthesia Technicians may work in a variety of clinical settings including: hospital operating rooms, interventional and diagnostic radiology, labor and delivery units, intensive care units, emergency rooms, outpatient procedure suites, and ambulatory surgery centers.

INTRODUCTION

Definition

Scope of practice is the legally authorized parameter regarding the clinical functions of assessment, intervention and level of care a healthcare practitioner can provide to a patient.

While an organization may limit or narrow the scope of practice of an individual through a job description and/or policy and procedure, an organization may not allow an employee to act outside his or her legal scope of practice.

Defining the Issue

The basic intent of scope of practice is to ensure that a healthcare practitioner has the appropriate education, knowledge and experience to care for a patient.

Scope of practice is predominantly found or defined in:

Federal laws   Job descriptions
Medicare regulations   Hospital policies and procedures
Accreditation standards   Legal opinions
Clinical settings

Job descriptions, legal opinions and policies and procedures can define the operational functions and responsibilities of a specific position, however, the definition cannot exceed the laws that regulate the certified practitioner's scope of practice.

Consequences

There are significant risks identified with violations of scope of practice. Legal liabilities exist for the practitioner, the supervisor(s) and the organization when the practitioner practices outside of his/her scope of practice.

Anesthesia Technology

The American Society of Anesthesia Technologists and Technicians (ASATT) defines the scope of practice for certified anesthesia technologists and certified anesthesia technicians.

The commitment of ASATT is to ensure anesthesia technical personnel are educated, safe, competent, and ethical while providing care for patients; and to ensure a professional scope of practice encompassing:

1. **Education:** By developing and standardizing educational programs and opportunities for anesthesia technology professionals at a national level.
2. **Patient Safety:** The right patient, the right practitioner performing the right clinical service at the right time supports patient safety.
3. **Quality:** The healthcare practitioner must have the appropriate education, knowledge and experience to care for patients.
4. **Compliance:** Scope of practice is defined by ASATT and monitored by regulatory agencies.
5. **Legal Requirements:** All care activities must be appropriately documented and provided by personnel operating within their scope of practice.

The ASATT acknowledges that anesthesia technical personnel are a part of the anesthesia care team as listed in the practice guidelines of the American Society of Anesthesiologists (ASA).

SCOPE OF PRACTICE FOR ANESTHESIA TECHNOLOGY

The following information defines the scope of practice for the certified anesthesia technologist and certified anesthesia technician as put forth by the American Society of Anesthesia Technologists and Technicians (ASATT) by adherence to standardized education and training, and validated through the national certification examination.

Airway Management and Ventilation

Certified Anesthesia Technologists and Certified Anesthesia Technicians are required to demonstrate knowledge, comprehension and support the application of anesthetic principles and guidelines in relation to airway management during patient care.

1. Basic airway setup.
2. Troubleshoots problems or issues that arise with airway equipment.
3. Assists with appropriate airway management techniques based on patient condition.
4. Demonstrates appropriate knowledge and assists with "rapid sequence inductions."
5. Selects appropriately sized airway equipment.
6. Assists with patient denitrogenation prior to the induction of anesthesia.
7. Appropriately assists with treatment of airway obstructions.
8. Optimizes patient position during airway management.
9. Assists with mask ventilation and supports the anesthesia care provider with oxygen delivery during periods of desaturation.
10. Identifies various intubation modalities.
11. Assists with confirmation of correct placement of endotracheal tube following endotracheal intubation.
12. Assists with treatment of a partial or complete laryngospasm.
13. Demonstrates a thorough knowledge of the ASA difficult airway algorithm.
14. Has knowledge of the proper procedure and equipment required for nasal intubation.
15. Demonstrates appropriate knowledge and is able to assist with placement of airway adjuncts and confirm placement (when appropriate) such as, but not limited to:

   - Combitube
   - Double lumentube
   - Eschmann stylet
   - Glidescope
   - Fiberoptic bronchoscope
   - Light wand
   - LMA
   - LMA Fastrach
   - Percutaneous cricothyrotomy
   - Transtracheal ventilation
   - Others

16. Demonstrates an appropriate knowledge and ability to assist with extubation.
17. Demonstrates airway management knowledge, comprehension and assistance in all age groups.
18. Understands the physiologic differences between "volume" and "pressure" modes of ventilation.
19. Assists with diagnosis and treatment of the following problems in relation to manual or artificial ventilation:

   - Accidental extubation
   - Anesthesia machine malfunction
   - Endotracheal tube migration
   - Hypercarbia/hypocarbia
   - Hypoxia
   - Increased peak airway pressures

Fluids, Whole Blood and Blood Component Management

Certified Anesthesia Technologists and Certified Anesthesia Technicians are required to demonstrate knowledge, comprehension and practical assistance with relation to fluid, whole blood, salvaged blood and blood component management during patient care.

1. Understands the relationship of fluid deficit, maintenance fluid, blood, and insensible losses to the patient.
2. Collaborates with the anesthesia provider in a fluid plan.
3. Understands the differences between colloid and crystalloid solutions.
4. Understands the complications that can occur as a result of administering blood and blood products.
5. Assists in identifying and provides support in the treatment of transfusion related reactions.
6. Understands and is proactively involved during the administration of blood and blood products.

ASATT validates the following practices for Certified Anesthesia Technologists

1. Demonstrates ability to secure intravenous access.
2. Understands and provides appropriate fluid types per patient situation and confirms with the anesthesia provider.
3. Demonstrates knowledge and understanding of ABO, Rh typing.
4. Demonstrates knowledge and assists with proper procedure for checking blood and blood products.

Pharmacology

Certified Anesthesia Technologists and Certified Anesthesia Technicians are required to demonstrate knowledge of pharmaceuticals and their practical use by the anesthesia provider during patient care.

1. Identifies side effects of commonly used drugs based on human physiology, patient condition and body habitus for the following drug classes:

- Antacids
- Antibiotics
- Antihistamines
- Anti-inflammatory agents
- Antihypertensive agents
- Antihyperglycemic agents
- Antiemetics
- Anticoagulants
- Anticholinergics
- Anticholinesterases
- Benzodiazepine antagonists
- Bronchodilators
- Benzodiazepines
- H2 blockers
- Induction agents
- Narcotics
- Narcotic antagonists
- Neuromuscular blocking agents
- Inhalation agents
- Local anesthetics
- Vasopressors

This list is NOT exhaustive

2. Demonstrates knowledge and basic comprehension of medications in sequence and dose as mandated by the American Heart Association ACLS/PALS guidelines.
3. Identifies potential drug interactions and has knowledge of alternative medications.
4. Identifies adverse drug reactions.

Pathophysiology and Anesthesia Management

Certified Anesthesia Technologists and Certified Anesthesia Technicians are able to demonstrate knowledge, comprehension and practically apply the following factors in relation to pathophysiology and anesthesia management during patient care.

1. Supports the application of anesthetic principles related to pathophysiology in relation to the following case types:

- Cardiovascular
- Gastrointestinal
- Genitourinary
- Hematologic
- Hepatic
- Musculoskeletal
- Neurologic
- Renal
- Respiratory

This list is NOT exhaustive

2. Collaborates in the development and implementation of an anesthesia care plan for patients with various/ concomitant disease states.
3. Uses pathophysiological knowledge, comprehension and its application to all age groups.

Utilization of Biotechnology and Monitoring Equipment

Certified Anesthesia Technologists and Certified Anesthesia Technicians are knowledgeable, and can practically apply the following factors in relation to utilization of biotechnology during patient care.

1. Perform anesthesia machine checkouts.
2. React to device alarms, diagnoses, and treats problems.
3. Demonstrate ability to troubleshoot anesthesia machine, ASA monitors, and adjunct equipment problems.
4. Demonstrate knowledge, comprehension, and practically applies the following monitors and adjunct equipment in collaboration with the anesthesia care provider.

- Active warming devices
- Capnography/capnometry
- Drug infusion pumps
- Electrocardiograms
- Fluid warmers
- Neuromuscular blockade monitors
- Precordial/esophageal stethoscopes
- Pulse oximeters
- Rapid infusers

This list is NOT exhaustive

5. Demonstrates knowledge and indications for placement and procedure of the following invasive pressure monitors:

- Arterial pressure
- Central venous pressure
- Intra-cardiac/pulmonary artery pressure
- Intracranial pressures

6. Understands and utilizes information from invasive pressure monitoring to assist in the care of patients.
7. Knowledgeable in application of equipment for neuroaxial anesthesia and regional anesthesia.
8. Utilizes biotechnology and monitoring knowledge for application to all age groups.
9. Understands and applies universal precautions.

Critical Events Management in Anesthesia

Certified Anesthesia Technologists and Certified Anesthesia Technicians demonstrate knowledge, practically apply and participate in critical event management during patient care.

1. Comprehends and supports the application of anesthetic principles related to critical event management with the following:

   - Airway
   - Acid/Base, Electrolyte imbalances
   - Anaphylaxis
   - Cardiac
   - Disseminated Intravascular Coagulation
   - Hemorrhage
   - Local Anesthetic Toxicity
   - Machine Malfunction
   - Malignant Hyperthermia
   - Renal Dysfunction
   - Shock States
   - Ventilation

   This list is NOT exhaustive

2. Identifies signs and symptoms and correctly assist crisis situations.
3. Assists with appropriate plan of treatment for a specific critical event.
4. Utilizes BLS, crisis management knowledge, comprehension, and application to all age groups.

Furthermore, it is recommended that the Certified Anesthesia Technologist also assist in treating patients according to the American Heart Association Standards and guidelines for ACLS and PALS.

Recommended Additional Certifications

Certified Anesthesia Technologists and Certified Anesthesia Technicians are required to show competency in American Heart Association (AHA) Basic Life Support (BLS)

Certified Anesthesia Technologists are required to show further competency by obtaining AHA Advanced Cardiac Life Support (ACLS) certification.

It is recommended that if a Certified Anesthesia Technologist works in an environment rich with pediatric patients that AHA Pediatric Advanced Life Support (PALS) certification also be obtained.

Equipment Guidelines

Certified Anesthesia Technologists and Certified Anesthesia Technicians are to demonstrate knowledge, understanding and operational familiarity in relation to critical and non-critical equipment during patient care. These lists are NOT exhaustive, and are intended as guidelines. In general all certified anesthesia technology professionals should demonstrate knowledge and aptitude with multiple devices and equipment. Furthermore, an understanding of maintenance standards and regulations should be demonstrated. Guidelines, policies and competencies should minimally include:

- Calibration
- Functional testing
- Principles of operation
- Requisitioning for inspections
- Recording of inspections
- Routine maintenance
- Sterilization
- Troubleshooting

Furthermore, certified anesthesia technology professionals shall understand and assist with the following

- Anesthetic Delivery Systems
- Airway Equipment
- Cardiovascular
    - ECG
    - Arterial pressure
    - CVP pressure
    - PAP pressure
- Central nervous system
    - ICP
    - NIRS technology
- Airway and pulmonary monitors
    - Capnography
    - SpO2
    - Blood gases
- Digital or mechanical pumps
- Peripheral and in situ nerve stimulators
- Temperature monitors
- Fluid/blood warmers
- Warming and Cooling equipment
- Ultrasound

ASATT recommends that assistance, testing and operation of following devices be performed preferably by Certified Anesthesia Technologists

- Blood salvaging devices (Cell saver)
- Transesophageal Echocardiography (TEE)
- Intra-aortic balloon pump (IABP)
- Mechanical function of infusing local anesthetics as directed and in the presence of an Anesthesia care provider

- Point of Care testing and Lab equipment
    - Activated Clotting Time tests
    - Arterial blood gas analysis
    - Blood chemistry (i.e. i-Stat)
    - Glucometry
    - Hemoglobin/Hematocrit testing (i.e. HemoCue)
    - Rotational Thromboelastometry (ROTEM)
    - Thromboelastogram (TEG)

Work Areas where Anesthesia Technology Professionals Interact

Certified Anesthesia Technologists and Certified Anesthesia Technicians work areas may include:

- Operating rooms(OR)
- Obstetrics suites(OB)
- Interventional and/or diagnostic radiology
- Post anesthesia care unit (PACU)
- Intensive care unit (ICU)
- Catheterization laboratory

- Emergency room (ER)
- Endoscopy areas
- Dental suites
- Ambulatory surgery suites
- Animal and research laboratories
- Magnetic resonance imaging

Regulatory Compliance

In the execution of their practice the Certified Anesthesia Technologist and Certified Anesthesia Technician will maintain and organize the anesthesia environment, equipment, supplies and personnel to facilitate department functions. These functions may include:

- Recognizes, adheres and is knowledgeable of The Joint Commission (TJC) accreditation policies and procedures, sentinel events, national safety goals, environment of care and other TJC recommendations.
- Confirms and maintains sterile supplies within the expiration date according to established practice.
- Understands and complies with inventory rotation and use per accepted standards.
- Ensures accuracy and retains maintenance records of essential anesthetic equipment or has immediate access to records.
- Adheres to guidelines provided by Material Safety Data Sheets (MSDS) on hazardous materials and supplies within the anesthesia environment.
- Understands Occupational Safety & Health Administration guidelines for anesthesia and patient safety in the perioperative environment.
- Conducts quality control procedures after repair or service to equipment.
- Assist in the preparation of the capital budget for the anesthesia department.
- Provides training and orientation to staff as needed.
- Maintains medications within their expiration date and properly disposes of unused or remnants in appropriate containers.
- Is knowledgeable of the College of American Pathologists (CAP) and the Center for Medicare and Medicaid Services' (CMS) Clinical Laboratory Improvement Amendments (CLIA) regulations for ancillary laboratories.
- Understands and follows the American Association of Blood Banks (AABB) recommendation and policies regarding banked blood products and cell salvaged blood.
- In accordance with employer and professional policies; recognizes and adheres to conduct and ethics rules.

Management or Supervisory Roles

In the practice of Certified Anesthesia Technologists and Certified Anesthesia Technicians it may be necessary to develop a hierarchical position to maintain and organize the anesthesia technology staff. When establishing a leadership role, the selected individual should demonstrate exemplary ability to organize and coordinate functions for the department. It is recommended that such individuals have numerous years of experience and or achieved a suitable advanced academic degree.

References

Anesthesia Technologist Standards Appendix B *National Standard Curriculum* September 2011:2015
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INDIVIDUALS PASSING THEIR EXAMS

Individuals who have earned the Cer.A.T. designation:

Abate, Linda, Cer.A.T. .... Pittsburgh, PA
Acheampong, Samuel, Cer.A.T. .... Durham, NC
Aguilar, Issac, Cer.A.T. ....Thornton, CO
Aguirre, Lorenzo, Cer.A.T. ....Odessa, TX
Aim, Connie, Cer.A.T. ....Peoria, AZ
Akerman, Pamela, Cer.A.T. ....Kent, WA
Allen, Jwyan, Cer.A.T. ....Woodbridge, VA
Alvarez, Jacqueline, Cer.A.T. .... Terrell, TX
Amaro, Rosa, Cer.A.T. ....Fillmore, CA
Andrews, Bailey, Cer.A.T. ....Yucaipa, CA
Antoine, Andre, Cer.A.T. ....Clifton, NJ
Arnold, Steven, Cer.A.T. .... Corpus Christi, TX
Arthur, Wendy, Cer.A.T. ....Vorhees, NJ
Arzaga, Carlos, Cer.A.T. ....Dallas, TX
Ashley, Tommie, Cer.A.T. .... Millsap, TX
Atherley, Richard, Cer.A.T. .... Sacramento, CA
Atkinson, Ashley, Cer.A.T. ....Nashville, TN
Avila, Alexander, Cer.A.T. ....Grand Prairie, TX
Avila, John, Cer.A.T. ....Cathedral, CA
Baalla, Jawad, Cer.A.T. ....Sterling, VA
Bacca, Juan, Cer.A.T. ....Denver, CO
Baker, Andrea, Cer.A.T. .... Houston, TX
Baker, Ashley, Cer.A.T. .... Webster, TX
Barnhardt, Tarasse, Cer.A.T. .... Leland, NC
Barrow, Ronnie, Cer.A.T. ....Kirkland, WA
Barton, Jacqueline, Cer.A.T. ....North Little Rock, AR
Bashir, Aalliyah, Cer.A.T. .... Arlington, TX
Bello, Jonathan, Cer.A.T. .... Fall River, MA
Belton, Paivi, Cer.A.T. ....Fairview, TN
Bennett, Dorman, Cer.A.T. .... Cleveland Height, OH
Bennett, Nikia, Cer.A.T. ....Highland, NY
Berg, Barbara, Cer.A.T. .... Dousman, WI
Bido, Benny, Cer.A.T. ....Hialeah, FL
Blyden, Adam, Cer.A.T. .... Arcadia, SC
Bortolan, Mary, Cer.A.T. .... Brandford, CT
Bosket, David, Cer.A.T. .... Allentown, PA
Boyd, Bonnie, Cer.A.T. .... Claymont, DE
Braim, Dean, Cer.A.T. .... Bethlehem, PA
Brannon, Marsha, Cer.A.T. ....Jonesville, SC
Bray, Braxton, Cer.A.T. ....Philadelphia, PA
Brazill, Raymond, Cer.A.T. ....Nashville, TN
Brewer, Christopher, Cer.A.T. ....Modesto, CA
Brown, Corey, Cer.A.T. .... Houston, TX
Brown, Lawanda, Cer.A.T. ....Grand Prairie, TX
Brown, Rawn, Cer.A.T. ....Fairfield, CA
Buchanan, Kayla, Cer.A.T. ....Hendersonville, TN
Burcheci, Steven, Cer.A.T. ....Redmond, WA
Burgett, Tyler, Cer.A.T. .... Richland, WA
Burroughs, Robin, Cer.A.T. ....Philadelphia, PA
Butler, Alex, Cer.A.T. ....Somerville, MA
Caballero, Raquel, Cer.A.T. .... Santa Clara, CA
Camp, Brian, Cer.A.T. .... Missouri City, TX
Campbell, Colin, Cer.A.T. .... Bellingham, WA

Campbell, Robert, Cer.A.T. .... Sanford, FL
Campos, Frank, Cer.A.T. .... Bronx, NY
Camus, Lorenzo, Cer.A.T. ....Long Beach, CA
Cao, James, Cer.A.T. .... Cohoes, NY
Carpenter, Shontavia, Cer.A.T. .... Humble, TX
Castanos, Penelope, Cer.A.T. .... Haverhill, MA
Catlett, John, Cer.A.T. ....Las Cruces, NM
Cervantes, Jose, Cer.A.T. .... Tulare, CA
Chavis, Victoria, Cer.A.T. ....Buckley, WA
Chen, Yuchieh, Cer.A.T. .... Chapel Hill, NC
Cherek, Jennifer, Cer.A.T. .... Hatley, WI
Christe, Edgar, Cer.A.T. .... Sacramento, CA
Christian, Shaun, Cer.A.T. ....Baltimore, MD
Ciotti, Mark, Cer.A.T. ....Winter Springs, FL
Clancy, Shannon, Cer.A.T. .... North Syracuse, NY
Clark, Eric, Cer.A.T. .... South Ozone Park, NY
Clark, Victor, Cer.A.T. ....Blacklick, OH
Cobb, Tonya, Cer.A.T. .... Sand Springs, OK
Coleman, Dyrius, Cer.A.T. .... Plano, TX
Collins, Keith, Cer.A.T. ....Seattle, WA
Connelly, Beth, Cer.A.T. ....Lebanon, PA
Cooper, Sharon, Cer.A.T. ....Glennville, GA
Coover, Jason, Cer.A.T. ....Moore, OK
Corpuz, Richard, Cer.A.T. ....Salem, MA
Counts, Wendell, Cer.A.T. .... Vacaville, CA
Crable, Chris, Cer.A.T. .... San Jose, CA
Creason, Nicole, Cer.A.T. .... Phoenix, AZ
Crowell, Mike, Cer.A.T. ....Scottsdale, AZ
Crusenberry, Lisa, Cer.A.T. ....Charleston, SC
Cruz, Bernard Rian Sylvester D, Cer.A.T. .... La Union
Cummings, Shian, Cer.A.T. ....Dallas, TX
Cuna, Martin, Cer.A.T. ....Middle Village, NY
Daniels, Francis, Cer.A.T. ....Oakland, CA
Darwin, Eric, Cer.A.T. ....Irving, TX
Davis, Shannon, Cer.A.T. .... Colorado Springs, CO
Davish, Anuar, Cer.A.T. ....Commerce Township, MI
Dean, Christian, Cer.A.T. .... Corrales, NM
Delancy, Krysten, Cer.A.T. ....Nassau
Delzell, Benjaminne, Cer.A.T. ....Tiffin, IA
Denewiler, Alix, Cer.A.T. ....Mesa, AZ
Derugina, Nana, Cer.A.T. .... Westminister, CO
Dibba, Amadou, Cer.A.T. ....Lynnwood, WA
Dimiteanova, Vesselina, Cer.A.T. .... Henderson, NV
Do, Tommy, Cer.A.T. ....Spring Valley, CA
Dominiak, Vicky, Cer.A.T. .... Kelso, WA
Dover, William, Cer.A.T. .... Bellflower, CA
Drew, Caitlin, Cer.A.T. .... Carnegie, PA
Driskill, Rebecca, Cer.A.T. .... Chicago, IL
Duffin, Courtney, Cer.A.T. ....Baltimore, MD
Dunlap, Christine, Cer.A.T. ....Nashville, TN
Eby, Rebecka, Cer.A.T. ....Reno, NV
Eisner, Rochelle, Cer.A.T. .... Green Bay, WI
Elizondo, Norberto, Cer.A.T. ....Altmonte Springs, FL

MORE ▶

INDIVIDUALS PASSING THEIR EXAMS

Espinosa, Martin, Cer.A.T. .... Santa Ana, CA
Esposito, Nicole, Cer.A.T. ....Staten Island, NY
Estrada, Anna, Cer.A.T. ....Alhambra, CA
Evans, Scott, Cer.A.T. .... Fraser, MI
Fannin, Maura, Cer.A.T. ....Baltimore, MD
Fares, Said, Cer.A.T. ....Revere, MA
Farrar, Charles, Cer.A.T. .... Turlock, CA
Felix Noriega, Maria, Cer.A.T. .... Inglewood, CA
Felix, Kurt, Cer.A.T. .... Norwalk, CT
Ferris, Joel, Cer.A.T. ....Winston-Salem, NC
Fickau, Lindsey, Cer.A.T. ....Big Bend, WI
Flores, Samantha, Cer.A.T. .... Chicago, IL
Foley, David, Cer.A.T. .... Tuscon, AZ
Francis, Andrew, Cer.A.T. ....Brooklyn, NY
Frandsen, Bente, Cer.A.T. ....Providence Forge, VA
Franklin, Benson, Cer.A.T. .... Madison, TN
Freeman Sr, Roderick, Cer.A.T. .... Ossining, NY
Freeman, Joy, Cer.A.T. .... Lexington, NC
Fuentes, Jose, Cer.A.T. .... Los Angeles, CA
Gallardo Moran, Sonia, Cer.A.T. .... Missouri City, TX
Garay, Maria, Cer.A.T. .... Houston, TX
Garcia, Dario, Cer.A.T. .... San Jose, CA
Gardner, Brenda, Cer.A.T. .... Fort Worth, TX
Garnica, Viviana, Cer.A.T. .... Fontana, CA
Gebhardt, Ellen, Cer.A.T. .... Carol Stream, IL
George, Ivan, Cer.A.T. ....Baltimore, MD
German, Ksenia, Cer.A.T. ....Brooklyn, NY
Gilbert, Jimmy, Cer.A.T. ....Duyallup, WA
Gilbert, Kimberly, Cer.A.T. ....Baltimore, MD
Gingras, Helene, Cer.A.T. ....Pittsfield, MA
Gjonomadhi, Edi, Cer.A.T. ....Troy, MA
Gooden, Laura, Cer.A.T. ....Lauderhill, FL
Granison, Jack, Cer.A.T. ....Seattle, WA
Graves, Joseph, Cer.A.T. ....Grand Rapids, MI
Greene, Melissa, Cer.A.T. .... Davenport, FL
Grogans, Camron, Cer.A.T. ....Antioch, CA
Guerrero, Lisa, Cer.A.T. ....Corona, CA
Gutierrez, Jose E, Cer.A.T. .... Miami, FL
Guzman, Jeremy, Cer.A.T. .... Flagstaff, AZ
Hagelgantz, Melinda, Cer.A.T. .... Forest Falls, CA
Hamilton, Jacquae, Cer.A.T. ....Essex, MD
Hanna, Christopher, Cer.A.T. .... Meridian, ID
Hanson, Zachary, Cer.A.T. .... Washington, IA
Harrington, Annette, Cer.A.T. .... White Plains, NY
Harrington, Gonzolous, Cer.A.T. ....Winston-Salem, NC
Harris, Quentin, Cer.A.T. .... Lancaster, TX
Harvey, Luz, Cer.A.T. .... Medford, MA
Hawkins, Jacqueline, Cer.A.T. ....Ellenboro, WV
Hayes, Michael, Cer.A.T. .... Chicago, IL
Hayes, Valerie, Cer.A.T. .... Huntsville, AL
Hernandez, Gilbert, Cer.A.T. .... San Pedro, CA
Herron, Ashckina, Cer.A.T. ....Tacoma, WA
Hill, Kimberly, Cer.A.T. .... Harrisburgh, PA
Hix, Cameron, Cer.A.T. ....Shelbyvville, TN
Ho-Sang, Monet, Cer.A.T. ....Breinigsville, PA

Hoewing, Joshua, Cer.A.T. .... Marsing, ID
Hood Jr, Phillip, Cer.A.T. ....Hermitage, TN
Horn, Rachel, Cer.A.T. .... Houston, TX
Huber, Sara, Cer.A.T. ....Fair Oaks, CA
Huege, Rodney, Cer.A.T. .... San Jose, CA
Hughes, Andrew, Cer.A.T. .... West Allis, WI
Hughes, Jacqueline, Cer.A.T. ....Vadosta, GA
Hunt, Thomas, Cer.A.T. .... Colorado Springs, CO
Hurtado, Teresa, Cer.A.T. .... Wilmington, CA
Hussett, Nicola, Cer.A.T. .... Bronx, NY
Ingraham, Cathy, Cer.A.T. .... Fairhaven, MA
Ingraham, Robert, Cer.A.T. ....Summerville, SC
Irby, Donald, Cer.A.T. .... Richmond Heights, OH
Jackson, Nicklas, Cer.A.T. ....Garland, TX
Jackson, Phillippo, Cer.A.T. .... Aheville, NC
James, Suzanne, Cer.A.T. .... Bronx, NY
Jankovic, Biljana, Cer.A.T. .... Tuscon, AZ
Jennings, Marcus, Cer.A.T. ....Greer, SC
Jimenez, Arnel, Cer.A.T. ....Modesto, CA
John, Babu, Cer.A.T. .... Garden City Parks, NY
Johns, Lisa, Cer.A.T. .... Glen Burnie, MD
Johnson, Christine, Cer.A.T. ....Manchester, NH
Johnson, Kadra, Cer.A.T. ....Nassau
Johnson, Tanya, Cer.A.T. .... Ypsilanti, MI
Jones, Brian, Cer.A.T. .... Houston, TX
Jones, Joyce, Cer.A.T. ....Baltimore, MD
Jones, Kenneth Micheal, Cer.A.T. ....Clearwater, FL
Jones, Stephanie, Cer.A.T. .... Grafton, WI
Jose, Joshua, Cer.A.T. ....Honolulu, HI
Joseph, Coleen, Cer.A.T. .... Sugarland, TX
Joseph, Kurt, Cer.A.T. .... Houston, TX
Jozsa, Rebecca, Cer.A.T. ....Dana Point, CA
Jucksch, Brandy, Cer.A.T. .... Redd Oak, TX
Jureack, Anthony, Cer.A.T. .... Tuscon, AZ
Keefer, George, Cer.A.T. .... Greenville, PA
Kennedy, Frances, Cer.A.T. .... Jacksonville Beach, FL
Kent, Katherine Joy, Cer.A.T. ....Crockett, CA
Khan, Tanveer, Cer.A.T. ....Richardson, TX
Kissling, Cheryl, Cer.A.T. .... Brunswick, OH
Kolln, Damien, Cer.A.T. .... Yelm, WA
Kortendick, Christopher, Cer.A.T. ....Marysville, WA
Kortlever, Jeremy, Cer.A.T. ....Shedd, OR
Koster, Stephen, Cer.A.T. ....Salem, MA
Kote, Terry, Cer.A.T. .... Gurley, AL
Kotonias, Alexander, Cer.A.T. .... Tuscon, AZ
Krulish, Brian, Cer.A.T. ....Brewster, NY
Kumar, Navindra, Cer.A.T. ....Kissimmee, FL
Landrum, David, Cer.A.T. ....Escondido, CA
Lastrapes, David, Cer.A.T. .... Katy, TX
Learn, Jacob, Cer.A.T. .... Redlands, CA
Lebron, Kenie, Cer.A.T. .... Edge Water Park, NJ
Lee, Joseph, Cer.A.T. .... Richmond, VA
Legere, Michael, Cer.A.T. .... Houston, TX

MORE ▶

INDIVIDUALS PASSING THEIR EXAMS

Legge, Sandra, Cer.A.T. ....Waterford, MI
Lemley, Audra, Cer.A.T. ....Raleigh, NC
Lewis, Kristen, Cer.A.T. ....Baltimore, MD
Lewis-Ferguson, Tara, Cer.A.T. ....Tacoma, WA
Lilly, Lester, Cer.A.T. ....Baltimore, MD
Littlejohn, Krystal, Cer.A.T. ....Sweet Home, AR
Longoria, Carlos, Cer.A.T. ....Fresno, TX
Lopez, Cristina, Cer.A.T. ....Oak Forest, IL
Lorenz, Lori, Cer.A.T. ....Fairfield, CA
Louissaint, Ralph, Cer.A.T. ....Pomona, CA
Lozano, Manases, Cer.A.T. ....Elmhurst, NY
Lujares, Anthony, Cer.A.T. ....Brockton, MA
Lutz, Elizabeth, Cer.A.T. ....Glem Burnie, MD
Majcher, Erik, Cer.A.T. ....Littleton, CO
Maldonado, Gina, Cer.A.T. ....Sunnyvale, CA
Mancera, Jorge, Cer.A.T. ....Piscataway, NJ
Manuel, Jose Jonathan, Cer.A.T. ....San Jose, CA
Marfin, Alex, Cer.A.T. ....Fort Worth, TX
Mark, Regina, Cer.A.T. ....Baltimore, MD
Marovic, Michelle, Cer.A.T. ....Flushing, NY
Marti, Lawrence, Cer.A.T. ....Indian Orchard, MA
Martinez, Cesar, Cer.A.T. ....Pearland, TX
Martinez, Leticia, Cer.A.T. ....Fort Worth, TX
Martinez, Rita, Cer.A.T. ....Torrance, CA
Marx, Vickie, Cer.A.T. ....Lacrescent, MN
Matsuda, Janet, Cer.A.T. ....Greenbay, WI
Matthews, Brandon, Cer.A.T. ....Baltimore, MD
Mayotte, Brittany, Cer.A.T. ....East Troy, WI
Mcfadden, Thamesa, Cer.A.T. ....Las Vegas, NV
Mckinney, Nestor, Cer.A.T. ....Salem, MA
Mcvicker, Dustin, Cer.A.T. ....Aurora, CO
Medina, Ariel, Cer.A.T. ....Everett, WA
Medrano, Anthony, Cer.A.T. ....San Diego, CA
Medrano, Jayson Ralph, Cer.A.T. ....Las Vegas, NV
Melvin, Meyon, Cer.A.T. ....Baltimore, MD
Mendoza, Dennis, Cer.A.T. ....Houston, TX
Meng, Christina, Cer.A.T. ....Fair Oaks, CA
Menjivar, Erick, Cer.A.T. ....Phoenix, AZ
Mercado, Mark, Cer.A.T. ....San Diego, CA
Mersmann, Melissa, Cer.A.T. ....Middletown, NJ
Michaels, Brandon, Cer.A.T. ....Broomfield, CO
Mieske, Courtney, Cer.A.T. ....Auburn, MI
Mills, Anthony, Cer.A.T. ....Houston, TX
Mills, Marcus, Cer.A.T. ....Mckinney, TX
Mitchell Iii, Richard, Cer.A.T. ....Santa Clara, CA
Molenaar, Tim, Cer.A.T. ....Bellevue, WA
Montalvo, Daniel, Cer.A.T. ....Lewisville, TX
Monteiro, Stephanie, Cer.A.T. ....Dor, MA
Montez, Angela, Cer.A.T. ....Los Angels, CA
Montoban, Michael, Cer.A.T. ....Central Islip, NY
Moore, Jermaine, Cer.A.T. ....Dallas, TX
Moreland, Janae, Cer.A.T. ....Las Vegas, NV
Moreno, Pete, Cer.A.T. ....Grand Terrace, CA
Morrow, Jordan, Cer.A.T. ....Jackson, MS
Mughal, Munir Ahmad, Cer.A.T. ....Abu Dhabi

Murphy, Cory, Cer.A.T. ....Lemoore, CA
Neal, Keith, Cer.A.T. ....Nashville, TN
Necochea, Rowan, Cer.A.T. ....Duvall, WA
Ness, Krista, Cer.A.T. ....Columbia, PA
Nguyen, Anna, Cer.A.T. ....Sarasota, FL
Nicely, Jason, Cer.A.T. ....Henrico, VA
Nightingale, Benjamin, Cer.A.T. ....Reno, NV
Nobella, Asusena, Cer.A.T. ....Santa Rosa, CA
Nunley, Michael, Cer.A.T. ....Austin, TX
Ochoa, Melissa, Cer.A.T. ....Oro Valley, AZ
Olarte, Hugo, Cer.A.T. ....Wayne, NJ
Omara, Richie, Cer.A.T. ....Clarendon Hills, IL
Oravets, Robert, Cer.A.T. ....Smithfield, PA
Orozco, Oscar, Cer.A.T. ....Indio, CA
Orr, Cynthia, Cer.A.T. ....East Orange, NJ
Ortiz, Isis, Cer.A.T. ....Los Angeles, CA
Ortiz, Manuel, Cer.A.T. ....Bronx, NY
Osborne, Diane, Cer.A.T. ....Lynn, MA
Osterhout, Valarie, Cer.A.T. ....Georgetown, DE
Otero, Daniel, Cer.A.T. ....Paterson, NJ
Outlaw, Marketta, Cer.A.T. ....Chicago, IL
Palmer, Lisa, Cer.A.T. ....Smith Grove, KY
Parcaut, Anthony, Cer.A.T. ....American Canyon, CA
Paris, David, Cer.A.T. ....Los Angeles, CA
Parker, Justin, Cer.A.T. ....Midland, MI
Pascua, Alfredo, Cer.A.T. ....Stockton, CA
Paton, Scott, Cer.A.T. ....Roseville, MI
Pauliuc, Camelia, Cer.A.T. ....Lancaster, PA
Pendo, Tim M, Cer.A.T. ....Mesa, AZ
Pereida, Jacqueline, Cer.A.T. ....Los Angeles, CA
Permenter, Kelly, Cer.A.T. ....Lutz, FL
Petersen, Brooke, Cer.A.T. ....Richland, WA
Petersen, Justin, Cer.A.T. ....Boise, ID
Phantharath, Bobby, Cer.A.T. ....Lynn, MA
Phillips, Marc, Cer.A.T. ....Fort Lauderdale, FL
Pigorsh, Andrew, Cer.A.T. ....Grant, MI
Pirog, Dianne, Cer.A.T. ....Fishers, IN
Pomeroy, Kimball, Cer.A.T. ....Orem, UT
Ponce, Sylvia, Cer.A.T. ....Anaheim, CA
Poole, Elisabeth, Cer.A.T. ....Cumming, GA
Posey, Terence, Cer.A.T. ....Denver, CO
Pratt, Mark, Cer.A.T. ....Houston, TX
Pudlo, Katarzyna, Cer.A.T. ....Elmwood, IL
Pulcini, Jr, Keith, Cer.A.T. ....Collingdale, PA
Quesenberry, Andrew, Cer.A.T. ....Kingsville, MD
Ramirez, Isaac, Cer.A.T. ....Chino, CA
Ramirez, Walter, Cer.A.T. ....Apopka, FL
Ramsey, Delores, Cer.A.T. ....Houston, TX
Rayappa, Innoc, Cer.A.T. ....Dubai Pin
Regan, Colin, Cer.A.T. ....Raleigh, NC
Revada, Anita, Cer.A.T. ....Houston, TX
Reyes, Darlene, Cer.A.T. ....Rancho Cucamonga, CA
Reyfman, Mark, Cer.A.T. ....Staten Island, NY

MORE ▶

INDIVIDUALS PASSING THEIR EXAMS

Richardson, Cynthia, Cer.A.T. .... New York, NY
Richardson, Keith, Cer.A.T. .... Aurora, CO
Richardson, Ronesha, Cer.A.T. .... Houston, TX
Rickhoff, Susan, Cer.A.T. .... Oak Lawn, IL
Ridinger, Sue, Cer.A.T. .... Madison, AL
Ritch, Shantal, Cer.A.T. .... Tampa, FL
Rivera, Ignacio, Cer.A.T. ....Spotswood, NJ
Roberts, Devon, Cer.A.T. ....Philadelphia, PA
Rodriguez, Carlos, Cer.A.T. .... Bronx, NY
Rodriguez, Daniel, Cer.A.T. .... Miami, FL
Rodriguez, Patricia, Cer.A.T. ....San Leandro, CA
Rodriguez, Raquel, Cer.A.T. ....Oakland, CA
Rogers, Angela, Cer.A.T. .... Apex, NC
Rostoum, Hind, Cer.A.T. ....Quincy, MA
Rush, Shannon, Cer.A.T. .... Pittsburgh, PA
Saechao, Kao, Cer.A.T. .... Sacramento, CA
Saetern, Pa, Cer.A.T. .... Sacramento, CA
Sagar, John, Cer.A.T. ....Iowa City, IA
Saldana, Edwin, Cer.A.T. ....Long Beach, CA
Salinas, Jessica, Cer.A.T. ....Spring, TX
Santos, Maria Guia, Cer.A.T. ....Baltimore, MD
Saucedo, Jose, Cer.A.T. .... El Paso, TX
Sbertoli, John, Cer.A.T. ....Chicago, IL
Schmitz, Jody, Cer.A.T. .... Pewaukee, WI
Schumacher, Joshua, Cer.A.T. .... Burleson, TX
Schwartz, Christopher, Cer.A.T. .... Andover, MA
Scott, Claire, Cer.A.T. ....Tai Hang Causeway Bay
Selmer, Anthony, Cer.A.T. ....Philadelphia, PA
Shaw, Devin, Cer.A.T. .... Houston, TX
Shelton, Brigitte, Cer.A.T. .... Camp Hill, PA
Shen, Kayteni, Cer.A.T. .... Astoria, NY
Sheppard, Dalbi, Cer.A.T. ....Queens Village, NY
Shevchenko, Oleg, Cer.A.T. ....Indian Trail, NC
Shevchenko, Roman, Cer.A.T. ....Indian Trail, NC
Shinoda, Mao, Cer.A.T. ....Brentwood, TN
Shook, Ryan, Cer.A.T. .... Lansing, MI
Sidenblad, Melissa, Cer.A.T. .... Humble, TX
Sigmon, Whitney, Cer.A.T. .... Danville, VA
Simmers, Ian, Cer.A.T. ....Syosset, NY
Sims, Debra, Cer.A.T. .... Houston, TX
Sinkfield, Katrina, Cer.A.T. .... Somerset, NJ
Sirazitdinova, Inessa, Cer.A.T. .... Tinley Park, IL
Sison, Jerrick, Cer.A.T. ....Kent, WA
Slouffman, Keith, Cer.A.T. .... Mason, OH
Smith, Antoine, Cer.A.T. ....Winston-Salem, NC
Smith, Gregory, Cer.A.T. .... North Liberty, IA
Smith, Kim, Cer.A.T. .... Houston, TX
Smith, Renika, Cer.A.T. .... Houston, TX
Smith, Sherre, Cer.A.T. .... Melbourne, FL
Smith, Thomas, Cer.A.T. ....Tracy, CA
Smoker Jr, Charles, Cer.A.T. ....Medford, OR
Snyder, Dylan, Cer.A.T. .... Williams, OR
Solano, Miguel, Cer.A.T. .... Miami, FL
Sonza, Lyno Jay, Cer.A.T. .... Towson, MD
Stark, Michael, Cer.A.T. ....Brentwood, TN

Starks, William, Cer.A.T. ....Fayetteville, NC
Stevenson, Nicole, Cer.A.T. ....Baltimore, MD
Stewart, Tara, Cer.A.T. .... Santee, CA
Strobel, Milagros, Cer.A.T. .... Ponciana, FL
Sullivan, Brandon, Cer.A.T. .... Boise, ID
Swanson, Gladys, Cer.A.T. .... Cleveland Heights, OH
Sweeney, Silvet, Cer.A.T. ....Gainesville, FL
Tayeh, Mohamad, Cer.A.T. ....Middleburg Heights, OH
Teahen, Steve, Cer.A.T. ....Santa Rosa, CA
Tobar, Anibal, Cer.A.T. .... North Hollywood, CA
Tolman, Ebenezer, Cer.A.T. .... Boston, MA
Torres, David, Cer.A.T. .... Waynesville, NC
Torres, Tisha, Cer.A.T. .... Reedley, CA
Treacy, Teresa, Cer.A.T. ....San Francisco, CA
Tuck, Traci, Cer.A.T. ....Rougemont, NC
Turner, Rhonda, Cer.A.T. ....Baltimore, MD
Uebelhoer-Belt, Macy, Cer.A.T. ....Charleston, SC
Uffman Jr, Robert, Cer.A.T. .... Lexington, KY
Valencia, Angela, Cer.A.T. .... Fresno, CA
Valladarez, Sidia, Cer.A.T. .... Carson, CA
Valle-Morales, Zuleimarie, Cer.A.T. .... Bronx, NY
Van Aken, Devon, Cer.A.T. .... Tuscon, AZ
Vandekerkhove, Derek, Cer.A.T. .... Gaston, SC
Vargas, Edgar, Cer.A.T. ....Romeoville, IL
Vargas, Lina, Cer.A.T. .... Tuscon, AZ
Vargas-Loera, Mario, Cer.A.T. .... Houston, TX
Vasili, Patrick, Cer.A.T. .... Glendale, NY
Vasquez, Salvador, Jr, Cer.A.T. .... Houston, TX
Vazquez, Giann, Cer.A.T. ....Miami Lakes, FL
Velasquez, Hector, Cer.A.T. .... Newark, NJ
Villasenor, Adrian, Cer.A.T. .... Montclair, CA
Vines, Christina, Cer.A.T. ....Nottingham, MD
Viray, Philip John, Cer.A.T. ....Silver Springs, MD
Votto, Lisa, Cer.A.T. ....Staten Island, NY
Wade, Jasmina, Cer.A.T. .... Tuscon, AZ
Wagner, Aaron, Cer.A.T. ....Dallas, TX
Walker, Roman, Cer.A.T. .... Hayward, CA
Walkowiak, Matthew, Cer.A.T. ....Baltimore, MD
Wall, Darren, Cer.A.T. .... Pittsburgh, PA
Wallender, Crystal, Cer.A.T. .... Milwaukee, WI
Walsh, Sean, Cer.A.T. ....Wakefield, MA
Walters, Roger, Cer.A.T. .... Los Angeles, CA
Wareham, Christina, Cer.A.T. .... Billings, MT
Warner, Michael, Cer.A.T. .... Spanish Fork, UT
Washington, Jason, Cer.A.T. ....Olathe, KS
Watt, Christina, Cer.A.T. ....West Belmar, NJ
Watters, Brian, Cer.A.T. ....Surprise, AZ
Wehrli, Chelsea, Cer.A.T. .... Las Vegas, NV
Weinrich, Cheryl, Cer.A.T. ....Penryn, CA
Wells, Gwendelyn, Cer.A.T. ....Someset, NJ
White, Andrea, Cer.A.T. ....Mckinney, TX
Whitehurst, Kimberly, Cer.A.T. ....Kent, WA
Whitfield, Derrick, Cer.A.T. ....Estill, SC

MORE ▶

INDIVIDUALS PASSING THEIR EXAMS

Whitmore, Marguerite, Cer.A.T. .... Missouri City, TX
Williams, Marc, Cer.A.T. ....Dallas, TX
Willis, Henry, Cer.A.T. ....Clarksburg, WV
Womack, Patrick, Cer.A.T. .... Laporte, TX
Woods, Ashley, Cer.A.T. ....Oceanside, CA
Young, Ian, Cer.A.T. ....Palo Alto, CA
Young, Nicole, Cer.A.T. ....Baltimore, MD
Zancha, Holli, Cer.A.T. .... White Oaks, PA
Zielinski, Matthew, Cer.A.T. .... Hickory Hills, IL
Zielinski, Paul, Cer.A.T. .... Lake Mary, FL
Zimmerman, Angela, Cer.A.T. ....Orem, UT
Zimmerman, Ronald, Cer.A.T. .... Hercules, CA
Znacko, Helene, Cer.A.T. .... Newark, DE

Individuals who have earned the Cer.A.T.T. designation:

Abouelnaga, Ibrahim, Cer.A.T.T. ....Boonton, NJ
Anton, William, Cer.A.T.T. .... Gig Harbor, WA
Arain, Shahbaz, Cer.A.T.T. ....Germantown, WI
Attia, Salah, Cer.A.T.T. ....East Brunswick, NJ
Baker, Belinda, Cer.A.T.T. .... Citrus Heights, CA
Blanchard, Alana, Cer.A.T.T. ....Henderson, NV
Brimhall, Jared, Cer.A.T.T. .... Gilbert, AZ
Bush, Kate, Cer.A.T.T. ....Silverton, OR
Cabrera, Jesse, Cer.A.T.T. .... Las Vegas, NV
Callahan, Shaun, Cer.A.T.T. ....Murrieta, CA
Campbell, Derwin, Cer.A.T.T. ....Hermitage, TN
Carr, Jr, Ronald, Cer.A.T.T. .... Leland, NC
Cervantes, Robert, Cer.A.T.T. .... Houston, TX
Chadwick, Kathryn, Cer.A.T.T. .... Rocky Point, NC
Change, Alix, Cer.A.T.T. .... Commack, NY
Chavez, Orlando, Cer.A.T.T. ....Paramount, CA
Clary, Paul C, Cer.A.T.T. .... Franklin, TN
Davis, Tyler, Cer.A.T.T. ....Henderson, NV
Ellison, Emily, Cer.A.T.T. .... Wilmington, NC
Emerson, Gwendolyn, Cer.A.T.T. .... Naperville, IL
Fijal, Matthew, Cer.A.T.T. ....Berwick, PA
Flood, Melissa, Cer.A.T.T. ....Loveland, CO
Godfrey, Daisy, Cer.A.T.T. .... Wilmington, NC
Goytizolo, Andres, Cer.A.T.T. ....Humble, TX
Groshek, Samantha, Cer.A.T.T. .... Wausau, WI
Gueorguiev, Rosen, Cer.A.T.T. ....Vancouver, WA
Guerrero Plascencia, Norma, Cer.A.T.T. .... Tuscon, AZ
Guillen, Kristina, Cer.A.T.T. .... Houston, TX
Harney, Bethany, Cer.A.T.T. .... Genoa, IL
Hernandez, Guillermo, Cer.A.T.T. .... Milwaukee, WI
Hines, Kellie, Cer.A.T.T. .... Wilsonville, OR
Homer, Torrey, Cer.A.T.T. .... Queen Creek, AZ
Ibarra, Alan, Cer.A.T.T. ....Highlands Ranch, CO
Ives, Marlene, Cer.A.T.T. .... Wilmington, NC
Jacobs, Tyrone, Cer.A.T.T. .... Upper Malboro, MD
Johnson, Adrianna, Cer.A.T.T. .... Seattle, WA
Johnson, Barbara, Cer.A.T.T. .... Leland, NC
Johnson, Ryan, Cer.A.T.T. .... Moreno Valley, CA

Kadzius, Sigita, Cer.A.T.T. .... Bellevue, WA
Kashirets, Alexander, Cer.A.T.T. ....Antelope, CA
Lavigne, Ryan, Cer.A.T.T. .... West Melbourne, FL
Lawhorn, Tiffany, Cer.A.T.T. .... Hampstead, NC
Lewis, Anthony, Cer.A.T.T. .... Burtonsville, MD
Lorisch, Amie, Cer.A.T.T. .... Portland, OR
Lynch, Kelly, Cer.A.T.T. ....Renton, WA
Macanas, Sr, Delbert, Cer.A.T.T. ....Wahiawa, AP
Macdougall, Nickolas, Cer.A.T.T. .... Riverside, CA
Maib, Jeffrey, Cer.A.T.T. .... Eugene, OR
Mailloux, Blair, Cer.A.T.T. .... Tiverton, RI
Malek, Hanan, Cer.A.T.T. ....Kendall Park, NJ
Mangubat, Alvin, Cer.A.T.T. .... Sayreville, NJ
Marcotte, Garrett, Cer.A.T.T. .... Las Vegas, NV
Massey, Robert, Cer.A.T.T. ....Bartow, FL
Matos, Anthony, Cer.A.T.T. .... Melbourne, FL
Mccall, Stephen, Cer.A.T.T. ....North Las Vegas, NV
Mcgee, Sean, Cer.A.T.T. ....Oxford, OH
Mctheeney, Helen, Cer.A.T.T. ....Kentwood, MI
Merkel, Harold, Cer.A.T.T. .... Denver, CO
Mines, Kevin, Cer.A.T.T. .... Orland Park, IL
Morissette, Allen, Cer.A.T.T. .... Palm Bay, FL
Mugica, Jose, Cer.A.T.T. .... Miami, FL
Naglee, Christopher, Cer.A.T.T. .... Pittsburgh, PA
Negrete, Priscilla, Cer.A.T.T. .... Las Vegas, NV
Novielle, Nicole, Cer.A.T.T. .... Las Vegas, NV
Nzambe Bonshe, Victorien, Cer.A.T.T. ....Omaha, NE
Parker, Juanita, Cer.A.T.T. .... Aumsville, OR
Patel, Dinesh, Cer.A.T.T. ....Franklin Park, NJ
Pesantes, Luis, Cer.A.T.T. ....Yucaipa, CA
Petrine, Janet, Cer.A.T.T. ....Willa Park, IL
Posey, Krystal, Cer.A.T.T. .... Fairfax, VA
Proulx, Jon, Cer.A.T.T. .... Maple Valley, WA
Reck, Christine, Cer.A.T.T. .... Redlands, CA
Reganit, Rex, Cer.A.T.T. .... Las Vegas, NV
Reynolds, Matthew, Cer.A.T.T. .... Leland, NC
Romito, Valerie, Cer.A.T.T. .... Wilmington, NC
Ronquillo, Joaquin, Cer.A.T.T. .... Las Vegas, NV
Rozell, Tonia, Cer.A.T.T. .... Goodlettsville, TN
Ruby, Daniel, Cer.A.T.T. .... Salem, OR
Sayers, Martha, Cer.A.T.T. ....Auckland
Serrano, Jacob, Cer.A.T.T. .... Las Vegas, NV
Shelby, Jerry, Cer.A.T.T. .... San Diego, CA
Tims, Tara, Cer.A.T.T. .... Wilmington, NC
Vasquez, Robert, Cer.A.T.T. ....Salem, OR
Villalba, Feliciano, Cer.A.T.T. .... Miami, FL
Warner, Julie, Cer.A.T.T. ....Lacenter, WA
Weening, Scott, Cer.A.T.T. .... Raleigh, NC
Wells, Jacqueline, Cer.A.T.T. .... Chandler, AZ
Williams, Corey, Cer.A.T.T. .... Riverside, CA
Wyss, Brian, Cer.A.T.T. .... Bellingham, WA
Yearwood, Robert, Cer.A.T.T. ....Katy, Tx

2015 ANNUAL MEETING
Salt Lake City, UT

Consider Yourself a WRITER?

How about submitting a SCIENCE & TECHNOLOGY ARTICLE?!

Interested in being published? Wish to enhance your professional portfolio? Want to help your fellow Cer.A.T.T. and Cer.A.T. colleagues with Continuing Education credits?

How would you like to possibly WIN an AWARD (and $1,500 cash!) while you do this?

SCIENCE + TECHNOLOGY
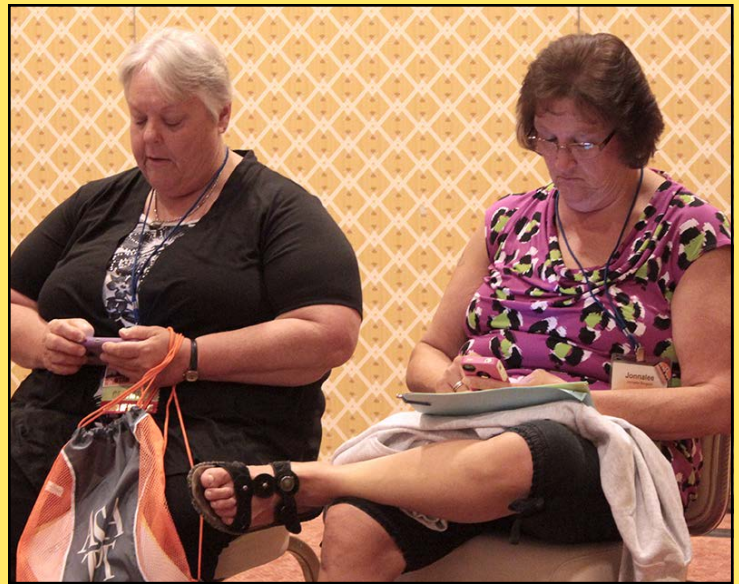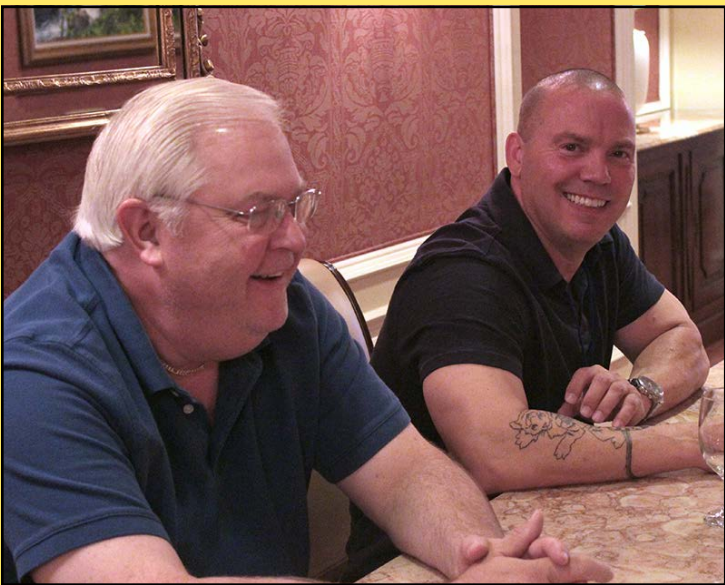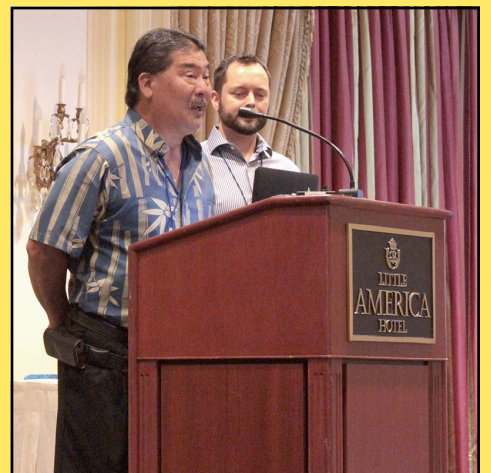
DID YOU KNOW?

ASATT has a Science and Technology Award which is awarded to a selected individual annually. Individuals who are considered must submit a technical article to the editor of **THE SENSOR** and/or to ASATT HQ. The article must first be selected for publication in **THE SENSOR.** The author of the technical article must be either an anesthesia technicians or technologists.

The articles considered for the award will be selected from the winter through fall issues of the quarterly published **SENSOR** during that fiscal year. (e.g., Winter 2016 to Fall 2016.)

All published articles will be judged by a panel of medical professionals in anesthesiology and evaluated on the subject matter, relevancy and its written presentation.

All submitted articles must be composed of 2,500 to 3,000 words, be formatted following American Psychological Association (APA) guidelines and have properly annotated bibliographical references. A detailed guide is available at:

http://owl.english.purdue.edu/owl/resource/560/01/

All Science and Technology articles submitted for publication will be scanned with plagiarism detection software by ASATT.

PLEASE DO NOT PLAGIARIZE!

If plagiarism is suspected, **THE SENSOR** editor will notify the Board of Directors prior to submitting the information to the ASATT Code of Conduct and Ethics Committee for further investigation.

The technical articles must include a 10-question quiz; answers should either be multiple-choice or true/false. The questions are used for Continuing Education, and should be written by the author of the article.

If you are the recipient of the Science and Technology Award, you will be notified first by mail, and then your name will be announced at the ASATT Annual Educational Conference. If the awardee is in attendance at the conference, a plaque/award and a check in the amount of $1,500 shall be presented. If the awardee is NOT in attendance, the plaque/award and check will be mailed to the winner at the address on record with ASATT HQ.

So ... what are you waiting for??

Call or email ASATT HQ if you have an article to submit.

Note: Please do not call or email ASATT HQ to ask for help in writing the article. However, you can ask what deadlines exist for article submission. You may submit your article multiple times if it is not selected for publication upon first submission.
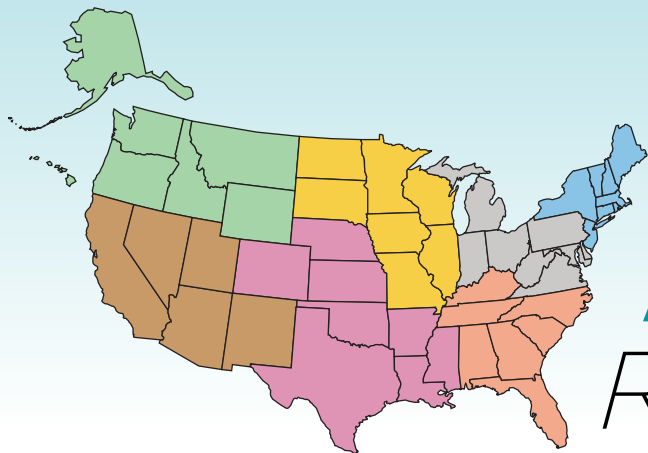
ASATT
Regional Activities

REGION 1
CT–ME–MA–NH–NJ–NY–RI–VT
Director: Jonnalee Burgess, Cer.A.T.
Work: 802/296-6314
Email: region1director@asatt.org

No report.

REGION 2
DE–IN–MD–MI–OH–PA–VA–WV
Director: Randy L. Harris, Cer.A.T.
Work: 443/492-8928
Email: region2director@asatt.org

No report.

REGION 3
AL–FL–GA–KY–NC–SC–TN
Director: Gail Walker, Cer.A.T.
Work: n/a
Email: region3director@asatt.org

No report.

REGION 4
IL–IA–MN–MO–ND–SD–WI
Director: Jeffery Blakney, Cer.A.T.
Work: 708/202-8387 ext. 29126
Email: region4director@asatt.org

No report.

REGION 5
AR–CO–KS–LA–MS–NE–OK–TX
Director: Greg Farmer, Cer.A.T.
Work: 817/250-2650
Email: region5director@asatt.org

No report.

REGION 6
AZ–CA–NM–NV–UT
Director: Diane Alejandro-Harper, Cer.A.T.
Work: 650/283-2558
Email: region6director@asatt.org

Hello Region 6!

I hope everyone had an opportunity to attend an anesthesia technology conference this past year. Our national conference in Utah was successful. It was a good venue and good to see familiar faces. The great weather also complemented the beautiful landscape.

Our most recent Regional conference took place in Northern California. We had 51 attendees including some who traveled from Texas and North Carolina. I want to thank the Stanford and LPCH anesthesia technicians—Ricky, Allen, Kishian, Dominic, and Philip—who assisted with the preparation and organization of the conference. Additionally, I want to give a special thanks to Dr. Michael Chen who facilitated the conference. We had eight great speakers including Dr. Chen who discussed relevant anesthesia topics and used members of the audience to critique and participate in a hands-on demonstration of life support skills, and engaged the audience with a mini game show on malignant hyperthermia!

MORE ▶

As the last few weeks of the year are near, a reminder to all of you who are due to recertify, please remember to submit your recertification documents to ASATT headquarters by December 31, 2015.

REGION 7
AK–HI–ID–MT–OR–WA–WY

Director: Delbert Macanas, Cer.A.T.
Work: 808/547-9872 (0930–1830 pt M–F)
Email: region7director@asatt.org

Howzit Everyone!!!

2015 is the dawn of a new era for ASATT. Think about it… We are moving forward to make our profession stronger and better for the generations that come after us. The ground work that has been done will lead to bigger and better things for our profession. At this point, we need to thank the people that founded ASATT who saw a need to organize way back in 1989. There have been so many who have helped us grow over the years. When you look at it, our association is relatively young at 26 years old. Look at how far we have come, where we are headed, what we can achieve…

> "The future belongs to those who believe in the beauty of their dreams."
> *Eleanor Roosevelt*

Milestones in 2015: Sadly, this year we saw the end of the original Anesthesia Technician Certification that was first rolled out in 1996. It was the first exam of its kind laying the groundwork for the Technologist Exam. That got ASATT moving in a positive direction. Now you need to attend an accredited program in Anesthesia Technology to be eligible to sit the Anesthesia Technologist Exam. Plus, the Technologist exam was totally reviewed and revised. Another achievement: *The Sensor* issued its 100th edition. Those are some of the milestones that happened.

Fun facts: From January until July 15, 2015, a total of 1,161 people took and passed the Anesthesia Technician and Technologist exams. ASATT now has 2,680 members!

> "Even though the future seems far away, it is actually beginning right now."
> *Mattie J.T. Stepanek*

There are 2,315 Certified Anesthesia Technicians and 225 Certified Technologists. In 2014, we had 1,700 ASATT members, 1,550 Certified ATs and 75 Certified ATTs.

As Fall fades to Winter, the holidays are right around the corner. I hope that everyone spends time with your family and friends enjoying the times you spend together. Every event is a special one … there won't be another one like it. When you reflect on the time … you will never have the same people at next event. Make memories together!

> "Some memories are unforgettable, remaining ever vivid and heartwarming."
> *Joseph B. Wirthlin*
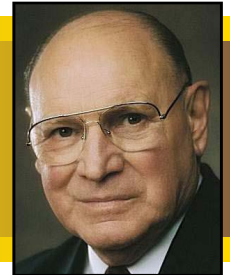
We had a successful Annual Meeting in Salt Lake City on August 27–29, 2015, at the Little America Hotel in Salt Lake City, Utah. It was the second time to have our meeting with the AANA. Salt Lake City was a beautiful city to visit. The one thing that stuck me — the city is really clean. Utah is full of so many outdoor venues and the view of the mountains was a gorgeous sight. The Annual Meeting is so special! Where else will you find over two hundred of our peers in the same place at the same time? It is really refreshing to see so many new, young faces in attendance. I like to sit with people I don't know so that I can talk to them and get to know more about them and their facilities. The future of our profession will be in good hands if some of you are willing to help ASATT grow. Think about it…

Start planning to attend the 2016 ASATT Annual Educational Meeting in Chicago — a beautiful city that I love to visit. I hope to meet the people I met this year and more of my peers at the meeting.

Region 7 will hold three Educational Meetings again in 2015. Stand up and be proud if you are from Region 7. Those in our Region have supported the three meetings whenever it was available.

I would like to thank and commend John Gonzales from Overlake Hospital in Bellevue, WA, who coordinated a great Seattle Meeting in April. If you didn't know, John was the recipient of the ASATT Region 7 Education Award. He put together the April meeting and has coordinated educational meetings through the NWSATT. Congratulations and thank you for everything you do for our peers.

The Hawaii Meeting was held in October at the Pacific Beach Hotel in Honolulu. This was a new venue for the meeting and it may be the venue in 2016. The attendees really enjoyed the place and there were many positive comments. The attendance was the highest in the history of the Hawaii Meeting. Did you know the Hawaii Meeting has

MORE ▶

been going on since 1998? This meeting started because of the cost associated with flying to the continental United States to get CEs. The meeting is traditionally held on the second Sunday in August.

Make sure to check the website for updates on all of the Regional and local meetings available for you to attend and get CEs for recertification.

Remember, if you attend an ASATT-sponsored meeting, ASATT members don't need to track these CEs; they will go straight to the CE database. This simplifies the recertification process. Please do not wait until the last minute to get your required CEs. Every year ASATT Headquarters will get calls from frantic people looking for ways to get CEs. *Poor planning on your part does not constitute and emergency on ASATT's part.*

Also, at all of our meetings we need to thank our vendors. They are also taking time out of their busy schedules to sponsor these events. But, more important, they are

> "Live as if you were to die tomorrow. Learn as if you were to live forever."
>
> *Mahatma Gandhi*
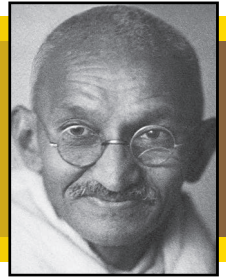
presenting our attendees with the latest news and technology. These vendors are vital to everyone and they are doing their best to ensure we are helping provide our patients with quality care.

As we move forward — our profession is as an Anesthesia Technician or Technologist. Take pride in yourself and profession; hold your head up high. At the end, there is the question, "What has ASATT done for you?" At one of the meetings I got this response: "ASATT has given me a career and changed my outlook on life." Isn't that so true? Please time to think about it and ponder the answer...

Aloha! ◼

2015 Award Winners

These awards were presented at the ASATT Annual Conference in Salt Lake City. *Congratulations to all our award recipients!*

Regional Education Award — This award recognizes the continued dedication in sponsoring, promoting and furthering education programs, thus advancing professionalism among the Anesthesia Technicians and Technologists within each of the ASATT regions.

Region 1 .... Peter Derrico / NovaMed
Region 2 ....Penn State Hershey Anesthesia Tech Conference Committee
Region 3 .... Dept. of Anesthesiology, UNC
Region 4 ....Gwen Emerson, Cer.A.T.T.
Region 5 ....Carolynette Brown, Cer.A.T.T.
Region 6 .... George Cahill, Cer.A.T.T.
Region 7 .... John Gonzalez, Cer.A.T.T.

Science and Technology Award

This award recognizes clinical excellence in research and writing of a technical article on anesthesia technology which appeared in an issue of *The Sensor*.

Sue Christian, Cer.A.T.T.

The ASATT Board of Directors would like to thank all of the recipients for their hard work and dedication to the profession.

Refresher Program guidelines effective October 2014

General Information

Purpose

There are three methods by which certification can be re-established or advanced:

The **Refresher Program** is offered to certified anesthesia technologists who have not been substantially engaged in the practice of anesthesia technology for more than 2 years and must update their skills and knowledge of current clinical and theoretical practice in anesthesia technology in order to meet the established standards of practice and to apply for recertification through examination.

The **Advancement Program** is designed for the certified anesthesia technician who requires additional knowledge and skills in clinical practice in order to meet the established standards of practice of a certified anesthesia technologist.

Provisional Recertification may be granted for the previously certified anesthesia technologist/technician whose certification was allowed to lapse due to late or insufficient CE credits beyond the December 31st recertification deadline.

Refresher Program Objectives

The objective of the Refresher Program is to promote attainment of the current knowledge and clinical skills necessary for safe anesthesia technology practice required for the technologist National Certification Exam (NCE).

Refresher Program Overview

The Refresher Program consists of a continuing education (CE) component and a clinical component, both of which must be completed within a 24-month period. If the anesthesia technologist has not been actively engaged for more than 2 years but less than 5 years, the individual must retake and pass the National Certification Examination (NCE).

For the CE component of the Refresher Program, credits may be earned through completion of CE programs that have obtained prior approval by ASATT or a recognized approval organization.

The clinical component of the Refresher Program must be completed by the anesthesia technologist in an accredited medical facility located within the United States or its territories. The Refresher Program participant is responsible for locating a clinical site and selecting a certified anesthesia technician/technologist, nurse anesthetist, anesthesiologist assistant or anesthesiologist to act as a clinical site sponsor.

Refresher Program Requirements

The two part Refresher process must occur as follows:

1. The Continuing Education Refresher Application for Approval and a $325 non-refundable fee must be submitted to the ASATT. The application must be approved **before** the anesthesia technologist begins the CE component of the Refresher Program.

2. Once the minimum of 20 CE credits has been earned, the Program participant may submit the Clinical Anesthesia Refresher Application for Approval. The application must be approved by the ASATT before the participant begins the clinical component of the Refresher Program.

Both the CE and Clinical Anesthesia Refresher applications may be accessed on the Refresher/Advancement page of the ASATT webs ite, at www.ASATT.ORG or by contacting ASATT Headquarters at (414)908-4942.

The Refresher Program is sequenced so that a minimum of 20 CE credits must be completed prior to approval for entry into the clinical component. The additional 20 CE credits may be taken prior to or concurrent with the clinical component. The NCE, can be taken only after the anesthesia technologist has completed both the CE component and the clinical component of the Refresher Program.

Refresher Program Specifics

A previously certified anesthesia technologist must fulfill the following Refresher Program requirements to become eligible for full certification.

Previously certified anesthesia technologists not substantially engaged in clinical anesthesia practice for over 2 years but not more than 5 years or who failed to obtain the required CE's during the allowed recertification or provisional certification period must meet the following criteria:

1. Documentation of 40 CE credits that have been prior-approved by ASATT:
   - 10 CE credits: Foundational Science to include Anatomy, Pathophysiology, Physics and Pharmacology.
   - 10 CE credits: Advanced Principles of Anesthesia to include specialized surgical procedures and cases including; Pediatrics, Obstetrics, Trauma, Cardiac, Transplant and Regional Anesthesia.
   - 10 CE credits: Professional Aspects; Ethics, Scope of Practice, Regulatory Compliance and Safety.
   - 10 CE credits: Advanced Anesthesia Equipment, Instrumentation and Technology.
2. Documentation of 240 hours of clinical anesthesia time on the Transcript for Completion of the Clinical Anesthesia Refresher Component.
3. Documentation of completion of the number of required clinical anesthesia experiences which include a broad range of general anesthesia, monitored anesthesia care, and regional anesthesia. The required cases are listed on the Transcript for Completion of the Clinical Anesthesia Refresher Component.
4. Documentation of current ACLS and BCLS provider certification.
5. Documentation of having previously passed the Anesthesia Technologist National Certification Exam.
6. The examination may be attempted up to three times within one year from the date of official notification that the didactic and clinical requirements of the Refresher Program have been com-

pleted. The anesthesia technologist must successfully pass the exam within that time frame.

Clinical Anesthesia Component

The Clinical Anesthesia Refresher Component Application for Approval must be approved by the ASATT before the anesthesia technologist/technician begins the clinical anesthesia component, and may be submitted only following completion of 20 credits of the required 40 credits from the CE Refresher Component.

The clinical component must be:

1. Established in conjunction with a clinical site sponsor (i.e., a certified anesthesia technologist/technician, nurse anesthetist, anesthesiologist assistant or an anesthesiologist; and
2. Conducted within a department of anesthesia at a medical facility located within the United States or its territories.

The individual must locate an accredited hospital or other facility that will meet the needs of the applicant and are willing to participate in the Clinical Anesthesia Refresher Component. It is strongly recommended that the anesthesia technologist find a clinical site prior to enrolling in the Refresher Program.

Included in the application process to obtain ASATT approval for the Clinical Anesthesia Refresher Component, the clinical site sponsor must submit the following information:

1. The beginning and projected end dates of the clinical program.
2. A description of the medical facility.
3. A brief outline of the kinds of cases that will be available.
4. The faculty involved in the clinical area.

In addition, the clinical site sponsor must review and agree to provide the type of educational experiences required and document all of the educational experiences identified on the Transcript for Completion of the Clinical Anesthesia Refresher Component.

Completion of the Refresher Program

Upon completion of the clinical and CE components of the Refresher Program the anesthesia technologist must submit the CE and Clinical Refresher Program Applications, the ASATT will review the documentation submitted in order to determine if all requirements of the Refresher Program have been met within the time frame specified.

The anesthesia technologist refresher participant will be notified in writing of the completion status, as well as how to proceed with applying to take the Technologist NCE

Advancement Program Objectives

The objective of the Advancement Program is to establish minimum education and clinical anesthesia experience needed to enable the certified anesthesia technician to meet the standards and practice of the anesthesia technologist in preparation for the technologist NCE.

Advancement Program Overview

The Advancement Program consists of continuing education (CE) which must be completed within a 24-month period. The applicant

must be currently employed for a minimum of 3 years, as a certified anesthesia technician in a medical facility located within the United States or its territories.

The Advancement Program credits may be earned through completion of CE programs that have obtained prior approval by ASATT.

The technologist NCE can be taken only after the certified anesthesia technician has completed the CE credits and provides proof of the employment requirement.

Advancement Program Requirements

The Advancement process must occur as follows:

The Continuing Education Advancement Application for Approval and a $250 non-refundable fee must be submitted to the ASATT. The application must be approved **before** the certified anesthesia technician begins CE coursework.

Advancement Program Specifics

A certified anesthesia technician must fulfill the following Advancement Program requirements to become eligible for the technologist certification NCE.

Previously certified anesthesia technicians must have been employed in clinical anesthesia practice for over 2 years or have graduated from an approved program to be eligible to take the technician NCE. The candidate must show proof of successfully passing the technician exam and is currently employed as a certified anesthesia technician for an additional 3 years for a minimum total of 5 years experience. CE credits must meet the following criteria:

1. Documentation of 40 CE credits that have been prior-approved by ASATT:
   - 10 CE credits: Foundational Science to include Anatomy, Pathophysiology, Physics and Pharmacology.
   - 10 CE credits: Advanced Principles of Anesthesia to include specialized surgical procedures and cases including; Pediatrics, Obstetrics, Trauma, Cardiac, Transplant and Regional Anesthesia.
   - 10 CE credits: Professional Aspects; Ethics, Scope of Practice, Regulatory Compliance and Safety.
   - 10 CE credits: Advanced Anesthesia Equipment, Instrumentation and Technology.
4. Documentation of current ACLS and BCLS provider certification.
5. Documentation of having previously passed the Anesthesia Technician National Certification Exam.
7. The examination may be attempted up to three times within one year from the date of official notification that the didactic requirements of the Advancement Program have been completed. The anesthesia technician must successfully pass the exam within that time frame.

Completion of the Advancement Program

Upon completion of the CE components of the Advancement Program the anesthesia technician must submit the Continuing Education Program Application, the ASATT will review the documentation submitted in order to determine if all requirements of the Advancement Program have been met within the time frame specified.

The anesthesia technician advancement participant will be notified in writing of the completion status, as well as how to proceed with applying to take the Technologist NCE

Provisional Recertification Objectives

The objective of Provisional Recertification is to provide an opportunity for the certified anesthesia technologist or technician to retain their certification status beyond the 30 day late term by means of conditional recertification.

Requirements

Before provisional recertification can be granted, the anesthesia technologist/ technician must submit a completed application for Provisional Recertification along with a Remediation for Expired Certification Application including all applicable fees. In addition to current recertification fees for the appropriate certification level (www.ASATT.ORG), there will be a Provision fee of $200.00 required. The requirements are as follows:

1. 30 CE credits will be required at the technician level in order to regain Certified Anesthesia Technician status.
   a. The applicant must follow the same requirements listed for the technician on the ASATT website, at the Certification tab under Recertification.
2. 40 CE credits will be required at the technologist level in order to regain Certified Anesthesia Technologist status.
   a. The applicant must follow the same requirements listed for the technologist on the ASATT website, at the Certification tab under Recertification.

Accrual of required CE's begins after ASATT approval of the application for Provisional Recertification. Previously earned CE's will not be accepted for remediation purposes.

All applications, documentation and fees must be completed and **approved** within the 12 month deadline (effective December 31st through December 31st, 1 year following) without exception or the individual must complete the Refresher Program to take the Technologist NCE regardless of current certification level.

Refresher/Advancement Continuing Education Component

Overview

The Continuing Education Refresher/Advancement Application for Approval must be approved by the ASATT Education Committee before the anesthesia technologist/technician begins the Continuing Education component of the Refresher or Advancement Program.

Continuing education (CE) credits toward fulfillment of the criteria for the Refresher or Advancement Program must be earned in clinical topics; CE credits cannot be earned in stress management, administration, research, education, non-anesthesia topics or solely through home-study programs. **At least 16 CE credits of the required 40 CE**

credits must be completed through attendance at a program in a classroom or similar lecture setting.

Earning CE credits may be achieved utilizing **one** of the following methods:

1. The anesthesia technologist/technician earns CE credits through attendance at approved CE programs of their choice. These programs must have obtained prior approval by ASATT or a recognized approval organization. The anesthesia technologist/technician is responsible for:

   1. Ensuring that the program he or she attends has content that meets the CE credit requirements; and

   2. Maintaining a record of CE credits and submitting documentation of completed credits to the ASATT as described under the Recordkeeping – CE Credits section below.

2. The anesthesia technologist/technician completes a CE Refresher/Advancement Course that has received prior approval from the ASATT to offer the entire quantity of CEs required. The Refresher or Advancement Course provider submits the attendance record directly to the ASATT headquarters.

3. The anesthesia technologist/technician can earn credits for attendance to prior approved CE programs and earn credits while enrolled in an ASATT approved CE Refresher/Advancement Course. For all credits earned the anesthesia technologist/technician is responsible for maintaining a record of the CE credits and submitting the documentation to the ASATT as des**cribed under Recordkeeping – CE Credits section below.**

Recordkeeping – CE Credits

Overview

If the anesthesia technologist/technician is responsible for maintaining a record of CE credits and submitting it to the ASATT, documentation of credits must be submitted so the material can be reviewed and evaluated.

The following procedure should be used when submitting a record of CE credits:

Classroom or Lecture Programs

- ☐ Submit a copy of the certificate of attendance issued by the provider. The certificate must include your name, the provider name, the program title, and the program date, documentation that the program was approved for CE credit by a recognized approval organization*, and the number of CE credits awarded.

- ☐ Submit a copy of the program, hourly schedule or lecture outline that clearly shows the lectures attended. One CE credit is awarded for every 50 - 60 minutes of participation.

- ☐ Mark each lecture according to the group to which it belongs:

  - o Foundational Science
  - o Advanced Principles of Anesthesia
  - o Professional Aspects
  - o Advanced Anesthesia Equipment, Instrumentation and Technology.

- ☐ Lectures should be marked with the appropriate group on the top of the program certificate(s).

- ☐ For ACLS and BCLS programs, submit a copy of the life support card, the certificate of attendance, and an hourly schedule or lecture agenda.

Provider-Directed or Independent Study Programs

1. If the program was prior-approved by the ASATT, submit the following:

   - ☐ Copy of the certificate(s) of completion.

     - o The certificate(s) must include your name, the provider name, the program title, the program date(s), the ASATT program code number and the number of CE credits awarded.

   - ☐ Mark the certificate according to the group to which it belongs:

     - o Foundational Science
     - o Advanced Principles
     - o Professional Aspects
     - o Advanced Anesthesia Equipment, Instrumentation and Technology.

2. If the program was approved by a recognized organization other than the ASATT*, submit the following:

   - ☐ Copy of the certificate of completion.

     - o The certificate must include your name, the provider name, the program title, the program date (s), documentation that the program was approved for CE credit by a recognized approval organization, and the number of CE credits awarded.

   - ☐ Course objective and a minimum of 10 test questions are required for every credit requested or an approval code by issuing organization.

   - ☐ Mark the certificate according to the group to which it belongs:

     - o Foundational Science
     - o Advanced Principles
     - o Professional Aspects
     - o Advanced Anesthesia Equipment, Instrumentation and Technology.

*i.e., ASA, AANA, etc.

GREAT TO HEAR so many ASATT members were able to complete the Crossword Puzzle in the last issue of *The Sensor!* As promised, here are the answers, just in case you missed a few. Now, plans are already underway for a Crossword Puzzle in the 200th issue of *The Sensor!!* 😉

1 A	2 N	E	S	3 T	3 H	5 E	S	I	6 A	7		8 M	9 E	D	I	10 C	11 A	12 T	I	O	13 N	14
15 C	K		16 H	O	E			17 S	C	R	A	M			18 H	M	O			19 Z	A	
C		20 L	A	N	A		21 F	L	A		22 N	B	23 A		24 R	I	T	A		25		R
26 I	R	A	Q		R		27 M	A	C	28 A	N	A	S		29 I	R	O	N	I	C		
D		T		30 T	31 B		32 N	I	G	E	L		33 R	S				K		O		
E		34 E	35 R		36 L	Y		37 D	A		38 R	M		39 E	T		40 D	L		L		
41 N	42 E	X	T		43 A	T						44 S	I		45 H	E	R	46 E			
47 T	B		48 O	N	E	F	O	49 R		50 C	O	S	T	A	R		51		52 U	P		
53 A	B	S	U	54 R	D		55 E	A	56 E			57 N	E	R	V	58 E	S		Y		
L		59 P	D		60 W	I	S	C	O	61 N	S	I	N	62		63 G	I	64			
	65 P	A	T	66 E	N	T		67 C	A	R	S	E		68 A	B	U	S	69 E	70 S	
71 T	U	M	O	R		72 H	E	L	L	T	O	P	A	Y		73 L	E	G	I	74 T
75 E	M		76 L	77 N			78 L	A	R				79 M	A			80 D	O		
81 C	P	R		82 Y	O	83 D	E	L	S		84 S	L	I	C	85 E	R		86 T	E	X
H			87 N	R			88 U			89 A	L							I			
90 N	91 C		92 U	S	A		93 S	E	N	94 D	S		95 M	A	96 R		97 A	C		
98 I	C	S	100 V	E	T		N		S	U		101 P	T	S		102 B	I	O		
103 C	L	I	M	104 A	X		105 M	A	R	106 E	T	107 T	A		109 O	N	C	110 A	L	L
I	111 N	O	U		112 S	P	E	E	D	U	P		N		113 O	N			O		
A	114 E	N	A		O		N		R		I			115 O	J				G		
116 N	E	W	O	R	L	E	A	N	S		117 T	E	C	H	N	O	L	O	G	Y

CONTINUING EDUCATION QUIZ

SCIENCE+ TECHNOLOGY

To test your knowledge on this issue's *Science + Technology* article on page 6, provide correct answers to the following questions on the form below. Follow the instructions carefully.

1. Effective July 15, 2015, only graduates from an approved accredited educational program will qualify to take the certification exam.
   ☐ True ☐ False

2. ASATT will continue to recognize the Certified Anesthesia Technician designation; however there are significant differences between the recommended scope of practice for a certified anesthesia technician and a certified anesthesia technologist.
   ☐ True ☐ False

3. To care for a patient, the basic intent of a scope of practice is to ensure that a healthcare practitioner has the appropriate:
   A. Education
   B. Knowledge
   C. Experience
   D. All of the above

4. When a healthcare practitioner practices outside their scope of practice, legal liabilities exist for:
   A. The organization
   B. The practitioner
   C. The supervisor
   D. All of the above

5. ASATT is committed to ensuring that anesthesia technical personnel are:
   A. Educated
   B. Competent
   C. Ethical
   D. All of the above

6. A scope of practice is a legally authorized parameter regarding the clinical functions of assessment, intervention and level of care a healthcare practitioner can provide to a patient.
   ☐ True ☐ False

7. Scope of practice is defined in:
   A. Legal opinions
   B. Accreditation standards
   C. Federal laws
   D. All of the above
   E. None of the above

8. All certified anesthesia technology professionals should demonstrate knowledge and aptitude with multiple devices and equipment.
   ☐ True ☐ False

9. Certified anesthesia Technologists and Technicians may operate independently of anesthesia care providers.
   ☐ True ☐ False

10. Certified anesthesia technologists and technicians must be able to recognize, adhere to and be knowledgeable in The joint Commission accreditation policies and procedures as they relate to:
    A. Sentinel events
    B. National safety goals
    C. Environment of Care
    D. All of the above

To apply for Continuing Education/ Contact Hours:

(1) Provide all the information requested on this form.

(2) Provide correct answers to this issue's quiz in this box > > >

(3) Mail this form along with $10.00 (check or money order, payable to ASATT) to:

ASATT
7044 South 13th Street
Oak Creek, WI 53154-1429

The answers to the Fall 2015 Continuing Education Quiz are:
(circle correct answers)

1: T F	6: T F
2: T F	7: A B C D E
3: A B C D	8: T F
4: A B C D	9: T F
5: A B C D	10: A B C D

Name_____ ASATT Number _____

Street Address_____ Phone _____

City_____ State _____ ZIP Code _____

Signature_____ Date _____

ASATT CALENDAR

2 0 1 5

Recertification Packets for the cycle ending 12/31/2015 accepted........November 15

Recertification cycle ends ....December 31

2 0 1 6

Grace period for recertification begins with late fee....................................January 1

Recertification cycle closes..January 31

UPCOMING MEETINGS

Region 7, Kaiser Sunnyside, Clackamas, OR.......................................January 30

Region 3, University of North Carolina, Chapel Hill, NC...............................March 26

Region 7, Overlake Hospital, Bellevue, WA ....April 18

Check the ASATT website frequently; more meetings will be posted soon!

AMERICAN SOCIETY OF ANESTHESIA TECHNOLOGISTS AND TECHNICIANS
7044 South 13th Street
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