



# Scope of Practice for Anesthesia Technologist and Technician

<b>Document Title:</b>	Scope of Practice for Anesthesia Technologist and Technician		
<b>Document Ref. Number:</b>	DoH/SOP/HWFS-RSS/ATT/V2/2025	<b>Version:</b>	V2
<b>New / Revised:</b>	Revised		
<b>Publication Date:</b>	September, 2025		
<b>Effective Date:</b>	October, 2025		
<b>Document Control:</b>	DoH Strategy Sector		
<b>Applies To:</b>	<ul style="list-style-type: none"> <li>- DoH licensed Healthcare Providers</li> <li>- DoH licensed Healthcare Providers of dental services.</li> <li>- DoH Health Payers Providers</li> </ul>		
<b>Owner:</b>	Healthcare Licensing and Medical Education – Regulations and Standards Section		
<b>Revision Date:</b>	September 2028		
<b>Revision Period:</b>	Three years from the publication date.		
<b>Contact:</b>	hcws@doh.gov.ae		

## 1. Definitions and Abbreviations

No.	Term / Abbreviation	Definition
<b>1.1</b>	Anesthesia Technologist:	Are allied health professionals qualified to provide fundamental and advanced technical and clinical activities that assist the anesthesiologist/operating physician to deliver safe anesthesia and efficient patient care, manage equipment and supplies and monitor patients across various settings. They work under the supervision of the anesthesiologist.
<b>1.2</b>	Anesthesia Technician	Are allied health professionals who are trained to support in technical aspects of anesthesia services. They are responsible for assisting the operating/anesthesia team, managing anesthesia equipment and supplies, and monitoring patients. They work under the supervision of anesthesiologists, anesthesia technologists and anesthesia nurses.
<b>1.3</b>	Pre-oxygenation /Denitrogenation	Is a method to delay the desaturation during apneic period and make sure that there are enough oxygen reserves in the body by giving oxygen to the patient before the induction of anesthesia. During the process, nitrogen in the lungs is replaced by oxygen.
<b>1.4</b>	IABP	Intra-Aortic Balloon Pump
<b>1.5</b>	ECMO	Extracorporeal Membrane Oxygenation
<b>1.6</b>	ECG	Electrocardiography
<b>1.7</b>	MSDS	Material Safety Data Sheets
<b>1.8</b>	PACU	Post Anesthesia Care Unit

## 2.SOP Purpose

The purpose of this document is to:

- 2.1. Define the clinical services that may be provided by an anesthesia technologist and technician and their required competencies.
- 2.2. Outline the anesthesia technologist and technician's professional boundaries, accountabilities, ethical and legal obligations toward patients and stakeholders.
- 2.3. Serve as a reference to the healthcare workforce, healthcare providers, healthcare payers and governance bodies

### 3.SOP Scope

This scope of practice applies to DoH licensed anesthesia technologists and technicians who wish to practice in the Emirate of Abu Dhabi and to all healthcare providers, who provide and operate anesthesia services.

### 4.Practice Settings

4.1 Anesthesia technologists and technicians can provide vital services in various health care settings, including but not limited to:

- 4.1.1 Hospitals
- 4.1.2 Medical Centers
- 4.1.3 One Day Surgery Centers
- 4.1.4 Primary Health Care Centers
- 4.1.5 Specialized Medical Clinics

### 5.Standard of Proficiency

#### 5.1 General Proficiencies for Anesthesia Technologists and Technicians:

- 5.1.1 Uphold local and federal UAE laws, ethical principles, professional standards, clinical privileges, and practice guidelines set by national and international bodies. Particularly the medico-legal requirements and responsibilities related to anesthesia.
- 5.1.2 Comply with the Occupational health and safety standards and guidelines to maintain self, colleagues, patients, and environment safety.
- 5.1.3 Act as a patient advocate and respect patients' rights, beliefs, and dignity including their right to privacy, protection of confidential information, patients' autonomy and right to accept or refuse an intervention.
- 5.1.4 Maintain high standards of conduct to the profession, and take appropriate accountability to their actions, and manage conflicts at workplace.
- 5.1.5 Work in a licensed facility equipped with the necessary resources for safe and high-quality care.
- 5.1.6 Practice within the Anesthesia Technology scope of practice through providing high-quality care that protects patients from physical danger and avoidable risks.
- 5.1.7 Exhibit and continue to update their knowledge and enhance their skills within the Anesthesia Technology field to ensure optimal patient care outcomes.
- 5.1.8 Participate in the development of relevant clinical practice policies and procedures, research and training of peers and other colleagues.
- 5.1.9 Deliver care with integrity, honesty, and compassion, adhering to evidence-based practice and locally and internationally recognized guidelines.

- 5.1.10 Implement quality and patient safety standards and participate in the quality assurance process.
- 5.1.11 Report incidents and safety concerns through the appropriate channels and document findings and responses.
- 5.1.12 Adhere to infection control protocols, policies, and procedures as well as waste management, and fulfill the associated documentation requirements.
- 5.1.13 Adhere to the Operating Room (OR) policies and procedures.
- 5.1.14 Adhere to the ethical guidelines and safeguard vulnerable patients such as children, people of determination and the elderly, against misuse of power and the relevant ethical boundaries and violations. He/she should respect the religious and cultural issues such as female patients requesting female staff to care of her and keeping her covered as practical as possible.
- 5.1.15 Be active as a member of a multi-disciplinary care team, collaborate and communicate effectively with other healthcare members (physicians, nurses, and allied) who are involved in patient care at all points of care (pre-operative, operative, and post operative)
- 5.1.16 Maintain comprehensive and clear documentation for all activities as per the practice setting requirement in the patient records.
- 5.1.17 Consult with the department concerned to ensure that the Anesthesia equipment is functioning and well maintained, and make sure the related documentation is kept up to date.
- 5.1.18 Ensure patient safety by dedicating full attention and expertise to patients throughout the pre-operative, operative, and post-operative anesthesia process providing continuous and individualized care.
- 5.1.19 Complete on time the DOH Cybersecurity awareness courses once assigned.

## 5.2 Core Competencies for Anesthesia Technologist and Technician:

Responsibilities	Anesthesia Technologist	Anesthesia Technician
<b>Care Coordination and Teamwork:</b>		
Work with and under the supervision of the anesthesiologist to implement the anesthesia plan. This includes preparing patients before anesthesia, assisting anesthesiologists in providing anesthesia, monitoring patients and care of patients in the post-anesthesia recovery period. This task is applied in various sites and settings such as: the operation room, obstetric suite, interventional/diagnostic radiology, Intensive Care Unit, Cath Lab, Emergency room, and endoscopy unit.	Yes	Yes
Collaborate with the operation theater team to ensure that Operation Room environment and other pre-operative preparations are up to the standard temperature, cleanliness and sterility before and between patients.	Yes	Yes
Assist, support, and collaborate with all members of the operating team to deliver the planned procedure.	Yes	Yes
Communicate with different hospital departments for the arrangement of pre-operative, operative, and post-operative patient care requirements as directed by the anesthesiologist.	Yes	Yes
Apply a systematic approach in conducting the responsibilities to ensure the delivery of well-coordinated and efficient care.	Yes	Yes
Participate in the pre-procedure documentation validation, safety assessments, and review the patient's medical history prior to anesthesia administration.	Yes	Yes
Ensure efficient and safe transitions of patient care between healthcare professionals, while endorsing accurate and current documentation of physician orders for ongoing management and treatment.	Yes	Yes

Equipment and Inventory Management:	Anesthesia Technologist	Anesthesia Technician
Demonstrate technical knowledge in the requirements of different anesthesia types and procedures	Yes	Yes
Identify and prepare the procedure requirements, supplies, and other necessary arrangements before the start of the procedure.	Yes	Yes
Perform safety checks on the anesthetic equipment and ensure its functioning before the procedure, and document that in the equipment logbook.	Yes	Yes
Set up and operate basic mechanical, pneumatic, and electronic equipment's used to monitor, evaluate, and manage the patient undergoing anesthesia	Yes	Yes
Observe the equipment when in use, rectify routine problems and report faulty equipment promptly to the concerned team	Yes	Yes
Clean and store the anesthetic equipment and the ancillary devices and its accessories according to the manufacturer instructions.	Yes	Yes
Observe the performance of the anesthesia equipment, devices, and accessories. Provide troubleshooting and call for support from the concerned team.	Yes	Yes
Manage supplies inventory and report requirements in a timely fashion to ensure its availability when needed.	Yes	Yes
Manage sterile supplies rotation to ensure usage within the expiration date	Yes	Yes
Maintain the material safety data sheets (MSDS) updated and indexed for all supplies	Yes	Yes

Medication:	Anesthesia Technologist	Anesthesia Technician
Manage drugs stock, ensure its within expiry date, dispose the expired medication, maintain drugs data safety records.	Yes	Yes
Prepare and administer medication - under the direct supervision of the anesthesiologist.	Yes	Yes
Assist the anesthesiologist in medication administration. Observe the patients for the appropriate response and side effects.	Yes	Yes
Observe the patient during the procedure for side effects and drug interactions. Inform the Anesthesiologist/treating physicians promptly.	Yes	Yes

Procedures:	Anesthesia Technologist	Anesthesia Technician
Assist the anesthesiologist to perform airway management for the patient.	Yes	Yes
Assist with the insertion of airway devices, including but not limited to: <ul style="list-style-type: none"> <li>i. Eschmann stylet</li> <li>ii. Fiber optic bronchoscope</li> <li>iii. Percutaneous cricothyrotomy</li> <li>iv. Supraglottic Devices</li> <li>v. Trans tracheal ventilation</li> <li>vi. Video Laryngoscopy</li> <li>vii. Tracheostomy tube</li> <li>viii. Gum elastic Bougie / tube guides.</li> <li>ix. Airway exchange catheters.</li> </ul>	Yes	Yes
Provide Oxygen delivery through mask ventilation prior to the induction of anesthesia and in case of desaturation (including patient Preoxygenation/denitrogenation). (use mask ventilation to deliver oxygen prior to induction of anesthesia)	Yes	Yes
Set up calibration and functioning of intra operative Nitric Oxide ventilation.	Yes	No
Set up various video laryngoscopes, flexible video bronchoscopes and fiberoptic bronchoscopes and provide assistance during examination and endotracheal intubation.	Yes	Yes
Assist the Anesthesiologist to perform aspiration of gastric contents and gastric lavage.	Yes	Yes
Assist anesthesiologist during pain management procedures	Yes	Yes
Position patients optimally for airway management while avoiding harm during the procedure.	Yes	Yes
Ensure DVT precautions are in place	Yes	Yes
Ensure pressure point padding are in place for long duration surgeries.	Yes	Yes
Assist anesthesiologist in providing regional anesthesia procedures such as spinal, epidural, combined spinal and epidural and ultrasound guided nerve blocks.	Yes	Yes
Establish and secure intravenous access.	Yes	Yes

Collect blood for laboratory and point of care testing and provide anesthesiologist with the results.	Yes	Yes
<b>Patient Monitoring</b>	<b>Anesthesia Technologist</b>	<b>Anesthesia Technician</b>
Attach patients to standard monitoring equipment and devices for continuous physiologic parameters monitoring such as oxygenation, ventilation, hemodynamic parameters and body temperature	Yes	Yes
Assist in performing electrocardiography-ECG and transesophageal echocardiography.	Yes	Yes
Work with and assist the operating/anesthesia team in setting up and connecting the patient to different advanced monitoring equipment and devices such as invasive intracranial, arterial, and central venous pressure monitors and cerebral oximetry.	Yes	Yes
Work with and assist the operating/anesthesia team in invasive monitoring line insertion and other procedures (examples: Arterial lines/ pulmonary artery catheter /central venous access and femoral /ECMO/IABP lines).	Yes	Yes
Alert the anesthesiologist to changes in the physiological parameters that are monitored throughout the procedure and in the post anesthesia care unit.	Yes	Yes
Detect artificial and manual ventilation inaccuracies and associated complications and report the observation instantly. This includes accidental extubation, anesthesia machine malfunctions, endotracheal tube disconnection and migration, hypercarbia/ hypocarbia/ hypoxia, gas leak, capnography and flowmeter pilot tube disconnection or obstruction and ventilator alarm.	Yes	Yes
Anticipate and assist the anesthesiologist/operating physician in crisis management occurring in the operation room and the post	Yes	Yes

anesthesia care unit (PACU)		
Apply safe handling measures to protect the anesthetized patient from falls.	Yes	Yes
Observe patient position and adjust position to prevent pressure injuries, joint injuries, and nerve injuries.	Yes	Yes
At the end of anesthesia – after extubation - remove monitoring accessories according to the instructions of the anesthesiologist.	Yes	Yes
Observe patient’s condition in the post-anesthesia care unit and report alerting signs to the anesthesiologist/operating physician.	Yes	Yes

<b>Fluids and Blood Products:</b>	<b>Anesthesia Technologist</b>	<b>Anesthesia Technician</b>
Assist the anesthesiologist to infuse IV fluids, blood and blood products.	Yes	No
Observe the patients for volume related complications and blood transfusion reactions	Yes	Yes
Target Controlled Infusion:TCI	Yes	Yes
<b>Recovery:</b>	<b>Anesthesia Technologist</b>	<b>Anesthesia Technician</b>
Accompany the anesthesiologist to transfer the patient to the post-anesthesia care unit.	Yes	Yes
Detach monitoring equipment, devices and other accessories after surgery as instructed by the anesthesiologist	Yes	No
<b>Advanced Life Support:</b>	<b>Anesthesia Technologist</b>	<b>Anesthesia Technician</b>
Remain competent and certified in performing basic life support.	Yes	Yes
Remain competent and certified in performing advanced life support. Respond to cardiac arrests in the operating room, post-anesthesia care unit, or other locations as per the standard protocols of the facility.	Yes	No
Assist with transfer of ventilated/anesthetized life supported patients between different care areas of the hospital as required.	Yes	Yes
Participate in saving lives in a life-threatening emergency	Yes	Yes

Specimen Handling:	Anesthesia Technologist	Anesthesia Technician
Assist with specimen collection, ensure proper handling, labeling, preservation, and transportation to the pathology laboratory services.	Yes	Yes

## 6. Specific Learning Requirement / Privileging Requirement

Anesthesia Technologists and Technicians must remain competent within their scope of practice (see Appendix 1 for an example of competency assessment form)

6.1 Anesthesia Technologists and Technicians must remain up to date with the newly introduced technologies. For those who wish to manage advanced equipment, devices and technologies (see Appendix 2 for an example of areas that require advanced training and certifications). below must successfully complete competency-based training and competency assessment.

6.2 Anesthesia Technology and Technicians who wish to manage medication must be certified through successfully completing a competency-based training and competency assessment.

## 7. Exempted from Scope

N/A

## 8.Relevant Reference Documents

No.	Reference Date	Reference Name	Relation Explanation / Coding / Publication Links
1	December 2024	Ministerial Resolution No. (1448) of 2017 on Adoption of Code of Ethics and Professional Conduct for Health Professionals	<a href="https://mohap.gov.ae/app_content/legislations/php-law-en64/mobile/index.htm">https://mohap.gov.ae/app_content/legislations/php-law-en64/mobile/index.htm</a>
2	December 2024	Article 24 of Federal Law No. (5) of 2019 on Regulating the Practice of Human Medicine and its Executive Regulations	<a href="https://mohap.gov.ae/en/aboutus/legal-references">https://mohap.gov.ae/en/aboutus/legal-references</a>
3	December 2024	Ministerial Resolution No. 14 of 2021 on the Patient Rights and Duties Charter	<a href="https://uaehpl.demo.fi.ae/en/health-policies-and-legislations-advocacy/health-legislations?itemId=57c4ff8d-648c-">https://uaehpl.demo.fi.ae/en/health-policies-and-legislations-advocacy/health-legislations?itemId=57c4ff8d-648c-</a>
4	December 2024	Federal Law No. 29 of 2006 In Respect of the Rights of People with Special Needs	<a href="https://www.un.org/development/desa/disabilities/wp-content/uploads/sites/15/2019/11/United-Arab-Emirates-The-Rights-of-">https://www.un.org/development/desa/disabilities/wp-content/uploads/sites/15/2019/11/United-Arab-Emirates-The-Rights-of-</a>
5	December 2024	Healthcare Workforce Bioethics Guidelines	<a href="https://www.doh.gov.ae/-/media/26F52980D66C430E9BB831096DB6A2D7.ashx">https://www.doh.gov.ae/-/media/26F52980D66C430E9BB831096DB6A2D7.ashx</a>
6	December 2024	Unified Healthcare Professional Qualification Requirements (PQR)	<a href="https://www.doh.gov.ae/en/pqr">https://www.doh.gov.ae/en/pqr</a>
7	December 2024	DOH Standard for Clinical Privileging Framework	<a href="https://www.doh.gov.ae/-/media/87DBE2A3226940E8A5712D3577064672.ashx">https://www.doh.gov.ae/-/media/87DBE2A3226940E8A5712D3577064672.ashx</a>
8	December 2024	SET of Standards for Healthcare Education and Training	<a href="https://www.doh.gov.ae/-/media/E6DD9C5A9DF2478EB4B60B9C835969FC.ashx">https://www.doh.gov.ae/-/media/E6DD9C5A9DF2478EB4B60B9C835969FC.ashx</a>
9	December 2024	DOH Standard for Emiratization of the Health Workforce in the Emirate of Abu Dhabi	<a href="https://www.doh.gov.ae/-/media/434ED00D6DC9449686271254FF490171.ashx">https://www.doh.gov.ae/-/media/434ED00D6DC9449686271254FF490171.ashx</a>

10	December 2024	Policy On Issuing Waivers Of Healthcare Professionals Licensure Requirements During Emergencies, Crises And Disasters.	<a href="https://www.doh.gov.ae/-/media/E56B39C42665429DA4E20D840C06B120.ashx">https://www.doh.gov.ae/-/media/E56B39C42665429DA4E20D840C06B120.ashx</a>
11	December 2024	Standard for Continuing Professional Development (CPD) for Healthcare Workforce	<a href="https://www.doh.gov.ae/-/media/66CD0B4E6BFE45818E20157A8A347773.ashx">https://www.doh.gov.ae/-/media/66CD0B4E6BFE45818E20157A8A347773.ashx</a>
12	December 2024	HAAD Standard for First Aid Training	<a href="https://www.doh.gov.ae/-/media/767954B8B6AC4A2CA31ACD629B2D7A05.ashx">https://www.doh.gov.ae/-/media/767954B8B6AC4A2CA31ACD629B2D7A05.ashx</a>
13	December 2024	Abu Dhabi Healthcare Information and Cyber Security Workforce Guideline	<a href="https://www.doh.gov.ae/-/media/888301C191B542CF8C0862EC1DECC3B4.ashx">https://www.doh.gov.ae/-/media/888301C191B542CF8C0862EC1DECC3B4.ashx</a>
14	December 2024	Tawteen Initiative and Health Workforce Sustainability	<a href="https://www.doh.gov.ae/-/media/6237DAEA0AAE40B999B123C574D49554.ashx">https://www.doh.gov.ae/-/media/6237DAEA0AAE40B999B123C574D49554.ashx</a>
15	December 2024	Temporary Secondment of	<a href="https://www.doh.gov.ae/-">https://www.doh.gov.ae/-</a>
16	December 2024	Launching of Kawader- Smart Platform for Health workforce in Abu Dhabi	<a href="https://www.doh.gov.ae/-/media/BCA0349B7DBF4F6E93A07616683D0664.ashx">https://www.doh.gov.ae/-/media/BCA0349B7DBF4F6E93A07616683D0664.ashx</a>
17	December 2024	Licensing National Trainees in Healthcare & Pharmaceutical Facilities	<a href="https://www.doh.gov.ae/-/media/A125BFC5870F45C3B43E3CD415B5C3B.ashx">https://www.doh.gov.ae/-/media/A125BFC5870F45C3B43E3CD415B5C3B.ashx</a>
18	December 2024	Licensed Healthcare Professionals Rotations between Licensed Healthcare Facilities in the Emirate of Abu Dhabi.	<a href="https://www.doh.gov.ae/-/media/9A9BA6CA5BFA43AEA8382CEEB4891FBD.ashx">https://www.doh.gov.ae/-/media/9A9BA6CA5BFA43AEA8382CEEB4891FBD.ashx</a>
19	December 2024	Update on Licensing Procedures for Healthcare Professionals in Nurseries Clinics	<a href="https://www.doh.gov.ae/-/media/4A47EA40EC5549E7938EBFC11BE2406C.ashx">https://www.doh.gov.ae/-/media/4A47EA40EC5549E7938EBFC11BE2406C.ashx</a>
20	December 2024	Cancellation of Healthcare Professional Licenses	<a href="https://www.doh.gov.ae/-/media/310CFD9262624D3BB32401DB0594992F.ashx">https://www.doh.gov.ae/-/media/310CFD9262624D3BB32401DB0594992F.ashx</a>

21	December 2024	Case of Healthcare Staff in UAE, Well-being of residents in training programs of Abu Dhabi health services	<a href="http://www.semanticscholar.org/paper/Workplace-Stress-and-Employee-Wellbeing%3A-Case-of-in-Khan-Khurshid/9c397ac26e25710773b403a65b3d89f057767258#:~:text=The%20purpose%20of%20this%20study%20was%20to%20investigate%20the%20impact">http://www.semanticscholar.org/paper/Workplace-Stress-and-Employee-Wellbeing%3A-Case-of-in-Khan-Khurshid/9c397ac26e25710773b403a65b3d89f057767258#:~:text=The%20purpose%20of%20this%20study%20was%20to%20investigate%20the%20impact</a>  <a href="http://www.semanticscholar.org/paper/Well-being-of-residents-in-training-">http://www.semanticscholar.org/paper/Well-being-of-residents-in-training-</a>
22	December 2024	American Association of Anesthesia Technologist and Technicians	<a href="https://asatt.memberclicks.net/assets/23_ASATT_Scope_of_Practice.pdf">https://asatt.memberclicks.net/assets/23_ASATT_Scope_of_Practice.pdf</a>
23	December 2024	American Association of Nurse Anesthesiology	<a href="https://www.aana.com/newsandjournal/Documents/Anesth-care-team-risk-0413-n171-176.pdf">https://www.aana.com/newsandjournal/Documents/Anesth-care-team-risk-0413-n171-176.pdf</a>
24	December 2024	Anesthesia Patient Safety Foundation	<a href="https://www.apsf.org/article/new-guidelines-available-for-pre-anesthesia-checkout/">https://www.apsf.org/article/new-guidelines-available-for-pre-anesthesia-checkout/</a>
25	December 2024	Queensland Health-Anesthetic services	<a href="https://www.health.qld.gov.au/_data/assets/pdf_file/0017/444320/cscf-anaesthetic.pdf">https://www.health.qld.gov.au/_data/assets/pdf_file/0017/444320/cscf-anaesthetic.pdf</a>
26	December 2024	ANAESTHETIC TECHNICIAN - SCOPE OF PRACTICE AND SEDATION GUIDELINE	<a href="https://www.msccouncil.org.nz/assets/mlsb/Uploads/AT-SOP-and-sedation-2021-2.pdf">https://www.msccouncil.org.nz/assets/mlsb/Uploads/AT-SOP-and-sedation-2021-2.pdf</a>
27	December 2024	Canadian Anesthesiologists Society	<a href="https://www.cas.ca/CASAssets/Documents/Practice-Resources/Guidelines/Appendix-">https://www.cas.ca/CASAssets/Documents/Practice-Resources/Guidelines/Appendix-</a>
28	December 2024	Royal Perth Hospital- Department of Anesthesia and Pain Medicine Anesthesia Technicians	<a href="https://search.jobs.wa.gov.au/files/vacancies/740317/23098432.pdf">https://search.jobs.wa.gov.au/files/vacancies/740317/23098432.pdf</a>
29	June 2025	Ministerial Decision No. 174 of 2024 Regarding the Amendment of the Unified National Standards for Hospitals.	<a href="https://mohap.gov.ae/en/w/%D9%82%D8%B1%D8%A7%D8%B1-%D9%88%D8%B2%D8%A7%D8%B1%D9%8A-%D8%B1%D9%82%D9%85-174-">https://mohap.gov.ae/en/w/%D9%82%D8%B1%D8%A7%D8%B1-%D9%88%D8%B2%D8%A7%D8%B1%D9%8A-%D8%B1%D9%82%D9%85-174-</a>
30	June 2025	Federal Law No. (6) of 2023 on the Practice of Some Medical Professions by Persons Other than Physicians and Pharmacists	<a href="https://uaelegislation.gov.ae/en/legislations/1960/download">https://uaelegislation.gov.ae/en/legislations/1960/download</a>

**Appendix 1:****Clinical Competencies Assessment for Anesthesia Technologists and Technicians:**

Number	Competencies Category	Competency Description
1.	<b>Pre-operative Assessment</b>	Review pre-op clinical Assessment of patient including fasting status
		Check and recognize potential difficulty with intubation and/or ventilation
		Identify the anesthetic risks associated with pre-existing medical conditions: such as cardiac, respiratory diseases, diabetes and obesity.
		Discuss safe practices in relation to a patient with a pacemaker
		Assist in preparing patients for operation room
		Ensure that informed consent has been properly obtained and documented in the patient's medical records
2.	<b>Airway Establishment</b>	Anticipate the anesthetist's requirements and provide suitable airway adjuncts
		Assist with patient positioning to maximize comfort and provide optimal access for the anesthetist
		Demonstrate the correct use of an elevation pillow and high flow nasal oxygen
		Support and maintain the patient's airway as required
		Recognize airway obstruction
3.	<b>Airway Equipment</b>	Demonstrate the ability to assist with placement and removal of laryngeal mask
		Correctly assemble oxygen delivery system
		Explain how to calculate ET tube sizes for various age groups
		Describe the features of Ambu bags, such as the material constructed from like silicone or rubber for easy squeezing, one-way valves for controlling airflow, and the availability of different mask sizes for a proper fit on patients.
4.	<b>Difficult Intubation</b>	Assist with endotracheal intubation
		Identify the location and prepare the difficult intubation cart.
		Assist in managing a difficult airway
		Demonstrate the correct application and assistance in Cricothyroidotomy
		Assist in positioning of Nasogastric Tubes
5.	<b>Assistance in Induction Ventilation Methods</b>	Assist in managing airway obstruction
		Demonstrate the ability to perform either role in two-person bag mask ventilation
		Prepare the necessary equipment and set up for Rapid Sequence Induction
		Demonstrate the ability to set-up and assist with fiber-optic intubation
		Assist in an inhalational induction
		Demonstrate appropriate positioning of patients with unstable cervical spine
		Demonstrate cervical stabilization with adjuncts
		Assist the anesthesiologist during the extubation process
		Demonstrate the ability to prepare all necessary equipment and supplies required for a safe extubation process.

		Demonstrate the ability to assist in setting up and maintaining the jet ventilation equipment and ensure that all necessary components are functioning correctly
6.	<b>Set Up Anesthetic Machine and Gas Cylinders</b>	Demonstrate the ability to perform regular maintenance on gas delivery systems and keeping accurate records.
		Select appropriate gas cylinders
		Demonstrate safe storage and handling of gas cylinders
		Assisting in the setup and operation of anesthesia machines to optimize fresh gas flow rates, thereby reducing the release of excess anesthetic gases into the atmosphere
		Demonstrate the ability to perform machine pre-use checks including calibrations and confirm that all safety features are functioning correctly.
		Demonstrate the ability to prepare and assemble various components of breathing circuits, such as hoses, reservoir bags, valves, and patient masks or connectors.
		Explain common Anesthetic Machine Problems and troubleshooting approaches
		Demonstrate the functions of anesthetic machines and monitoring equipment including: Performing leak tests Changing/checking the breathing system Replenishing the vaporizer Changing the vaporizer Monitor checks and configuration
		Demonstrate the set-up of anesthetic machine for a patient with Malignant Hyperthermia
		Verbalize the required equipment for managing shock, such as IV lines, fluid warmers, infusion pumps, and monitoring systems. And how to prepare them and check their functioning.
7.	<b>Establish Routine Monitoring</b>	Show the ability to establish routine monitoring of patients
		Assist in the pre-operative preparation of anesthetic charts including, all necessary documentation tools and materials
		Communicate the knowledge of analyzing trends in patient monitoring data, identify patterns and anomalies that may require intervention
		Demonstrate the ability to prepare, calibrate and set-up monitoring devices to assess the depth of anesthesia, such as EEG-based monitors or BIS (Bispectral Index).
		Demonstrate the ability to maintain Normothermia in an Intra-operative Patient
8.	<b>Invasive Monitoring</b>	Demonstrate the ability to assist in the setup and calibrate the arterial line equipment, including the correct placement of monitors and transducers for accurate blood pressure readings
		Demonstrate the ability to assist in the setup up and calibration the necessary equipment for CVP monitoring, including the correct placement of the pressure transducers, monitors, and connecting tubing
9.	<b>Maintain Anesthesia Equipment</b>	Demonstrate the correct pre-operative check of all anesthesia equipment required ensuring safe functioning
		Demonstrate correct handling and application of appropriate safety precautions

10.	<b>Principles of Nerve Stimulation</b>	Demonstrate the correct set-up of a nerve locator
		Show the ability to assist with appropriate positioning of the patient
		Shows knowledge of the principles of nerve stimulation
11.	<b>Safety Measures</b>	Apply appropriate safety precautions required during surgery
		Demonstrate correct application of Standard Precautions for Infection Control during handling of equipment
		Demonstrate current Management of Syringes, Needles and Other Sharps
12.	<b>Medication Safety</b>	Locate and select the appropriate drugs required for use by the anesthetist
		Manage drugs stock, ensure its within expiry date, dispose the expired medication, maintain drugs data safety records.
		Assist the anesthesiologist in medication preparation.
		Assist the anesthesiologist in medication administration
		Demonstrate the knowledge of drugs side effects and interactions and the importance to inform the anesthesiologist in the event of any adverse reaction
13.	<b>IV Access and Fluids</b>	Demonstrate ability to establish peripheral I/V line for adults and pediatrics
		Demonstrate the ability to a setup intravenous fluid administration equipment, prepare the crystalloids and colloids and correctly label it.
		Demonstrate correct application of IV dressing and securing the vascular cannula
14.	<b>IV Sedation</b>	Understanding principles of IV sedation, including the pharmacokinetics and pharmacodynamics of sedative agents
		Demonstrate IV sedation anesthetist set up
		Verbalize the potential hazards associated with IV sedation, such as respiratory depression, hypotension, and airway obstruction and how to prepare to address them
15.	<b>Assistance in Regional Anesthesia</b>	Demonstrate the ability to prepare the equipment required for regional anesthesia
		Describe how to appropriately monitor a patient receiving regional anesthesia
16.	<b>Intra-operative Blood Loss</b>	Demonstrate how to document blood loss estimations
		Demonstrate how to document blood transfusions or fluid replacements administered during the procedure
17.	<b>Recognize Clinical Incidents</b>	Verbalize how to report incidents and safety concerns through appropriate channels, correct documentation, and follow up.
		Demonstrate ability to raise/escalate any concerns with the anesthetist in an appropriate and timely manner
		Demonstrate the ability to anticipate when help may be required and might be difficult to obtain
		Identify potential anesthetic and surgical complications in recovery setting and explain their management
18.	<b>Patient Positioning</b>	Demonstrate safe operation of the operating table/trolley
		Demonstrate the ability to safely assist with patient positioning

**Appendix 2:**

**Activities that require advanced learning in addition to competency assessment:**

1. Blood salvaging devices (Cell saver)
2. Transesophageal Echocardiography (TEE)
3. Mechanical function of infusing local anesthetics
4. Point of Care testing and Lab equipment Activated Clotting Time tests
5. Arterial blood gas analysis- Measure Blood Gas-ABL Analyzer (ABG-VBG)
6. Blood chemistry (i.e. i-Stat).
7. Glucometry - Measure Blood Glucose- ACCU CHECK
8. Hemoglobin/ Hematocrit testing (i.e. HemoCue)
9. Rotational Thromboelastometry (ROTEM) and Thromboelastogram (TEG).