

Number	COMPETENCY The student should be able to:	PO1 Clinician	PO2 Leader and member of the health care team and system	PO3 Communicator	PO4 Lifelong learner	PO5 Professional	PO6 Critical Thinker	PO7 Researcher
Topic: Anaesthesiology as a specialty		Number of competencies: (04)			Number of procedures that require certification : (NIL)			
AS1.1	Describe the evolution of Anaesthesiology as a modern specialty	3	2	3	3	3	3	3
AS1.2	Describe the roles of Anaesthesiologist in the medical profession (including as a peri-operative physician, in the intensive care and high dependency units, in the management of acute and chronic pain, including labour analgesia, in the resuscitation of acutely ill)	3	3	3	2	3	3	3
AS1.3	Enumerate and describe the principle of ethics as it relates to Anaesthesiology	3	3	3	3	3	3	3
AS1.4	Describe the prospects of Anaesthesiology as a career	3	3	2	3	2	3	3
Topic: Cardiopulmonary resuscitation		Number of competencies: (02)			Number of procedures that require certification : (NIL)			
AS2.1	Enumerate the indications, describe the steps and demonstrate in a simulated environment, Basic Life Support in adults, children and neonates	3	1	3	1	3	1	1
AS2.2	Enumerate the indications, describe the steps and demonstrate in a simulated environment, Advanced Life Support in adults and children	2	3	3	3	1	3	3

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Topic: Preoperative evaluation and medication		Number of competencies: (06)			Number of procedures that require certification : (NIL)			
AS3.1	Describe the principles of preoperative evaluation	3	1	3	1	1	1	3
AS3.2	Elicit, present and document an appropriate history including medication history in a patient undergoing Surgery as it pertains to a preoperative anaesthetic evaluation	2	3	3	2	1	3	3
AS3.3	Demonstrate and document an appropriate clinical examination in a patient undergoing General Surgery	1	3	3	3	2	3	2
AS3.4	Choose and interpret appropriate testing for patients undergoing Surgery	2	2	3	3	3	2	1
AS3.5	Determine the readiness for General Surgery in a patient based on the preoperative evaluation	3	3	3	3	3	3	3
AS3.6	Choose and write a prescription for appropriate premedications for patients undergoing surgery	3	2	2	3	1	3	2
Topic: General Anaesthesia		Number of competencies: (07)			Number of procedures that require certification : (NIL)			
AS4.1	Describe and discuss the pharmacology of drugs used in induction and maintenance of general anaesthesia (including intravenous and inhalation induction agents, opiate and non-opiate analgesics, depolarising and non depolarising muscle relaxants, anticholinesterases)	3	1	2	1	2	1	3

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AS4.2	Describe the anatomy of the airway and its implications for general anaesthesia	3	3	3	2	1	3	3
AS4.3	Observe and describe the principles and the practical aspects of induction and maintenance of anaesthesia	2	3	2	2	3	2	3
AS4.4	Observe and describe the principles and the steps/ techniques in maintenance of vital organ functions in patients undergoing surgical procedures	3	3	3	2	1	1	3
AS4.5	Observe and describe the principles and the steps/ techniques in monitoring patients during anaesthesia	3	3	3	3	2	2	1
AS4.6	Observe and describe the principles and the steps/ techniques involved in day care anaesthesia	1	2	3	3	2	3	3
AS4.7	Observe and describe the principles and the steps/ techniques involved in anaesthesia outside the operating room	2	1	3	3	2	3	3
Topic: Regional anaesthesia		Number of competencies:(06)			Number of procedures that require certification : (NIL)			
AS5.1	Enumerate the indications for and describe the principles of regional anaesthesia (including spinal, epidural and combined)	3	3	3	3	3	1	2

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AS5.2	Describe the correlative anatomy of the brachial plexus, subarachnoid and epidural spaces	3	3	3	3	3	3	3
AS5.3	Observe and describe the principles and steps/ techniques involved in peripheral nerve blocks	2	2	2	3	3	3	3
AS5.4	Observe and describe the pharmacology and correct use of commonly used drugs and adjuvant agents in regional anesthesia	3	2	3	1	3	3	2
AS5.5	Observe and describe the principles and steps/ techniques involved in caudal epidural in adults and children	3	3	2	2	1	3	3
AS5.6	Observe and describe the principles and steps/ techniques involved in common blocks used in surgery (including brachial plexus blocks)	3	3	3	3	2	2	1
Topic: Post-anaesthesia recovery		Number of competencies:(03)			Number of procedures that require certification : (NIL)			
AS6.1	Describe the principles of monitoring and resuscitation in the recovery room	3	3	2	3	3	2	1
AS6.2	Observe and enumerate the contents of the crash cart and describe the equipment used in the recovery room	3	3	3	2	3	3	2

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AS6.3	Describe the common complications encountered by patients in the recovery room, their recognition and principles of management	3	3	2	2	1	1	3
Topic: Intensive Care Management		Number of competencies: (05)			Number of procedures that require certification : (NIL)			
AS7.1	Visit, enumerate and describe the functions of an Intensive Care Unit	3	3	3	3	3	3	1
AS7.2	Enumerate and describe the criteria for admission and discharge of a patient to an ICU	3	3	3	3	3	3	3
AS7.3	Observe and describe the management of an unconscious patient	3	3	3	2	2	1	1
AS7.4	Observe and describe the basic setup process of a ventilator	1	2	2	3	3	3	1
AS7.5	Observe and describe the principles of monitoring in an ICU	3	3	3	2	2	1	3

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Topic: Pain and its management		Number of competencies: (05)			Number of procedures that require certification : (NIL)			
AS8.1	Describe the anatomical correlates and physiologic principles of pain	3	3	3	3	3	3	3
AS8.2	Elicit and determine the level, quality and quantity of pain and its tolerance in patient or surrogate	3	3	3	3	3	3	3
AS8.3	Describe the pharmacology and use of drugs in the management of pain	1	2	2	3	3	2	2
AS8.4	Describe the principles of pain management in palliative care	3	3	3	3	3	2	3
AS8.5	Describe the principles of pain management in the terminally ill	3	3	3	3	2	3	2
Topic: Fluids		Number of competencies: (04)			Number of procedures that require certification: (NIL)			

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AS9.1	Establish intravenous access in a simulated environment	3	3	3	3	3	2	2
AS9.2	Establish central venous access in a simulated environment	3	3	3	3	3	2	2
AS9.3	Describe the principles of fluid therapy in the preoperative period	3	3	3	3	3	3	3
AS9.4	Enumerate blood products and describe the use of blood products in the preoperative period	2	3	3	3	3	3	2

Topic: Patient safety	Number of competencies: (04)	Number of procedures that require certification: (NIL)
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AS10.1	Enumerate the hazards of incorrect patient positioning	3	3	3	3	3	2	2
AS10.2	Enumerate the hazards encountered in the perioperative period and steps/techniques taken to prevent them	3	3	3	3	3	2	2
AS10.3	Describe the role of communication in patient safety	3	3	3	3	3	3	3
AS10.4	Define and describe common medical and medication errors in anaesthesia	2	3	3	3	3	3	3