MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

Sector-01, Kamothe, Navi Mumbai -410 209

Tel 022-27432471, 022-27432994, Fax 022 -27431094

E-mail: registrar@mgmuhs.com; Website :www.mgmuhs.com

COMPETENCY BASED MEDICAL EDUCATION

(CBME)

(with effect from 2019-2020 Batches)

Curriculum for

Third M.B.B.S – Part II

Anaesthesia

Approved as per AC-41/2021, Dated 27/08/2021

Amended History

1. Approved as per AC-41/2021, Resolution No. 5.7, Dated 27/08/2021.

SI. No.	Topic	Hrs.	Competencies	Integration
	UG Syllabus : Phase 3- Part 1 **LGT(Total 8 Hrs.)**			
1	Describe the evolution of Anaesthesiology as a modern Speciality. The role of anaesthesiologist / ethical aspect of anaesthesiology and informed consent	1	A.S.1.1 to A.S.1.4	AETCOM
2	Describe the principles of preoperative evaluation	1	A.S.3.1, 3.4, 3.5	
3	Describe and discuss the pharmacology of drugs used in as premedication, induction and maintenance of general anaesthesia (including intravenous and inhalation agents, opiate and non-opiate analgesics, depolarizing and non depolarizing muscle relaxants and anticholinesterases)	1	A.S.4.1 and 4.3	Pharmacology
4	Describe the anatomy of the airway and its implications for General anaesthesia and muscle relaxants	1	A.S.4.2 and 4.3	Anatomy
5	Enumerate the indications and describe the principles of Regional anaesthesia (including Spinal, Epidural and combined spinal epidural). Observe and describe the principles and steps/ techniques involved in caudal epidural in adults and children	1	A.S.5.1,5.2 and A.S.5.5	Anatomy
6	Observe and describe the pharmacology and correct use of commonly used drugs and adjuvant agents in regional anesthesia.	1	A.S.5.4	
7	Describe the anatomical correlates and physiologic Principles of pain & Palliative care	1	A.S 8.1 to 8.5	Anatomy/Physiology
8	Enumerate blood products and describe the use of blood Products in the preoperative period	1	A.S 9.4	Blood bank (Pathology)

SI. No.	Topic	Hrs.	Competencies	Integration
	UG Syllabus: Phase 3 - Part 1 SGT **(Total 10 Hrs.)**			
1	Describe the principles of preoperative evaluation	1	A.S.3.2, 3.3 and 3.6	
2	Observe and describe the principles and the practical aspect of induction and maintenance of anesthesia and observe and describe the principles and the steps/techniques in Monitoring patients during anaesthesia	1	A.S.4.3, 4.4, 9.1, 4.5 and 9.2	Pharmacology
3	Observe and describe the principles and steps/techniques Involved in peripheral nerve blocks and anatomy of the brachial plexus	1	A.S.5.2, 5.3 and 5.6	Anatomy/Physiology
4	Recovery room and PACU	1	A.S.6.1,6.2 and 6.3	

5	Visit to ICU admission and discharge criteria in ICU	1	A.S.7.1,7.2 and 7.5	
6	Anaesthesia outside OT	1	A.S.4.7	
7	Observe and describe the principles of Anaesthesia in day care surgery	1	A.S.4.6,10.3	AETCOM
8	Oxygen Therapy	1	A.S.6.3	
9	Describe the principles of fluid therapy in the preoperative period	1	A.S.9.3	General Surgery
10	Positioning and Medication errors and Patient safety during Perioperative period.	1	A.S.10.1,10.4 and A.S.10.2	

UG Syllabus: Phase 3 - Part 1 SDL

Sl.No.	Topic	Hrs.	Competencies	Integration
1	Observe and describe the management of an unconscious patient	1+1	A.S.7.3	General Medicine

UG Syllabus: Phase 3 - Part 1
Cllinics - Skills Traning (Total 18 Hrs.)

Sl. No.	Topic	Hrs. per day	Competencies	Integration
1	BLS (CPR) including airway management (D)	3	A.S. 2.1	Medicine
2	Indication, steps and demonstrations in simulated environment, ACLS in adults and children (D)	3	A.S. 2.2	Medicine, Paediatrics
3	Intubation Adult and Paediatric and ariway management in simulated environmment (O/KH)	3	A.S. 4.3 / SU 17.1	Surgery
4	Lumbar puncture (O)	3	A.S. 5.1	Medicine
5	IV access (I)	3	A.S. 9.1	Medicine
6	Post ending assesment	3		

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