

TOS for Intermediate Module (IMM) for ENT

Clinical – 70 MCQs

Basic Sciences – 30 MCQs

CLINICAL GENERAL SURGERY PRINCIPLES

Sr. #	Subject	Topic	Subtopics	MCQs
1	PRINCIPLES OF ENT SURGERY	PRINCIPLES OF OPERATIVE SURGERY	<ul style="list-style-type: none">• Perioperative Care• Sepsis• Sterilization• Antiseptics• Surgical site infections• Identification and management of multiple head and neck space infections• Systemic inflammatory response syndrome• Antibiotics• Wound healing and management• Nutrition and metabolic medicine• Transfusion medicine and blood products• Acid Base, Fluid and electrolyte• Methods of hemostasis i.e. pressure, ligation and diathermy• Principles of hemorrhage control	33

			<p>after tonsillectomy and in epistaxis</p> <ul style="list-style-type: none"> • Principles of endoscopy, laryngoscopy, esophagoscopy, otoscopy • Safety and general principles in nasal surgeries specially FESS • Day care surgeries in ENT their principles, pros and cons • Role of various lasers in ENT surgeries 	
		PREOPERATIVE MANAGEMENT AND ASSESSMENT	<ul style="list-style-type: none"> • History and Examination specific to ENT • Systemic examination • Coagulation disorders • Neurological disorders • Airway assessment i.e. Mallampati grading, Thyromental distance, dentition, jaw protrusion, subglottic stenosis and trismus • Preoperative assessment in emergency surgery • Role of different anticoagulants, steroids and their effects in ENT surgeries along with their management • Role of preoperative audiograms in ear surgery 	4

		ANESTHESIA AND PAIN RELIEF	<ul style="list-style-type: none"> • Basic Principles • 1) Induction • 2) Maintenance • 3) Reversal • Complications in particular to role of general anesthesia in upper airway obstruction • Types of intubations, in particular to awake intubation, laryngeal mask airway, endotracheal and fiberoptic intubations and tracheostomy backup • Pain management in Malignant Otitis Externa, nasal packing and advance Head and Neck Tumors • Topical, Local and systemic anesthetics Drugs, their usage and S/E in particular to use in myringotomy, grommet insertion, nasal biopsy, abscess drainage and foreign body removal 	4
		TRAUMA	<ul style="list-style-type: none"> • Acute life support and critical care • Management and care of facial bony fractures, nasal trauma including septal hematoma and CSF rhinorrhea, 	20

			<p>laryngeal and great vessel injuries</p> <ul style="list-style-type: none"> • Identification and management of Pinna laceration, auricular hematoma, tympanic membrane traumatic perforation and CSF otorrhea • Maintenance of airway in head and Neck Trauma • Complications of ENT, Neck and spine Trauma and their management • Techniques of immobilization <p>BURNS:</p> <ul style="list-style-type: none"> • Types of burns • Management of pharynx, larynx, oral cavity and esophagus after chemical burns • post operative care • Nasal and Ear Trauma • Throat injury including cut throat • Neck vessel traumatic injury • Pediatric injuries i.e oral cavity trauma, lip injuries • Foreign body impactions, their management in ear nose and throat • Management of post traumatic sudden SNHL 	
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		Oncology	<ul style="list-style-type: none"> • Principles of oncology • Grading and staging • Palliative care • Chemo and radiotherapy 	5
		Surgical Radiology	<ul style="list-style-type: none"> • Principles of basic diagnostic and interventional radiography • Principle and interpretation of conventional and advanced radiographic procedures e.g Angioembolization, DSA, CT Angiogram • Role of CT scan in children 	2
2		Miscellaneous	<ul style="list-style-type: none"> • Molecular biology and genetics • Informed consent and medico legal issues 	2

		Total		70
	<u>Basic Science related to E.N.T</u>	Surgical Anatomy	Anatomy of surgical importance	10
		Surgical Physiology	Physiology in relation to surgery	10
		Applied Pharmacology	Lifesaving drugs Drugs used in common ENT emergencies	2
		Surgical Pathology	Pathology in relation to surgical diseases	8

		Total		30
	<u>Gross Total</u>			100

(Clinical Component)

Principals of ENT Surgery

Sr. Num	Contents of TOACS	Stations	Marks
1	Neck Lump assessment	1	10
2	Foreign body management in Ear, Nose, Throat, Larynx and esophagus	1	10
3	Identification and management of dysphagia and hoarseness	1	10
4	Hearing loss workup	1	10
5	Emergency airway management including cricothyroidotomy and tracheostomy	1	10
6	Management of head and neck deep space infections in particular to airway obstruction	1	10
7	Hemorrhage control e.g. post-tonsillectomy, epistaxis or Neck great vessel injury	1	10
8	Interactive discussions on Log Book	1	10
9	Informed Consent / breaking bad news	1	10
10	Various biopsy approaches and techniques in ENT	1	10
	Total	10	100

The candidate scoring 60% marks shall be declared pass in clinical examination.



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