

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (OTORHINOLARYNGOLOGY) EXAMINATION – JUNE 2023**

**Date :- 19<sup>th</sup> June 2023**

**Time: 9.00 a.m. – 12.00 noon**

**PAPER I**

**(Otology, Audiology & Rhinology)**

**All four (04) questions to be answered.**

1. A 60-year-old man was admitted to Emergency with profuse nasal bleeding. His level of consciousness was impaired with Glasgow Coma Score of 12/15. He was pale with clammy skin, pulse rate of 112 beats/minute and blood pressure of 84/60 mmHg, respiratory rate of 24/minute and SaO<sub>2</sub> of 96. He has fullness in right mid-face and a mass lesion obstructing the right nasal passage.
  - 1.1. How would you resuscitate this patient from his current state?
  - 1.2. Discuss the methods that could be used to control his bleeding.
  - 1.3. How would you further evaluate this patient considering that he needs surgical intervention for his primary pathology?
  
2. An ENT trainee who was performing a 'mastoid surgery' encountered heavy bleeding in the surgical field.
  - 2.1. What are the possible causes for such an incident?
  - 2.2. What pre-operative measure should have been taken to minimize this incident?
  - 2.3. What peri operative measures could be taken to control bleeding?
  
3. A 60-year-old male patient is admitted to ENT ward with a history of right sided severe earache and recent onset ipsilateral facial weakness. He has a granulation mass in the ear canal covered with some purulent discharge and impaired hearing in that ear. He is a diabetic with poor glycaemic control.
  - 3.1. What are the differential diagnoses for his ear condition?
  - 3.2. How would you investigate this patient?
  - 3.3. Discuss the aspects of your management considering differential diagnoses.
  
4. Write notes on
  - 4.1. Acoustic feedback in hearing aids.
  - 4.2. Choanal atresia
  - 4.3. Superior semicircular canal dehiscence syndrome

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**Time:- 1.00 p.m. – 4.00 p.m.**

**PAPER II**  
**(Laryngology and Head & Neck Surgery)**

**All four (04) questions to be answered.**

**Illustrations must be labelled.**

1. A 4-year-old child brought to the ENT clinic by his mother with the history of recurrent upper respiratory tract infections, mouth breathing, apnoeic spells for more than year duration and without much improvement in spite of several visits to General Practitioner.
  - 1.1. Briefly discuss the diagnosis and management of this patient.
  - 1.2. List indication and contraindications of adenoidectomy and/tonsillectomy in a child.
  
2. A 52-year-old man with uncontrolled diabetes referred by medical team with a history of dysphagia and painful restricted neck movements for five days. He has no history of foreign body impaction. His CRP is 250 mg/L and ESR is 120 mm/hour.
  - 2.1. List the possible differential diagnoses.
  - 2.2. Discuss the investigations and management of the above patient.
  
3. Discuss the palliative care and holistic management of a patient with advanced head and neck cancer.
  
4. Write notes on:
  - 4.1. Laryngocele.
  - 4.2. Laser in head and neck surgery.
  - 4.3. Role of Robotics in head and neck surgery.

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**PAPER III**  
**(General Surgery)**

**All six (06) questions to be answered.**

1. A 35-year-old otherwise healthy woman presents with recurrent right submandibular sialadenitis due to a suspected calculus obstruction.  
Discuss the management of this patient.
  
2.
  - 2.1. Discuss the differences in pathophysiology of hyperthyroidism in Graves disease and toxic multi nodular goitre.
  - 2.2. Discuss management of the two (02) conditions mentioned above relating to differences in their pathophysiology.
  
3. A 70-year-old man is awaiting to undergo thyroidectomy and bilateral cervical block dissection for an advanced papillary carcinoma.  
Discuss strategies for control of post operative pain in this patient.
  
4. A 55-year-old woman presents with a parotid lump of six years duration. She says it has started to enlarge rapidly over last three months.  
Outline the diagnosis and treatment of this patient.
  
5. A 65-year-old man who is on treatment for ischaemic heart disease is awaiting surgery for excision of an advanced maxillofacial tumour.  
Outline the preoperative assessment and management of this patient's cardiovascular system.
  
6. A 58-year-old woman who is diagnosed to have primary hyperparathyroidism is awaiting surgery.  
Discuss the perioperative measures to ensure highest possible chance of a cure for this patient.