



UNIVERSITY OF NAIROBI

HISTORY TAKING & EXAMINATION IN E.N.T. SURGERY

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OTOLOGY, NEUROTOLOGY & THE LATERAL SKULL BASE

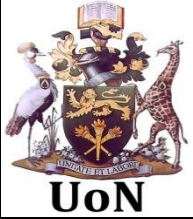


- External ear
- Middle ear and mastoid air cell system
- Eustachian tube
- Inner ear
 - Cochlear
 - Vestibular apparatus

AUDIOLOGY

- Hearing screening
 - Newborn, Childhood and Patient screening
- Investigation of patients with hearing loss
- Hearing tests
- Vestibular assessment

RHINOLOGY & ANTERIOR SKULL BASE



- Nasal system
- Turbinate system
- Paranasal sinus system
- Wide spectrum of disease
 - Epistaxis
 - Trauma
 - Malignancy

PHARYNGOLOGY

- Nasopharynx
 - Base of skull to superior surface of the soft palate

- Oropharynx
 - Inferior surface of soft palate to tip of epiglottis

- Hypopharynx
 - Tip of epiglottis to cricopharyngeal sphincter

LARYNGOLOGY & VOICE MEDICINE

- Supraglottis
- Glottis
- Subglottis

Head & Neck Surgery

- Salivary glands
- Thyroid gland
- Neurovascular structures
- Lymphoid structures
- Branchial apparatus

RADIOLOGY

1. Plain x-rays of the skull & the cervical region
2. US of the neck & salivary glands
3. CT scans of the head and neck
4. MRI of the head & neck
5. Newer modalities of imaging in the head and neck

History Taking & Examination

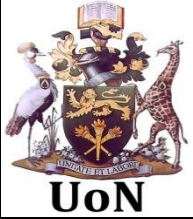
Introduction

- History and clinical examination basis of diagnosis in 80% of cases
- Approach whole patient
- Maintain patient's dignity
- Be sensitive to cost effectiveness of investigations

On examination

- General examination
- Local examination
- Systemic examination

Basic Equipment

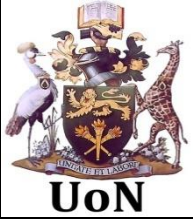


- Good lighting
- Aural instruments
- Nasal instruments
- Oropharyngeal instruments

History taking

- History of present illness
- History of past illness
- Personal History
- Family history

The Ear



- Signs and symptoms
 - Hearing
 - Dizziness
 - Pain
 - Blockage
 - Tinnitus
 - Discharge
 - Itching
 - Swelling
 - Deformity

The Ear

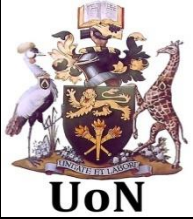
- Physical examination
 - External ear
 - Pinna
 - Mastoid region
 - Otoscopy
 - External auditory canal
 - Tympanic membrane
 - Middle ear

Functional Otologic exam

- Auditory function
 - Voice tests
 - Tuning fork tests

- Vestibular functions
 - Gait tests
 - Nystagmus
 - Positional tests
 - Fistula tests

Audiological investigations



- Audiometric
- Biochemistry
- Serological/Immunological
- Radiological

Nose and Sinuses

- Symptomatology
 - Discharge
 - Swelling/deformity
 - Obstruction
 - Bleeding
 - Headache/facial pains
 - Pains
 - Smell disturbance
 - Snoring
 - Sneezing
 - Postnasal drip

Nose and Sinuses

- Physical Examination
 - External nose
 - Vestibule
 - Anterior Rhinoscopy
 - Posterior Rhinoscopy
 - Nasal endoscopy
 - Rhinomanometry
 - Smell tests

Nose and Sinuses

- Functional examination
- Patency
 - Mirror/spatula test
 - Cotton test
 - Acoustic rhinomanometry
- Smell test

Nose and Sinuses

- Investigations
 - Haematological
 - Nasal smear
 - Allergy tests
 - Immunological
 - Radiological
 - Plain xrays, CTscans, MRI
 - Renal function tests

Symptomatology in the Throat

- Pain
- Taste disturbance
- Swelling
- Sorethroat
- Hawking
- Lump
- Dysphagia
- Odynophagia
- Ulcers/sores
- Voice changes
- Lump
- Cough
- Halitosis
- Burning sensation
- Difficulty in breathing

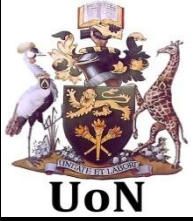
The throat

- Physical examination
 - Lips
 - Buccal mucosa
 - Gums and teeth
 - Hard palate
 - Tongue
 - Floor of mouth
 - Retromolar trigone

Throat

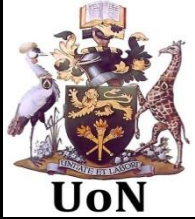
- Physical examination
 - Soft palate
 - Tonsils
 - Base of tongue
 - Posterior pharyngeal wall
 - Vallecular
 - Hypopharynx
 - Larynx
- Bimanual palpation

Throat



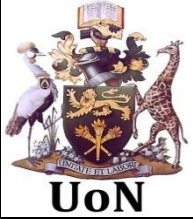
- Functional Examination
 - taste
 - Indirect laryngoscopy
 - Flexible nasolaryngoscopy
 - Rigid Laryngoscopy
 - Videostroboscopy

Throat



- Investigations
 - Haematological
 - Serological/immunological
 - Radiological-Plain Xrays, CT scans, MRI, Contrast studies

Neck



- Symptomatology
 - Pain
 - Swelling
 - Discharge
 - deformity

Neck

- Physical Examination
 - Anatomic location of swelling
 - Description of swellings/masses
- Investigation
- Hematological
- Serological/Immunological
- Fine Needle Aspirate Cytology
- Radiological
 - Plain Xrays, CT Scans, MRI, Angiography, Ultrasound, sialography

Other Systems

- Neurological
- Respiratory-One airway, one disease?
- Cardiovascular
- GIT
- Others depending on presentation