Basrah university / College Of Medicine
Department of Human Anatomy
Syllabus of Anatomy 1 /1st semester / Second year / 2024-2025

Neurology Lec .	hrs	Objectives
Osteology skull		**Dr. Saja M. Ali**
• General features • Normal anatomical position • Cranial bones • Facial bones • Sutures • Clinical notes	1	At the end of these lectures the student should be able to identify : • Parts of skeleton (axial and appendicular) • Parts of skull • Sutures of skull
Views of the skull		**Dr. Saja M. Ali**
• Norma verticalis • Norma occipitalis • Norma facialis • Norma lateralis • Norma basalis • Calvaria • Clinical notes	1	At the end of these lectures the student should be able to identify • Different bones of skull • Mention the different views (Norma) of skull Bones forming each view
Emissary veins & Diploic veins		**Dr. Saja M. Ali**
• Definition of emissary veins • What are diploic veins • Their connection • Their functions • Clinical notes	1	At the end of these lectures the student should be able to • The location of emissary veins, diploic veins • Name the connections • What are clinical correlates
Cranial fossa		**Dr. Saja M. Ali**
• Cranial fossa • Anterior , middle ,posterior • Contents of each • Main clinical points of view	1	At the end of these lectures the student should be able to • Name divisions of the cranial fossa • Anterior cranial fossa , middle and posterior . • Foramens & structures passing through them
Neonatal skull		**Dr. Saja M. Ali**
• Fetal skull • Gross anatomy • Differences between female and male skull • Clinical notes	1	At the end of these lectures the student should be able to Compare fetal skull with adult skull Identify fontanels and their location

Mandible		**Dr. Saja M. Ali**
• Surface anatomy • Main landmarks on external surface • Internal surface • Main muscles associated • Clinical notes	1	At the end of these lectures the student should be able to • Identify gross anatomy of the mandible • Mention clinical points of view
Meninges		**Neurosurgeons**
• Definition • Classification • Dural folds • Vascular and nerve supply • Clinical points	1	At the end of these lectures the student should be able to • Define meninges and name the layers • List the dural folds • Describe the anatomy and arrangement of each fold • Name functions of meninges • Relate their clinical importance
Cranial venous sinuses		**Neurosurgeons**
• Definition • Features • Function • Classification • Paried and unpaired sinuses ,origin ,drainage ,communications • Clinical notes	1	At the end of these lectures the student should be able to • Define DVS • Classify DVS • Mention important features of each • mention their communication, drainage and their tributaries. • recognize their clinical importance
Cavernous sinus		**Neurosurgeons**
• Definition • Contents • Communications • Clinical points of view	1	At the end of these lectures the student should be able to • Recognize the clinical points of defected sinus function
Spinal cord P1		**Neurosurgeons**
• Definition • External structure • Coverings • Spinal nerves • Blood supply • Applied anatomy • Clinical notes	1	At the end of these lectures the student should be able to • Mention main anatomical features • Describe the main tracts and how they are divided • Follow motor and sensory pathways • Main lesions and symptoms

Spinal cord P2		**Neurosurgeons**
• **Internal structure of spinal cord** • **Clinical notes**	**1**	**At the end of these lectures the student should be able to** • **Mention structures found on cross section** • **Mention structures at each level** • **Identify the lesions associated with each**
Spinal cord tracts		**Neurosurgeons**
• **Main ascending tracts** • **Main descending tracts** • **Pathway for each tract** • **Lesions associated with each**	**1**	**At the end of these lectures the student should be able to** • **Identify the ascending tracts** • **Identify the descending tracts** • **Mention clinical correlates**
Cerebrospinal fluid CSF		**Neurosurgeons**
• **Definition,** • **Composition** • **Formation,** • **Circulation** • **Drainage** • **Clinical notes**	**1**	**At the end of these lectures the student should be able to** • **Follow the path of CSF** • **Mention main defects** •
Ventricular system of brain		**Neurosurgeons**
• **Definition** • **Types** • **Relation** • **Connection** • **Clinical notes**	**1**	**At the end of these lectures the student should be able to** • **Describe the ventricular system of the brain** **Name main ventricles and their anatomical relations**

Head And Neck		Theory = 17
Head And Neck	**hr**	**Objective**
Scalp		**د ابراهيم فالح**
❖ boundaries of scalp ❖ layers of scalp ❖ skin ❖ superficial fascia ❖ epicranial aponeurosis & occipito frontalis muscle ❖ layer of avascular loose areolar tissue & subaponeurotic space ❖ periosteum "pericranium" ❖ blood supply of the scalp ❖ arterial supply ❖ venous drainage ❖ lymphatics ❖ nerve supply of the scalp ❖ Clinical notes	1	Objective : At the end of this lecture the student must: *know the boundaries of scalp *Identify the layers of scalp *Know the arterial blood supply and venous drainage of the scalp * Know the nerve supply of the scalp *Know the lymphatic drainage *Know important clinical notes
The Face		**د.ابراهيم فالح**
❖ layers of the face ❖ skin ❖ muscles ❖ subcutaneous tissue ❖ deep fascia ❖ sweat & sebaceous glands ❖ mucocutaneous junction ❖ mucus & salivary glands ❖ blood supply of the face ❖ arterial supply ❖ venous drainage ❖ lymphatic drainage ❖ sensory innervations of the face ❖ motor innervations of the face ❖ muscles of facial expression ❖ embryology ❖ morphology ❖ arrangement ❖ muscles around the orbit ❖ muscles around the nose ❖ muscles around the mouth ❖ sensory innervations of the face ❖ trigeminal nerve (v) ❖ ophthalmic division: va	2	Objective :At the end of this lecture the student must be able to : *Describe the layers of the face *Know the three groups of the muscles of facial expression and their action * Identify the arterial blood supply of the face *Identify the venous drainage of the face *Know the motor and sensory supply of the face *Know important clinical notes

❖ maxillary division: vb ❖ mandibular division: vc ❖ greater auricular nerve: c2 ❖ clinical notes		
Parotid gland		**د ابراهيم فالح**
❖ Introduction ❖ Surfaces ❖ Lobes ❖ Superficial lobe ❖ Deep lobe ❖ Glenoid lobe ❖ Parotid fascia ❖ Accessory gland ❖ Structures within the Parotid gland ❖ Superficial relation of the gland ❖ Deep relation "The bed of the gland" ❖ Parotid Duct ❖ Blood supply ❖ Arterial supply ❖ Venous drainage ❖ Lymphatics ❖ Nerve Supply ❖ Facial nerve ; Extra cranial course ❖ Branches of the facial nerve ❖ Facial palsy & Types of facial nerve injuries	1	Objective :At the end of this lecture the student must be able to : *Describe the structure , loctions and anatomical relations of the parotid glands * identified the neurovascular supply of the parotid glands * To demonstrate the some clinical notes related to parotid
Oral Cavity		**د ابراهيم فالح**
❖ The mouth ❖ The vestibule ❖ The mouth proper: ❖ Gingiva (gum) ❖ The Teeth ❖ The Palate ❖ Introduction ❖ Hard palate ❖ Soft palate, ❖ Muscles of the soft palate ❖ Action of palatal muscles ❖ Nerve supply ❖ Blood supply ❖ The Tongue ❖ Introduction ❖ Muscles of the tongue ❖ Blood supply of the tongue ❖ Arterial supply ❖ Venous drainage	1	. Objective :At the end of this lecture the student must be able to : To describe the anatomical Structure of the lip . To identify the Structure of the cheek and their Blood and nerve Supply. .To define the gingivae . .To describe parts ,Floor and roof of the mouth . .To describe the tongue muscle , blood and nerve Supply

❖ Lymphatic drainage ❖ Nerve supply ❖ Function of the tongue ❖ Submandibular gland ❖ Submandibular duct ❖ Relations ❖ Superficial part ❖ Deep part ❖ Arterial supply ❖ Venous drainage ❖ Lymphatics ❖ Nerve supply ❖ Sublingual gland ❖ Relations ❖ Muscles of the floor of the mouth ❖ Clinical notes		
Muscles of mastication		**د ابراهيم فالح**
❖ Defintion of muscles of mastication ❖ Buccinator muscle, origin ,insertion ,action ,blood and nerve supply ❖ Temporalis muscle muscle, origin ,insertion ,action ,blood and nerve supply ❖ Medial pterygoid muscle, origin ,insertion ,action ,blood and nerve supply ❖ Lateral pterygoid muscle, origin ,insertion ,action ,blood and nerve supply ❖ Clinical notes	1	Objective : At the end of this lecture the student must be able to: *Define and enlist the muscles of mastication *Describe the origin and insertion of each muscle *Describe the blood supply of each muscle *Describe the nerve supply of each muscle *describe the action of each muscle
The neck		**د ابراهيم فالح**
❖ Boundaries ❖ Deep cervical fascia: (fascia of the neck) ❖ Investing layer. ❖ Pretracheal fascia. ❖ Prevertebral fascia. ❖ Carotid sheath. ❖ Tissue spaces of the neck. ❖ Clinical notes	1	Objective : At the end of this lecture the student must be able to: .To describe the Vertebrae joint in the Cervical region. .To define the Bonny , Cartilaginous and muscular Landmarks in the neck. .To describe the Skin in the neck and its Clinical importance .
Neck triangles		**د ابراهيم فالح**
Anterior triangle of the neck ❖ Introduction ❖ Subdivisions of the anterior triangle ❖ Submental triangle ❖ Digastric (Submandibular) triangle	1	Objective : At the end of this lecture the student must be able to: To describe the anterior and posterior triangles of the neck and its contents.

❖ Carotid triangle ❖ Muscular triangle ❖ Infra hyoid muscles ❖ Action of infra hyoid muscles ❖ Digastric muscle ❖ Clinical notes		. To describe deep dissection of the neck Fascia , tissue Spaces , nerves ,Carotid Sheath). .To identity the Blood vessels of the neck .To list Surface anatomical Land marks related with Some clinical points. Lymphatic of neck
Posterior triangle of the neck ❖ Introduction ❖ Contents of the posterior triangle ❖ Lymph nodes ❖ Accessory nerve ❖ Cervical plexus ❖ Muscular branches ❖ Cutaneous branches ❖ Sternocliedomastoid muscle ❖ Clinical notes	1	.T o list main lymph node in the region .to define the main functions and clinical importance . .to outline the passage of the lymphatic drainage
Thyroid & parathyroid glands		**د ابراهيم فالح**
❖ Introduction ❖ Thyroid Lobe ❖ Pyramidal lobe ❖ Accessory thyroid gland ❖ Blood supply ❖ Arterial supply ❖ Venous return ❖ Lymphatics ❖ Nerve Supply ❖ Parathyroid glands ❖ Points of surgical importance	1	Objective : At the end of this lecture the student must be able to: .To define anatomical Structures of thyroid and parathyroid . .To identity the Blood Supply ,its relation of thyroid and Para -thyroid . .To describe applied anatomy of thyroid . .To memorize Structures related with thyroid and parathyroid glands Blood vessels of the neck

The Larynx		**Dr. Saleh M.**
❖ General description ❖ Structure ❖ Thyroid cartilage ❖ Cricoid cartilage ❖ Epiglottic cartilage (Epiglottis) ❖ Arytenoid cartilage ❖ Interior of the larynx ❖ Blood supply ❖ Lymphatics ❖ Movements of the larynx ❖ Function of the larynx ❖ Clinical notes	1	Objective : At the end of this lecture the student must be able to: .to define the anatomical structures of Larynx . to list the cavity , membranes of Larynx . to describe laryngeal musculature and their functions . to describe blood supply , nerve supply and movements of Larynx

The Pharynx		Dr. Saleh M.
❖ The wall of the pharynx ❖ Superior constrictor ❖ Middle constrictor ❖ Inferior constrictor ❖ Salpingopharyngeus, Stylopharyngeus & Palatopharyngeus ❖ Functions of muscles of the pharynx ❖ Relation of the structures to the pharynx ❖ The Interior of the pharynx ❖ Nasophary ❖ Oropharynx ❖ Laryngopharynx ❖ Blood supply ❖ Nerve supply ❖ Lymphatic drainage ❖ Clinical notes	1	Objective : At the end of this lecture the student must be able to: .to define the anatomical structures of the pharynx and its boundaries and wall . pharyngeal constrictor muscles with its origin ,insertion and functions To demonstrate pharyngeal divisions To list the extrinsic muscles of the pharynx To discuss the relations of the pharynx and the lymphatic drainage
The Nose		**Dr. Saleh M.**
❖ The external nose ❖ Skeleton of the nose ❖ The nasal cavities ❖ roof ❖ The floor ❖ The medial wall The lateral wall ❖ Nerve supply ❖ Blood supply ❖ Lymphatic drainage ❖ Clinical notes	1	Objective : At the end of this lecture the student must be able to: .to describe the anatomical structures of nose .to identify the nasal cavity , nasal septum and lateral wall. . To discuss blood supply , nerve supply .to relate some clinical conditions
The Ear		**Dr. Saleh M.**
❖ The External Ear ❖ The Middle ❖ Lateral Wall ❖ Medial Wall ❖ Anterior Wall ❖ Posterior Wall ❖ The Roof The Floor ❖ Ossicles of the middle ear ❖ Auditory tube (Eustachian tube) ❖ The Internal Ear ❖ Bony labyrinth ❖ Membranous labyrinth ❖ Clinical notes	1	Objective : At the end of this lecture the student must be able to: . to describe the anatomical structures of external ,middle and inner ear . To discuss applied anatomy of the ear.

Orbit		Dr. Saleh M.
❖ Bonny orbit ❖ Structures ,layers and extraocular muscles ❖ Blood and nerve supply ❖ Lacrimal gland ❖ Structures and functions ❖ Clinical notes	3	Objective : At the end of this lecture the student must be able to: .to describe the orbital cavity and surrounding structures .to identify the wall of the orbit and foramina with structures passing through. Eye ball and lacrimal apparatus .to define the layers of the eyeball and their functions .to describe lacrimal apparatus and their functions .to relate some clinical conditions Orbital fascia and extra ocular muscles . to follow the fascia of orbital cavity .to list the muscles ,nerve supply and functions .to relate some clinical conditions