

School of Medicine
Anatomy Department

Course title: Head Neck- Theory

Credit: Theory 1.2 practice 0.5

Course lecturers:

Midterm, Bone contents: about 40% of whole mark

Final contents: about 60% of whole mark

Mid exam grade: 8

Final Exam grade: 12

References: Snell & Gray's anatomy for students

Theory course description:

Teaching the principles of head neck anatomy that includes bones, muscles, vessels and nerves

Learning Objectives:

After learning, the student should be able to describe the:

Some terms about skull such as sutures, fontanel, some landmarks.

Aspects of skull one by one (anterior, posterior, superior, inferior) and Base of skull

Scalp (layers, innervation & blood supply)

Meninges (layers, dural folds & sinuses) and clinical notes

About neck: Fascia (superficial & deep), neck triangles, muscles (SCM, Trapezius, suprahyoid muscles, Infrahyoid muscles as strap muscles, scalene muscles) and function.

Cervical plexus, cervical Ansa and skin innervation and innervation of muscles of the neck,

Arteries and veins of the neck (external carotid and branches /external jugular formation & internal jugular formation) and lymphatic drainage of the neck (superficial and deep).

Face: Muscles, arteries (facial & branches, superficial temporal and some branches of ophthalmic), veins (facial, superficial temporal and some branches to ophthalmic vein) and lymphatic drainage of the face.

Innervation of facial muscles (facial nerve and branches), skin innervation of face (trigeminal branches & Great auricular nerve) -mastication muscles, innervation and function

Infratemporal boundaries & contents include muscles inside the Infratemporal fossa &, nerves inside the Infratemporal fossa (mandibular branches, optic ganglion, chorda tympani) and arteries inside the Infratemporal fossa (branches of maxillary artery). Veins (pterygoid plexus)

Pterygopalatine fossa & contents (maxillary nerve, third part of maxillary artery and branches) and TMG

Salivary gland (parotid, submandibular & sublingual) & thyroid gland (structure, blood & nerve supply)

Embryology of head & neck

Practice course description:

Illustrating, naming and explaining the bones, muscles, vessels and nerves (of head & neck)

Via cadaver and moulages & bones

Learning Objectives:

After learning, the student should be able to show and can name the: 1- bones of skull (in anterior, posterior, superior, inferior aspects) and one by one and TMG & Atlantooccipital J.

Cranial cavity: Bone of skull base (intracranial & extra cranial) & sinuses and cranial nerve passing

Scalp (layers, innervation & blood supply) – meninges (layers, blood supply)

Triangles (ant & post triangles, supra & Infrahyoid regions and triangles), muscles of the neck (supra & Infrahyoid muscles, SCM, trapezius, Platysma, scalene). thyroid gland and submandibular glands

cervical plexuses (motor part or Ansa cervical and branches -sensory part with branches), carotid sheath (jugular, carotid arteries vagal nerve),

External carotid artery and branches & veins of the neck (external, anterior & internal jugular veins)

face: muscles, arteries & veins (facial, superficial temporal and branches of ophthalmic) and mastication muscles, parotid gland

sensory (branches of trigeminal nerve) and motor innervation of the face (branches of facial nerve)

Theory

	Subject	Lecturer	Presentation Method	Time	Tuesday
			Theoretical lectures		
1	Skull terminology -Bones of the anterior & lateral view of skull- Temporal- Infratemporal&Ptrygopalatine fossae	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/07/16
2	Bones in sup &posterior view of skull	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/07/23
3	Floor of cranial cavity -cranial nerve passing and sinuses	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/07/30
4	Bones of the Inferior view of skull -Mandibular bone	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/08/07
5	Neck (fascia / tringles / muscles /)	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/08/14
6	Vessels of the neck (veins & arteries and lymphatic vessels) - cervical plexus and submandibular gland, thyroid gland	Dr. Eftekharzade	Theory - Attendance class	8-12	1404/08/21

7	Face (muscles / sensory innervation / motor innervation) and parotid gland	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/08/28
8	Vessels of face and scalp (artery & vein and lymphatic vessels) Innervation of the scalp	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/09/05
9	Temporal, infratemporal, pterygopalatine fossa (boundaries and contents)	Dr. Eftekharzade	Theory - Attendance class	8-12	1404/09/12
10	Embryology of head & neck	Dr. Eftekharzade	Theory - Attendance class	8-10	1404/09/19
11	Integration clinical and basic sciences				

Practice:

	Subject	Lecturer	Presentation Method Practical lectures via bones/moulages cadaver	Time	Tuesday
1	Bones of the anterior & lateral view of skull- Temporal-Infratemporal&Ptrygopalatine fossae	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/07/19
2	Bones of the sup & posterior view of skull	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/07/26
3	Floor of cranial cavity -cranial nerve passing and sinuses	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/08/03
4	Bones of the Inferior view of skull -Mandibular bone	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/08/10
5	facias / tringles / muscles of the neck cervical plexus, carotid sheet and Viens and arteries of the neck	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/08/17
6	Cadaver -part 1 (facias / tringles / muscles of the neck cervical plexus, carotid sheet and Viens and arteries of the neck)	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/08/24

7	Face (muscles / sensory innervation / motor innervation or fascial nerve branches) and parotid gland	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/09/01
8	Vessels of face & neck and scalp	Dr. Eftekharzade	practice - Attendance class	-12 17	1404/09/08
9	Cadaver -part 2	Dr. Eftekharzade	practice - Attendance class	12- 17	1404/09/15