In the name of GOD

Tabriz University of Medical Sciences

Course Guide for Anatomical Sciences – Head and Neck

Course Code: 103

Course Instructor: Dr. Abbas Majdi **Contact Number / Student Access: 33342086**

Prerequisite or Corequisite: Introduction to Anatomical Sciences

Course Credits: 1.7 **Course Type: Theoretical / Practical**

Program Level: Doctor of Medicine (M.D.) **Number of Sessions: 17**

Course Duration: According to the academic calendar

Class Schedule: Mondays and Wednesdays

Classroom Location: School of Medicine classrooms **Virtual Class Link: — (M.D.)**

Other Instructors:

First Name	Last Name	Academic Rank	Department	Preferred Method of Contact
Abbas	Majdi	Associate Professor	Anatomical Sciences	In-person
Hamid	Taifi	Professor	Anatomical Sciences	In-person
Dariush	Mohammadnejad	Professor	Anatomical Sciences	In-person

General Objective of the Course

By the end of this course, students should be able to identify the following and understand the importance of their surface and radiological findings under normal and clinical conditions:

1. The anatomical structure and components of the cranial and facial bones.
2. The anatomical structure, position, and relationships of the elements of the neck.
3. The blood supply and innervation of the neck region.
4. The anatomical structure, position, and relationships of the facial components, viscera, and cavities.
5. The development of different parts of the neck and face, including congenital anomalies of these regions.

Additionally, students should be able to:

1. Locate clinically important bony and surface landmarks of each bone.
2. Identify clinically important parts of the neck along with the associated vessels and nerves on cadavers and anatomical models.
3. Identify clinically important parts of the face, viscera, and cavities along with the associated vessels and nerves on cadavers and anatomical models.
4. Recognize the clinically important parts of the skull and face on radiographic images.

Specific Objectives of the Course

It is expected that upon completion of this course, learners will be able to:

1. Examine the cranial bones in general.
2. Examine the facial bones in general.
3. Describe the views, growth, and development of the infant skull in detail.
4. Recognize and identify the surface landmarks and fasciae of the neck.
5. Locate the posterior triangle of the neck and understand its components.
6. Identify the anterior triangles of the neck and be familiar with their components.
7. Recognize and name the structures of the face and parotid region.
8. Identify the temporal and infratemporal fossae and describe their components.
9. Understand the development of pharyngeal arches, pouches, and clefts and learn the resulting clinical implications.
10. Describe the development of the face, tongue, and teeth in detail.
11. Learn the clinical, practical, and radiological anatomy of the head and neck and acquire the ability to apply it effectively.

Method of Instruction

1. The theoretical sessions are conducted in the classroom using a flipped classroom approach according to the schedule announced at the beginning of the course. Parts of the topics are presented as small group teaching by the students themselves.

   At the end of each class, a summary session is held in the form of a clinical case using brainstorming and group discussion.

2. The practical sessions begin with work on the dissection table.

3. Subsequently, practical sessions continue with work on cadavers, anatomical models, and osteology specimens.

4. Finally, students participate in dissection classes to facilitate a deeper understanding..

Student Evaluation Method

- Written and MCQ Exam: 12 points
- Practical Exam (Cadaver Work): 8 points
- Minimum Passing Grade: 10
- Allowed Absence Hours: 0
- Allowed Excused Absence Hours (with instructor's approval):
  According to the approved educational regulations, the maximum excused absence is:
  - 4/17 of total hours for theoretical courses
  - 2/17 of total hours for practical and laboratory courses
  - 1/17 of total hours for apprenticeship and internship courses

Educational Resources

- Clinical Anatomy by Region. R.S. Snell, 11th Edition, 2024
- Langman's medical Embryology. T.W. Sadler. Lippincott Williams & Wilkins. 15th Edition, 2022

Contact Information

Instructor and Course Coordinator: Dr. Abbas Majdi

Educational Officer: Ms. Nadia Keyvani – 33342086

Full Name and Signature of the Course Instructor	Full Name and Signature of the Department Head	Full Name and Signature of the Office of Development Coordinator