

In the name of GOD
Tabriz University of Medical Sciences

**Course Guide for Anatomical Sciences –
Endocrine Glands**

Course Code: 107

Course Instructor: Dr. Kobra Valaei Contact Number / Student Access: 33342086

Prerequisite or Corequisite: Introduction to Anatomical Sciences

Course Credits: 0.5

Course Type: Theoretical / Practical

Program Level: Doctor of Medicine (M.D.)

Number of Sessions: 6

Course Duration: According to the academic calendar

Class Schedule: Sunday and Tuesday 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
Kobra	Valaei	Assistant Professor	Anatomical Sciences	In-person
Leila	Roshangar	Professor	Anatomical Sciences	In-person

General Objective of the Course

Cognitive Domain:

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 clinically important anatomical structure and relationships of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
2. The clinically important blood vessels and nerves of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
3. The clinically important microscopic structure of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
4. The development of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
5. Congenital anomalies of the endocrine glands.

Psychomotor (Skill) Domain:

1. Identify the location of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands on cadavers and anatomical models.
2. Recognize the surface landmarks of the endocrine glands on a living person or cadaver.
3. Locate the glands on radiographic images.
4. Identify the histological structure of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands under the microscope.

Specific Objectives of the Course

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

1. Fully learn and describe in detail the anatomy of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
2. Fully understand and describe the histology of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
3. Understand and explain the development of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
4. Understand and apply the clinical, practical, and radiological anatomy of the endocrine glands.

Method of Instruction

1. The theoretical sessions are held in the classroom in the form of lectures according to the schedule announced at the beginning of the course.
2. The practical sessions are conducted through hands-on work with cadavers, anatomical models, and osteology specimens.

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
- Junqueira's basic histology. Anthony L. Mescher. McGraw-Hill Education. 17th edition, 2024
- Langman's medical Embryology. T.W. Sadler. Lippincott Williams & Wilkins. 15th Edition, 2022

Contact Information

Instructor and Course Coordinator: Dr. Kobra Valaei

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**