In the name of GOD

Tabriz University of Medical Sciences

Course Guide for Anatomical Sciences – Urinary and Reproductive Systems

Course Code: 110

Course Instructor: Dr. Ali Abedollahi **Contact Number / Student Access: 33342086**

Prerequisite or Corequisite: Introduction to Anatomical Sciences

Course Credits: 1.1 **Course Type: Theoretical / Practical**

Program Level: Doctor of Medicine (M.D.) **Number of Sessions: 18**

Course Duration: According to the academic calendar

Class Schedule: Sunday 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
Ali	Abedollahi	Professor	Anatomical Sciences	In-person
Dariush	Mohammadnejad	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 structures and understand the importance of their surface and radiological findings under normal and clinical conditions:

1. The structure of the pelvis, including bones, joints, muscles, and clinically important vessels and nerves.
2. Pelvic dimensions, measurement methods, and differences between male and female pelvises.
3. The anatomical structure, position, and relationships of the clinically important parts of the male reproductive system (internal and external structures).
4. The anatomical structure, position, and relationships of the clinically important parts of the female reproductive system (internal and external structures).
5. Blood supply, innervation, and lymphatic drainage of the clinically important parts of the male and female reproductive systems.
6. Dimensions and contents of the perineum.
7. Surface and radiological anatomy of the male and female reproductive systems.
8. Microscopic structure of the clinically important parts of the male and female reproductive systems.
9. Microscopic differences of the clinically important parts of the male and female reproductive systems.
10. Developmental process of the clinically important parts of the male and female reproductive systems.
11. Developmental anomalies of the urinary and reproductive systems.

Psychomotor (Skill) Domain:

1. Identify clinically important pelvic structures—including bones, joints, muscles, vessels, and nerves—on cadavers and anatomical models.
2. Measure pelvic dimensions and distinguish between male and female pelvises.
3. Identify clinically important parts of the male reproductive system (internal and external structures) on cadavers and models.
4. Identify clinically important parts of the female reproductive system (internal and external structures) on cadavers and models.
5. Demonstrate clinically important vessels, nerves, and relationships of the male and female reproductive systems on cadavers and models.
6. Determine the dimensions and contents of the perineum in males and females and note the differences on cadavers.
7. Identify the different parts of the male and female reproductive systems on radiographic images.
8. Recognize the histological structure of different parts of the male and female reproductive systems under the microscope.

Specific Objectives of the Course

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

1. Describe the anatomy of the pelvis in full detail.
2. Explain the anatomy and histology of the kidneys in full detail.
3. Describe the anatomy and histology of the ureters, urinary bladder, and urethra in full detail.
4. Explain the embryology of the urinary and reproductive systems comprehensively.
5. Understand and effectively apply the clinical, practical, and radiological anatomy of the urinary and reproductive systems.
6. Describe the anatomy and histology of the testes, epididymis, and vas deferens in full detail.
7. Explain the anatomy and histology of the prostate, seminal vesicles, and bulbourethral glands in full detail.
8. Describe the anatomy and histology of the ovaries, uterus, and fallopian tubes in full detail.
9. Explain the perineum and the superficial and deep perineal spaces in full detail.
10. Describe the external genitalia and the vagina in full detail.

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. Ali Abedollahi

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