



University of Benghazi
Faculty of Medicine



Anatomy and Embryology Course (1201)

Overview

The Anatomy and Embryology course is one of the basic requirements of the human medical program, it is taught in the second year. The number of study hours is 210 hours.

The course aims to :

1. Acquire comprehensive knowledge, and skills on anatomy and embryology of head and neck as applied to systemic, surface and radiological anatomy
2. Acquire comprehensive knowledge, and skills on anatomy and embryology of abdomen and pelvis as applied to systemic, surface and radiological anatomy
3. Acquire comprehensive knowledge, and skills on anatomy neuroanatomy as applied to systemic, surface and radiological anatomy and development of central & peripheral nervous system
4. Acquire self-directed, lifelong learning skills, and team dynamics.

Learning outcomes

Knowledge and understanding

1. Discuss the developmental stages and basic structure and function of bones, muscles, nerves and vessels of the head and neck.
2. Describe the developmental stages and basic structure and function of bones, muscles, nerves and vessels and internal organs of abdomen and pelvis.
3. Discuss the developmental stages, structure and function of central and peripheral nervous system.
4. Identify the concepts of self-directed, lifelong learning skills, and team dynamics.

Intellectual skills

1. Determine the anatomical site of different bones, origin and insertion of muscles and the course of nerves and vessels of head and neck.
2. Distinguish between the origin and insertion of different muscles, anatomical landmarks of abdomen and pelvic viscera.
3. Determine the anatomical landmarks of central and peripheral nervous system
4. Analyze their roles and responsibilities inside their teams.

Practical and professional skills

1. Determine the position and course of internal structures of head and neck in cadaver and normal anatomical structures on radiographs.
2. Recognize the different anatomical landmarks of abdomen and pelvic viscera in cadaver and normal anatomical structures on radiographs.
3. Identify the different structures of central and peripheral nervous system in cadaver and normal anatomical structures on radiographs.
4. Conduct self and lifelong learning strategies throughout the course.

General and learning methods

1. Communicate effectively with their colleagues and teachers.
2. Demonstrate ethical consideration in dealing with cadavers.
3. Manage time appropriately.

Teaching and learning methods

1. Interactive lectures. .
2. practical sessions.
3. Blended learning.
4. Team Based Learning (TBL).

Student Assessment Methods:

1. MCQs and Written short notes essay.
2. TBL.
3. OSPE and slide examination to assess laboratory skills.
4. Structured viva.

References:

1. Richard L Drake, A.Wayne Vogl, Adam W M Mitchell. Gray's anatomy for Students. 4th edition 2020 Elsevier.
2. Lawrence E. Wineski. Snell's Clinical Anatomy By Regions. 10th edition. 2019 Wolters Kluwer.
3. Sadler T. W. Langman's Medical Embryology. 14th Edition. 2019 Wolters Kluwer.