

Medicine School
Format of course plan

Course title: upper extremity Anatomy

The audiences: International medical students, 2nd semester

Total credit: 0.75 / 1.5

The time to answer of questions: Saturday 10-12

The time of the lesson: first semester, Sunday 10-12

Teacher: dr. Shiva Roshankhah

Prerequisite: nothing

General goals: Understanding the upper limb structure of the human body And the study of disorders caused by diseases, including skeletal and muscular disorders.

General goals of sessions:

- 1- Description of the Anatomy, the study of anatomy and terminology
- 2- Description of upper limb bones (scapula, clavicle, humerus)
- 3- Description of upper limb bones (radius, ulna, carpus bones, metacarpal bones, phalanges)
- 4- Description of the muscles and pectoral fascia and scapular muscles and axillary vessels
- 5- Description of the structure of the brachial neural network and anterior structures of brachium
- 6- Description of Cubital Cavity and posterior structures of brachium
- 7- Description of the structures of the anterior part of the forearm
- 8- Description of hand muscles and vascular and palatal structures and upper limb lymph
- 9- Describe the state of deep fascism in hand. Describe retinaculomas and their connection.
- 10- Description of upper limb joints (virtual)

Specific Goals By the general purpose of each session

General goals of first lesson :

1- Description of the Anatomy, the study of anatomy and terminology

Special goals of first lesson :

Briefly describe the history of anatomy. Explains the importance of visualization and visualization in learning anatomy. Describe the concepts of surface and depth anatomy and surface markings. Explains the common terminology in Anatomy.

General goals of second lesson :

Description of upper limb bones (scapula, clavicola, humerus)

Special goals of second lesson :

Show how to placing the clavicle, scapula and humerus bone. Determine shoulder joint. Name the types of arm bone damages.

General goals of third lesson :

Description of upper limb bones (radius, ulna, carpus bones, metacarpal bones, phalanges)

Special goals of third lesson :

Show how to placing the radius, ulna, carpus bones, metacarpal bones, phalanges. Determine joints of this place. Name the types of forearm bone damages.

General goals of forth lesson :

Description of the muscles and pectoral fascia and scapular muscles and axillary vessels

Special goals of forth lesson :

describe fascias the surface and depth of their facies and their importance.
Describes the importance of Fascias and the formation of a compartment. Clinical anatomy of the chest region. Name the nerve of each muscle and actions of them.
describe the rotator cuff muscles and and their importance.

General goals of fifth lesson :

Description of the structure of the brachial neural network and anterior structures of brachium.

Special goals of fifth lesson :

Describe the formation of the brachial network. Describe of brachial network relationship.

General goals of sixth lesson :

Describe the Cubital cavity and posterior of brachium.

Special goals of sixth lesson :

Determine the position of the cubital cavity. Identify the contents the cubital cavity.

General goals of seventh lesson :

Describe the structures of the anterior part of the forearm.

Special goals of seventh lesson :

Determine the position of the forearm muscles. Describe the grouping (flexor and pronator) of these muscles. Determine the complete connections of these muscles.

General goals of eighth lesson :

Determine the Forearm posterior structures.

Special goals of eighth lesson:

Determine the position of the muscles of the forearm. explain the muscle function in daily activities.

General goals of ninth lesson :

Determine the palmar muscles and vascular structures and upper limb lymph nodes.

Special goals of ninth lesson:

Describe the state of deep fascism in hand. Describe retinaculomas and their connection.

General goals of tenth lesson :

Describe the Upper limb joints. (virtual class)

Special goals of tenth lesson:

Describe the definition of the joints. Explain the types of joints in terms of joint type.

At the end of the student's able:

- 1- Description of the Anatomy, the study of anatomy and terminology
- 2- Description of upper limb bones (scapula, clavicle, humerus)
- 3- Description of upper limb bones (radius, ulna, carpus bones, metacarpal bones, phalanges)
- 4- Description of the muscles and pectoral fascia and scapular muscles and axillary vessels
- 5- Description of the structure of the brachial neural network and anterior structures of brachium
- 6- Description of Cubital Cavity and posterior structures of brachium

- 7- Description of the structures of the anterior part of the forearm
- 8- Description of hand muscles and vascular and palatal structures and upper limb lymph
- 9- Describe the state of deep fascism in hand. Describe retinaculomas and their connection.
- 10- Description of upper limb joints (virtual)

References:

Gray's Anatomy for Medical Students Volume II upper and lower extremities
 Snell anatomy for medical students Volume II upper and lower extremities
 Atlas Sobotta Volume I and II

Teaching method:

Lecture, answer and question, problem solved

Educational tools:

Models, Cadaver, Video Projector and Whiteboard

Assessment and evaluation of the test

hour	date	Share of total (score (in percent	Method	Test
////////////////////	End of each sessions	2	Short explanation Multi-choice	Quiz
	Midterm	4	Multi-choice	Mid term exam
	Final	12	Multi-choice	Final Exam
	Each lesson	2	Answer and question	Active attendance at the class

Classroom roles and student expectations:

The presence of all students in all sessions is mandatory and students must attend the each session.

Schedule Anatomy Course Upper Limb

Lecturer	Topic	Sessions
dr. Shiva Roshankhah	Description of the Anatomy, the study of anatomy and terminology	١
dr. Shiva Roshankhah	The upper limb bones (scapula, clavicola, humerus)	٢
dr. Shiva Roshankhah	The upper limb bones (radius, ulna, carpus bones, metacarpal bones, phalanges)	٣
dr. Shiva Roshankhah	The muscles and pectoral fascia and scapular muscles and axillary vessels	٤
dr. Shiva Roshankhah	The structure of the brachial neural network and anterior structures of brachium	٥
dr. Shiva Roshankhah	The Cubital Cavity and posterior structures of brachium	٦
dr. Shiva Roshankhah	The structures of the anterior part of the forearm	٧
dr. Shiva Roshankhah	The hand muscles and vascular and palatal structures and upper limb lymph	٨
dr. Shiva Roshankhah	The state of deep fascism in hand. Describe retinaculomas and their connection	٩
dr. Shiva Roshankhah	Description of upper limb joints (virtual)	١٠