

SYLLABUS

Coordinator:	Prof. Ze'ev Silverman
Course Name:	Human Anatomy of Limbs
Course Number:	471-8-3367
Prerequisites:	Human anatomy from semester 1 + Human anatomy of head & neck in Semester II
Attendance:	Lectures - mandatory Labs - mandatory
Teaching Method:	Frontal lectures/small groups//independent study (radiologic anatomy)
Total Course Hours:	77; 77
Credits:	4.5

Abstract:

Limbs Anatomy focuses on the functional arrangement of the skeletal muscles, the vessels and nerves that supply them, and the bony framework that both facilitates movement and is composed of the principle objects being moved. Special emphasis is placed on joints and on traumatic, chronic inflammatory and other pathologic processes that disturb normal function. Overall, the upper limb is presented as two collaborating and functional units: The arm/forearm, whose function it is to position the 2nd and key unit, the hand/fingers. Understanding the hand and protecting or restoring its function then is possibly the most important goal of the physician treating pathology of the upper limb. A surgeon specializing in pathology of the hand and fingers will lecture on this subject.

Similarly the healthy lower limb functions to allow efficient mobility, enabling the individual to achieve proximity to some item or person to permit use of the hand/fingers on it. Understanding the mechanics involved in walking, therefore, will be another key element of the course. For this purpose, a physical therapist with an expertise in gait mechanics has been recruited for a detailed review of the subject.

Dissections follow the subjects covered by that days lectures and will be performed by the students themselves, assisted by staff and TA's from yrs. 4, 5 and 6 of the Israeli track.

For the PBA component of the course, two clinical vignettes will be introduced in the first and second weeks of the course, respectively. In this way, context is provided for the theoretical material presented, with an emphasis on individual and group learning.

Lectures:

1. Vertebral column
2. Superficial back
3. Shoulder/Brachial Plexus
4. Axilla
5. Arm
6. Elbow/forearm

7. Wrist/hand
8. Hand
9. Deep back
10. Hip/gluteal
11. Thigh
12. Knee
13. Leg
14. Ankle
15. Foot
16. Imaging
17. Clinical correlations

Required Text:

Clinically Oriented Anatomy, Moore & Dalley, 4th
Ed. or later, Lippincott Williams and Wilkins
Or
Clinical Anatomy for Medical Students, Snell

Requirements:

Evaluation:

Practical examination
Final written examination (MCQ)