



Elective course “Anatomy in Vivo” (2016-2017)

I. Why should you choose this course ?

During clinical practice, you are dealing with living patients. Knowledge of anatomy is essential for clinical practice. Living anatomy is locating and examining anatomical structures on living human beings. During this course, you will learn how to palpate, identify and examine different anatomical structures in the living patient. This course concentrate on most important anatomy information already used during clinical practice (patient examination and management). Also, you will learn the anatomical basis of clinical procedures and interventions. The course clarify essential anatomy information and application of knowledge related to skin, breast, bones, muscles, vessels, lymphatic system, nervous system, thoracic wall & organs and abdominal wall and organs.

II. Teaching modalities

The taught component includes lectures PPT, presentations, and lab practical sessions (Showing structures on cadavers and models followed by identifying the structures on yourself or fellow students).

III. learning objectives

- * Describe important anatomical features in the living and their importance in clinical practice.
- * Describe age related changes in anatomical structures and their impact on the patient and clinical practice.
- * Identify and palpate normal anatomical structures in the living and their clinical importance (arteries for pulsations, veins for injection and catheterization, tendons for tendon reflexes, etc.)
- * Examine integrity of anatomical structures (joints, joints' ligaments, muscles and effects of their paralysis, nerves and their injuries, etc.).
- * Localize surface projection of internal organs for their examination during clinical practice (appendix, liver, heart, lung, etc.).

IV. Course program

1. Introduction (lecture). 2. Lecture 1: Skin. 3. Lecture 2: Anatomy of the breast.
4. Practical I: Skeleton and joint anatomy and range of movements.
5. Lecture 4: Skeletal system (examination of bones and main joints).
6. Practical II. Muscles of the limbs, trunk and head and neck.
7. Lecture 4: Muscular system (Movement, examination of muscles and tendon reflexes).
8. Practical III: Vascular system: Heart, main arteries and veins + Lymph nodes.
9. Lecture 5: Vascular system. 10. Lecture 6: Lymphatic system.
11. Lecture 7: Nervous system.
12. Practical IV: Thorax: Lungs, heart, mediastinal structures and thoracic wall.
13. Lecture 8: Thorax.
14. Practical V: Abdomen: organization of abdominal organs and peritoneal spaces
15. Lecture 9: Abdomen.

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