UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Anatomy of The Reproductive System

2627-6-H4102D039-H4102D165M

Aims

Overall aims:

1. to provide a robust and detailed anatomical knowledge of the female reproductive system in order to provide the student with advanced information as a basis for clinical practice.
2. to provide the student with detailed knowledge of the mother-foetus circulatory system and the changes that occur at birth in the new born baby cardiovascular system as a basis for clinical practice and understanding of malformations

Dublin descriptors for the learning outcomes:

1. Knowledge and understanding: students will deepend their knowledge of the female reproductive system anatomy with a specific focus on changes trought pregnacy. Furthermore, mother-foetus circulation as well as normal anatomy of the newborn baby will be discussed;
2. Applying knowledge and understanding: exploiting knoweldge described in point (1), students will be enabled to interpret clinical and diagnostic findings understanding if observed features are normal or not;
3. Making judgements: students will be able to correctly allocate clinical decision based on clinically-oriented anatomy exploitation;
4. Communication skills: students will deepen their ability to discuss with colleagues and patients/caregivers on clinically-oriented anatomy facts relevant to this vertical track;
5. Learning skills: students will deepen their ability to interpret diagnostic findings at clinical evaluation as well as during radiological/diagnostic exames (e.g., US) interpretation.

Contents

Accurate and in-depth description of the female pelvis, with evaluation of the typical changes during pregnancy; description of maternal-fetal circulation and the anatomical bases of cardiovascular malformations.

Detailed program

1. Detailed knowledge of the main viscera of the female reproductive system (ovaries, fallopian tubes, uterus, vagina, external genitalia), specifically addressing: shape, position, relation, ligaments, vascularisation, innervation and recall of microscopic anatomy
2. Changes of the above mentioned viscera during pregnancy
3. Pelvic diaphragm and perineum
4. Mother-foetus circulation and changes of the new-born baby cardiovascular system after birth.
5. Basic information on cardiovascular malformations.

Prerequisites

Knowledge acquired in the 1st year course Fundamentals of Human Morphology

Teaching form

Didactic activities (lessons) rely on different teaching methods: the entire course is divided into 2 in person lessons in the Anatomy Room, u8/Asclepio building in Monza. Each lesson is divided into a part of a delivery nature: the teacher presents the contents using the virtual dissection table present in the Anatomy Room (Anatomage Table) to allow students to visualise the structures presented in 3D. In the second part of the lesson, the teaching is interactive: the class is divided into small groups of no more than 6-8 students, also relying on flipped classroom type activities. The students carry out exercises to consolidate the information presented in the first part of the lesson using the 3D models available in the classroom, paper and/or online teaching materials made available by the teacher and using Anatomage Table for virtual dissections personally. Gamification strategy is also part of the interactive activities: a small team tournament among the different groups is performed using the quiz mode of Anatomage Table

Textbook and teaching resource

Treatise on Human Anatomy (Systemic Approach), Topographic Approach, Atlas - G. Anastasi G. et al.; E. Mtui (editor).
Gray's Anatomy: The Anatomical Basis of Clinical Practice, by S. Standring.
Atlas of Human Anatomy, by F. H. Netter.
Human Anatomy Atlas, by G. Anastasi, E. Gaudio, C. Tacchetti, E. Mtui.

Semester

First term, sixth year.

Assessment method

Two multiple choice questions (1 correct answer out of 4 choices). Every correct answer equals 1 point, not given/wrong answer equals 0 point. This assessment will be part of the assessment of the whole vertical track.

Office hours

Upon appointment emailing the teaching staff.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES