UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Cardiovascular Anatomy I

2627-4-H4102D024-H4102D078M

Aims

To provide the concepts necessary for understanding embryonic development of the heart and fetal growth of the heart. To provide the concepts related to the anatomy of the heart, of the conduction system, and the vessels

Contents

The lessons will cover the most important aspects related to the anatomic and functional features of cardiovascular system, with focus on the anatomic description of the heart and major blood vessels. Students will acquire the basic knowledge required to recognize cardiac and vessels anatomy and understand the location, spatial relationships and function of its most important structures

Detailed program

1. Anatomical concepts related to heart development
2. The heart: basic concepts regarding cardiomyocytes, connective tissue, sinoatrial node, and the conduction tissue
3. Anatomical concepts related to heart chambers and pericardium
4. Anatomical concepts related to heart valves apparatus
5. Anatomical concepts related to systemic and pulmonary circulation anatomy

Prerequisites

Basic knowledge of fundamentals of biology, genetics, morphology, histology, physiology of the cardiovascular system

Teaching form

All lessons are held in attendance in delivery mode:

- 10 lessons of 2 hours carried out in attendance in delivery mode.

Textbook and teaching resource

HUMAN ANATOMY: A CLINICALLY ORIENTATED APPROACH
Edi Ermes

Semester

First semester

Assessment method

Integrated Written exam: multiple-choice questions
CASE ANALYSIS (Description of a clinical case of which the interconnections between the different elements/variables are analyzed in the light of one or more theoretical paradigms)

Office hours

On appointment by email.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | PARTNERSHIPS FOR THE GOALS