UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Anatomy of The Locomotor System

2324-3-H4102D018-H4102D050M

Aims

The objectives of the course are to provide expertise in normal anatomy of musculo skeletal system.
Teachnig will include reference to topographic, radiologic, clinical anatomy and clinical cases.

Contents

The primary goal of the course is to provide a good knowledge of MSK anatomy for a correct assessment of the traumatic and degenerative pathologies affecting the MSK system.

Detailed program

GENERAL ANATOMY

The different approaches to the study of human anatomy: gross anatomy; topographic, regional, radiological, clinical anatomy.

Anatomical terminology: planes, axes, lines and anatomical landmarks; terms of position, terms related to movements.

UPPER AND LOWER LIMBS

Detailed knowledge of all the bones, joints and muscles.

Relation to blood vessels, nerves

MUSCULAR-SKELETAL SYSTEM (LOCOMOTOR)

Classification of bones, muscles and joints, their general structure and function.

Vertebral column. General characteristics of the vertebrae and regional differences. Atypical cervical vertebrae: atlas and axis. Atlanto-occipital and atlanto-axial joints. Other joints of the vertebral column. General features of the muscles of the back.

Shoulder girdle and upper limb. Anatomical characteristics of the different bones. Shoulder, elbow, radio-ulnar, wrist joints, general features of the other joints. Muscles of the shoulder, the rotator cuff; arm, forearm and hand muscles.

Pelvis and lower limb. Morphological feature of hip bones in detail, and of the other bones of the lower limb. Joints and ligaments of the pelvis, hip, knee; tibio-fibular, ankle and tarsal joints; general features of the other joints. Hip, thigh, leg and foot muscles. Scarpa’s triangle and adductor canal. Femoral sheath and femoral canal.

Prerequisites

College-level scientific knowledge

Teaching form

Frontal lessons, clinical case simulations. Video of MSK dissections, MSK imaging of clinical relevance.

Textbook and teaching resource

For textbooks and teaching resources see General Syllabus of "Fondamentals of human morphology".

Semester

from 2.10.2023 to 9.10.2023

Assessment method

Multiple choice tests
Final locomotor vertical track test:
A written test with 33 multiple-choice containing anatomical questions each with only one correct answer and 1 open question. No
penalties will be given to missing or wrong answers.

Office hours

Mon-Fri, by appointment at San gerardo Hospital, Monza.

Sustainable Development Goals

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