UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Human Anatomy, Histology and Embriology of Stomatognatico Apparatus

2425-1-H4601D082

Aims

The student must have a general understanding of cell and tissue structure and knowledge of the systems that constitute the human organism, including the microscopic anatomy of the organs.
The student must know the physiological anatomical-functional relationships of the cranio-cervicomandibular complex to learn to identify the dysmorphic and/or dysfunctional patterns that determine the onset of malocclusion or painful-dysfunctional pathologies of the stomatognathic apparatus and of the system postural thanks to the analysis of gnathic-postural correlations.

Contents

The course aims to provide the student with the theoretical knowledge to learn organization macroscopic and microscopic view of the organs that make up the different systems of the human body, as well as the mechanisms and modifications through which this organization is achieved during embryonic development.
Furthermore, the course aims to provide the student with knowledge relating to descriptive and functional anatomy of the cranio-cervical-mandibular complex, in order to be able to evaluate the dysfunctional aspects and the related ones clinical consequences that recognize their moment in the altered functionality of this system etiopathogenic.

Detailed program

See each module

Prerequisites

College-level scientific knowledge

Teaching form

See each module for detailed description

Textbook and teaching resource

Citology/Histology:
-Ross M.H. e Pawlina W. Istologia Testo e atlante. Casa Editrice Ambrosiana
-Di Primio et al., Istologia Umana, Casa Editrice Idelson-Gnocchi
-S. Adamo et al. Istologia di Monesi. Piccin. V

Histology and Embriology of Tooth:
-Ten Cate. Istologia Orale. Piccin

Embriology:
-Bertini et al., Embriologia umana. Casa Editrice Idelson-Gnocchi
-Moore, Perseaud, Torchia. Embriologia. L'essenziale. Piccin
-De Felici et al., Embriologia Umana, Piccin

Microscopic anatomy:
Wheather. Istologia e anatomia microscopica. Ed. Masson
Mescher AL. Junqueira, istologia di base: Testo e atlante. Piccin
Ross M.H, Pawlina W. Atlante di Anatomia microscopica. Casa editrice ambrosiana
Ovalle W.K, Nahimey P.C. Anatomia microscopica del Netter. CIC Edizioni Internazionali
Rezzani R, Rodella LF. Anatomia microscopica e diagnosi differenziale d'organo. EdiSES

Anatomy:
G. Barbatelli e altri autori. Anatomia Umana. Fondamenti. Con istituzioni di istologia. Edi-Ermes
G. Anastasi e altri autori. Trattato di Anatomia Umana (3 volumi). Edi-Ermes (ed)
“Prometheus” testo-atlante di Anatomia, II edizione, 3volumi
Standring S.. Anatomia del Gray – Le basi anatomiche per la pratica clinica – EDRA
Ellis H, Mahadevan V. Anatomia Clinica - Edizione italiana a cura di F. Cappello - Idelson-Gnocchi

Stomathognathic anatomy:
Lloyd E. Dubrul, Anatomia Orale di Sicher - Edi-Ermes
Fonzi L, Anatomia Funzionale e clinica dello splancnocranio - Edi-Ermes
Baker EW, Anatomia della Testa e del Collo per Odontoiatri - EDIses

Atlas:
Netter. Atlante di anatomia umana, Frank H. Netter, Editore: Edra
Anatomia umana. Atlante. Curatori: G. Anastasi, C. Tacchetti, Editore: Edi. Ermes

Semester

1st + 2nd terms

Assessment method

An extensive mid-course assessment is scheduled for the end of the first semester, by a multiple-choice quiz focused on Citology, Histology, and Gross Anatomy (without Central and Peripheral Nervous system).
The exam will have 30 multiple choice questions. Each correct answer is worth 1 point, each wrong answer or no date is worth 0 points, except for the question on the dental histology, for which wrong answer or no date worth -1 point. The test is overcome with a minimum score of 18/30, which gives access to the assessment of the knowledge of microscopic anatomy, by the identification of a histological slide, with a score ranging from -2 to +2 points.
At the end of the course, a written examination with 4 open questions (8 points/each) will be present. Open questions will be about Head Anatomy, Peripheral Nervous System (3 questions) and Central Nervous System (1 question).
The final mark will be determined by the mean between 1st and 2nd term examinations.

Office hours

Mon-Fri, by appointment by mail

Sustainable Development Goals

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