UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Special Anatomy of The Stomatognathic System

2223-1-H4601D002-H4601D005M

Aims

Specific knowledge of the anatomical features of the stomatognathic apparatus

Contents

Basic normal features will be provided in order to allow proper interpretation of the pathophysiology of pathological changes

Detailed program

Osteology: detailed knowledge of all components of the skull bones, the hyoid bone and the seven cervical vertebrae (atlas and axis in particular). The cavities of the skull: anterior, middle and posterior cranial fossae, temporal, infratemporal and pterygo-palatine fossae, nasal cavity and paranasal sinuses, oral cavity. The development of the cranium.

Arthrology: cranial sutures, the temporo-mandibular joint (function and dysfunction), the cranio-mandibular relationships. The atlanto-occipital joint, atlanto-axial joint and intervertebral cervical joints.

Myology: the masticatory muscles (mandibular elevators, suprahyoid muscles, infrahyoid muscles), mimic and epicranial muscles. Anterior, lateral and posterior cervical muscles (large and small complex).

Splanchnology: oral cavity, tongue, oral mucosa, teeth. The oro-pharynx and its muscles (pharynx, larynx). The functions of the oral cavity.

Angiology: in detail the arterial and venous cranio-facial systems (intra and extra-cranial). The lymphatic system. The nerves: detailed knowledge of the course and functions of the twelve cranial nerves, with particular attention to trigeminal, facial, glossopharyngeal and hypoglossal nerve. The cervical and brachial plexi. The ortho- and parasympathetic innervation of the head. Palpation of the cranial and cervical structures.

Structure and relationships of the upper and lower alveolar processes. Anatomical basis of local anesthesia. Propagation of dental infections. Topographical anatomy: introduction, head surface regions of the cranium, brain meninges, pituitary loggia and Meckel's cave; regions of the face. Visceral spaces of the neck.

Prerequisites

College level scientific knowledge

Teaching form

Frontal lessons and practical experiences. During the Covid-19 emergency, lessons will be provided in a blended way.

Textbook and teaching resource

Lloyd E. Dubrul, ANATOMIA ORALE DI SICHER, Edi-Ermes

Brizzi E. et al., ANATOMIA TOPOGRAFICA. GENERALITA' – TESTA - COLLO, Edi-Ermes

Tillman B, Atlante di Anatomia Odontoiatrica e Medicina, RC Libri

Semester

1st + 2nd terms

Assessment method

At the end of the course, the assessment will be based on an oral examination focused on Head Anatomy.

During the Covid-19 emergency oral exams will be performed only online, using Esamionline platform for the written examination and the WebEx platform (with a public link on E-learning) for the oral one.

Office hours

Mon-Fri by appointment

Sustainable Development Goals

QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES