UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Anatomia Speciale dell'Apparato Stomatognatico

1819-1-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

Lessons, seminars, laboratory practice

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

part of the ANATOMIA, ISTOLOGIA ED EMBRIOLOGIA GENERALI E DELL'APPARATO STOMATOGNATICO exam

Office hours

Mon-Fri by appointment