



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Human Anatomy and Stomatognathic System II

2324-1-H4601D002-H4601D007M

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#### Aims

Knowledge of the general anatomy and basic of the anatomy of the stomatognathic apparatus

#### Contents

Knowledge of the general features of the normal anatomy necessary to understand the basis of pathological changes

#### Detailed program

##### NERVOUS SYSTEM

General morphologic and functional organization.

Synapses, neurotransmitters and anatomical basis of the reflex arch.

Central nervous system

Basic concepts on nervous system development.

Position, relations, gross morphology, major features concerning microscopic organization and main functions of the following structures:

spinal cord; brain stem (medulla, pons, midbrain), cerebellum, diencephalon, telencephalon.

The limbic system : position, gross morphology and main functions of hippocampal formation, amygdala, septal

nuclei, ventral striatum. Basic knowledge of limbic pathways.

Ventricular system: cerebral ventricles, their location and relationships, communication with subarachnoid space. Cerebrospinal fluid (CSF): composition, circulation and functions.

Meninges: architecture and functions.

Basic knowledge of the main sensory and motor pathways: spinal and medial lemniscal tracts ; spinocerebellar tracts; descending motor systems; cerebellar and basal ganglia motor control; olfactory, gustatory, visual, auditory and vestibular systems

Peripheral nervous system

Cranial nerves, spinal nerves (plexuses) and their territory of innervation.

Autonomic nervous system

General architecture and organization of the sympathetic and parasympathetic division and their functions. Innervation of organs.

## **Prerequisites**

College level scientific knowledge

## **Teaching form**

Frontal lessons. Interactive lessons with learning assessment. Virtual dissection by using the 3D Anatomage Table.

## **Textbook and teaching resource**

See the "Anatomia, Istologia ed Embriologia Generali e dell'Apparato Stomatognatico" syllabus

## **Semester**

1st and 2nd terms

## **Assessment method**

For final assessment see "Anatomia, Istologia ed Embriologia Generali e dell'Apparato Stomatognatico" syllabus.

## **Office hours**

Mon-Fri by appointment

## **Sustainable Development Goals**

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

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