

## SYLLABUS DEL CORSO

### Anatomia Funzionale Apparato Stomatognatico

2324-2-H4601D037

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#### Aims

The objective of the course is to describe the cranio-cervical anatomy and the stomatognathic apparatus by analysing in detail the importance of the various elements in the performance of stomatognathic functions, i.e. in swallowing, chewing, phonation and to a secondary extent in breathing. The functional component in the morphogenesis of the splanchnocranium is also described, and finally, the importance of the stomatognathic apparatus within the postural system is defined.

#### Contents

Analysis of the functions of stomatognathic apparatus analyzing the muscular, articular and teeth's morphology. This allows to create a relationship between anatomical shape and functionality of the system

#### Detailed program

Analysis of the movement of the mandible, hyoid bone and cervical spine during mandibular movements, swallowing, chewing and phonation:

- Muscle activation
- Movement of the osseous components of the TMJ (condyle)
- Relationship between dental morphology and functions
- Morphogenetic function of the oro-glossopharyngeal complex on the development of the splanchnocranium  
Analysis of endogenous neurocranial forces in the development of the splanchnocranium and in morphogenesis of the dental occlusion.  
Definition of body posture and static and dynamic body balance. Description of the anatomo-functional

relationships underlying the correlations between dental occlusion and body posture.

## **Prerequisites**

Human anatomy

## **Teaching form**

Lecture

## **Textbook and teaching resource**

I.A. Kapandji  
Physiology of the joints  
Churchill Livingstone

I.A. Kapandji  
Anatomia funzionale. Testa e collo.  
Maloine - Monduzzi Editoriale

L. Fonzi  
Anatomia funzionale e clinica dello splancnocranio  
Edi.Ermes

M. Legal - J.F. Lauret  
Occlusione e funzione  
Masson

L. Busquet  
Le catene muscolari  
Marrapese editore - Roma

## **Semester**

Second semester of the 1?? year

## **Assessment method**

active participation to the activities

## **Office hours**

By appointment after phone or mailing contacts

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | PARTNERSHIPS FOR THE GOALS

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