



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Elements of Periodontology

2425-3-I0301D033-I0301D052M

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#### Aims

The aim of the course is to develop the knowledge of non-surgical and surgical periodontal therapies in order to develop in the student a critical impulse on the different conditions of the patients that may be presented to him during the future clinical activity in order to subsequently be able to pursue the best therapeutic path.

#### Contents

the course will present a careful evaluation of the best literature present, an exposition of all the techniques known to date with the evaluation of the pros and cons and the knowledge of all the available materials.

#### Detailed program

How to evaluate the best scientific evidence (EBD)  
The therapeutic choice  
The new classification of periodontal disease: what has changed and why (focus on smoking and diabetes)  
Non-surgical therapy (therapeutic advantages and limitations)  
Periodontal surgical therapy: biological basis and periodontal anatomy  
The use of stem cells in periodontology  
Regenerative therapy: definition and biological basis  
Surgical techniques: biomaterials, membranes  
Anatomy of the interdental papilla  
Periodontal flaps from the 19th century to today  
Growth factors in periodontology  
Mucogingival surgery: techniques and bilaminar prelovo from the palate

Periodontal disease and systemic diseases (cardiovascular disease, diabetes, obesity, premature birth)  
Perimplantite

## **Prerequisites**

Knowledge of periodontal microbiology, anatomy and classifications of intrabony defects, recessions and furcation lesions (second year periodontology)

## **Teaching form**

Frontal lessons

## **Textbook and teaching resource**

PDF of the PPT of the lessons

Recommended textbooks:

Clinical periodontology and oral implantology - Lindhe - EdErmes

Soft tissue regeneration in implantology - Leonida - EdErmes

Stem cells and gene therapy for dentists - Leonida - Ed Martina

## **Semester**

I semester

## **Assessment method**

oral exam

## **Office hours**

Before or after class by appointment via email

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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