UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Prosthetic Dentistry II

2425-4-H4601D021-H4601D056M

Aims

Provide the student with knowledge regarding the rehabilitation of the oral cavity in normal, disabled and cancer patients. Knowledge of the different techniques for creating prosthetic products with new technologies used in the dentistry and dental technician fields, with new CAD CAM technologies, with new support technologies for the evaluation of occlusion, muscle and postural. Examine the main prosthetic materials. Furthermore, provide the basis for the economic evaluation of production processes.

Contents

Knowledge of craniofacial and dental anatomy with particular attention to the anatomical, aesthetic and phonetic aspects.

In-depth study of the main physical, biological and mechanical properties of the materials commonly used in Prosthetic Dentistry and their correlation with the different types of prosthetic products.

Analysis of the different types of prosthetic products.

Principles of traditional construction and with new digital technologies of prosthetic products.

Traditional and digital technique in the design and creation of prosthetic products with indication of the different types of material and the main economic measures of the company and production processes

Detailed program

The treatment plan in simple and complex cases
Indications and biomechanics of preparations

- Horizontal and vertical preparations: shoulder, chamfer, knife blade
- The prosthetic margin and conditioning of the gingival sulcus
- Finishing the preparations
  The provisionals
- The provisional preliminary filing
- Different techniques for relining provisionals with acrylic or composite resin
- The second provisional
  The definitive traditional and digital impression
- Tissue management
- Single strand and double strand technique
- Impression materials
- The choice of standard and individual impression tray
- The implant impression
  The laboratory steps for the creation of the substructure
- Planning, design and precision
- Fusion, Cad-Cam, Laser Sintering
- Metal alloy and zirconium oxide
  Substructure and biscuit test
- Marginal adaptation
- Aesthetic and phonetic tests
  The laboratory steps
- Choice of colour, layering of the ceramic, conditioning of the gingival tissues and finalisation
  Cementation in fixed prosthesis
- Conventional cements and resinous cements
- Clinical indications and applications

Prerequisites

Have passed the subjects of previous years
Admission 4th year of the course

Teaching form

Lessons: in-person delivery method.
Within the single lesson, didactic and interactive teaching will be carried out
Laboratory activities in real or simulated cases in interactive mode in person

Textbook and teaching resource

Title: THE PARTIAL REMOVABLE PROSTHESIS. From theory to practice
Authors: A.borracchini, N. Di Lullo, A. Dolci, A. Marino, S. Proietti
Publisher: Edizioni Martina Bologna, 2002

Title: THE SKELETONIZED PROSTHESIS. THE FRAMEWORK WITH LAMELLA RETENTIONS. Planning - Drawing - Construction - Clinic
Authors: G. Ceraulo, S. Ceraulo
Publisher: Wilde spa Palermo, 2014

Title: Aesthetic rehabilitation in fixed prosthetics
Author: Fradeani Mauro - Barducci Giancarlo
Publisher: Quintessence

Title: Aesthetics and precision. Clinical and laboratory procedures
Author: Massironi Domenico - Pascetta Romeo - Romeo Giuseppe
Publisher: Quintessence

Total prosthesis. Gnathological aspects. Concepts and procedures
Vito Milano, Apollonia Desiate
Edi-ermes

Semester

Second semester

Assessment method

The exam will be oral and will focus on the topics covered in class
The knowledge and skills acquired will be evaluated, the discussion of clinical cases and planning for prosthetic rehabilitation
There are no ongoing tests

Office hours

Wednesday from 9.00 to 9.30

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING