

COURSE 2024-2025

INDIRECT ADHESIVE RESTORATIONS, INLAY, ONLAY AND OVERLAY. FROM DESIGN TO CEMENTATION



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Indirect Adhesive Restorations, Inlay, Onlay and Overlay. From Design to Cementation

Presentation of the course

In Dentistry today, minimally invasive restorations are on the rise. Continuous updates ensure that adhesive restorations are a strong point in conservative dentistry in daily practice.

Professionals are looking for a theoretical and practical workshop to learn how to fit inlays step by step

Department responsible

Restorative Dentistry Area
Faculty of Dentistry

Coordinators

Dr Marta Vallés
Dr Anaïs Ramírez

Academic Board

Dra. Marta Vallés, Dra. Anaïs Ramírez

Course objectives

The purpose of this course is to teach students the practical and theoretical skills to restore teeth that have experienced loss of dental structure through the use of indirect adhesive restorations. Throughout the course we will teach students the criteria to choose the different indirect restorations, how to design them correctly, as well as the different forms of provisionalisation and cementation that can be used.

Throughout the course students will learn the following concepts:

- Biomechanics and tooth characteristics.
- Concepts of adhesion.
- Capped teeth Inlays and crowns. Minimally invasive restorations.
- Reconstruction material.
- Design of the various inlays
- Concept of "Immediate Dentin Sealing".
- Build up.
- Provision restorations.
- Taking impressions.
- Material for the cementation of indirect restorations.
- Techniques for undertaking indirect restorations.
- Cementation techniques.

Competences to be acquired by students

So they can undertake the following actions.

- Correctly isolate teeth.
- Undertake a correct build-up and immediate dentine sealing.
- Know how to undertake a design for an inlay correctly.
- Know how to undertake a design for an onlay correctly.
- Know how to undertake a design for an overlay correctly.
- Know the different types of materials.
- Know and be able to implement two different inlay cementation techniques.

Course Programme

The course will predominantly be practical. Each practical session will be preceded by a theoretical session, based on the literature, which will describe the forthcoming practical session.

ALL DAY FRIDAY

Design and cut of inlays

- Explanation of the different types of inlays, their design and indications.
- Cutting inlays, onlays and overlays in large plaster models, in order to learn how to design them correctly.
- Undertaking diagnosis of the type of inlay necessary for different lesions, on a typodont.
- Undertaking correct isolation and explanation of the concept: "Sealing dentine immediately".
- Building up, or resetting the edges and cutting the inlays of the different teeth to be treated,
- Explanation of the different types of material in order to create an inlay and discussion of the material necessary for each treatment.

SATURDAY MORNING

Provisionalisation and cementation of inlays

- Different types of impression-making
- Provisionalisation of indirect restorations.
- Techniques for undertaking indirect restorations.
- Cementation of the inlays with dual cementation.
- Cementation of the inlays with photopolymerised cementation and ultrasounds.
- Adhesive systems: Adhesion and cementation for indirect restorations.

Datos básicos

Basic information

Target

This course is intended for general dentists and stomatologists.

Date

5 April 4 and 5 2025

Time

Friday, 10.00 a.m. to 7.00 p.m.
Saturday, 9.00 a.m. to 2.00 p.m.

Accreditation

1,5 ECTS

Price

€645

Numbers of places

Places in this course are limited.
Places will be assigned strictly by order of registration

Location

Universitat Internacional de Catalunya
Campus Sant Cugat
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(Hospital Universitari General de Catalunya)
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In the University website <https://www.uic.es/en/faculty-dentistry> you will find more information