UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Laboratory of Optics of Contactology

2122-2-E3002Q037

Aims

Make students able to choose, fit and manage soft and rigid gas-permeable contact lenses (rgp)

Contents

Soft contact lenses
Rgp contact lenses

Detailed program

Soft contact lenses:
Keratometer; Topographer; Slit lamp: direct lighting techniques; Soft contact lenses fitting; Soft contact lenses control; Topography; Materials and geometries for soft contact lenses; Tear film tests; After fitting controls and gradind scales; Soft toric lenses; Over-refraction; Selection criteria for soft contact lenses; Soft contat lenses case report presentation.
Rgp contact lenses:
Slit lamp: indirect lighting techniques; Rgp lenses fitting; Evaluation of the fluorescein pattern; Materials and geometries for rgp lenses; Maintenance of contact lenss; Toric rgp lenses; Multifocal contact lenses; Scleral lenses, hybrid lenses and special cases; Orthokeratology; Rgp case report presentation.

Prerequisites

Use of the keratometer, geometric optics notions

Teaching form

Frontal lessons in preparation for the laboratory experiences that will take place in the laboratories in U9-B. Guys will be divided into groups of 4/5 people per box

Textbook and teaching resource

Slides and course presentations provided via e-learning.
Book: Edward S. Bennett - Clinical Manual of Contact Lenses

Semester

First semester: soft contact lenses
Second semester: rgp contact lenses

Assessment method

Three tests during the year: two of them are written tests and one of them is a theoretical/practical test in laboratory.
At the end of the course there is a final theoretical/practical test in laboratory
The exam can be taken in English

Office hours

By appointment, half an hour before the beginning of the lessons