



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Malattie Apparato Visivo

2223-5-H4101D330-H4101D216M

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#### Aims

teaching the diseases of the whole visual system

teaching the differential diagnosis among specific clinical entities which tend to be manifest with similar signs or symptoms

teaching the clinical management of the principal diseases of the visual system, particularly those which may be seen in the emergency room

teaching the student to be able to suspect the presence of ocular diseases which deem to be referred to the specialist both urgently and not-urgently

teaching the different surgeries for different diseases of the eye

#### Contents

anatomy

physiology

semiotics

ametropies

irritative diseases, the so called "red eye"

diseases which are characterized by a chronic visual function decrease

diseases which are characterized by a sudden visual function decrease

systemic diseases and the eye

tumors

pediatric ophthalmology

## **Detailed program**

anatomy

orbit

adnexa

eye ball

visual pathways

physiology

vision

passive and active protection of the eye ball

corneal transparency

ocular hydrodynamics

pupillary reflexes

accommodation

semiotics

evaluation of the eye ball and adnexa

assessment of visual acuity

assessment of visual field

assessment of ocular motility

tonometry

imaging of the retina (OCT)

ultrasonography

electrophysiology

Ametropies

myopia

hyperopia

astigmatism

presbyopia

their correction

irritative diseases, the so called "red eye"

blepharites

conjunctivities

keratitis

dry eye

dacriocystitis

iridocyclitis

angle closure glaucoma (acute attack of glaucoma)

lid affections

diseases which are characterized by a chronic visual function decrease

cataract  
open angle glaucoma  
atrophic age related macular degeneration

diseases which are characterized by a sudden visual function decrease

hemovitreal  
central or branch retinal artery occlusion  
central or branch retinal vein occlusion  
exudative age related macular degeneration  
papillitis  
anterior ischemic optic neuritis  
retrobulbar optic neuritis  
rhegmatogenous retinal detachment

systemic disease and the eye

diabetes  
hypertension  
neuroophthalmologic diseases  
endocrine diseases (basedow proptosis)

tumors

of the orbit  
uveal (melanoma)

pediatric ophthalmology

strabismus  
amblyopia  
congenital cataract  
congenital glaucoma  
retinopathy of prematurity

## **Prerequisites**

## **Teaching form**

lessons

internship

## **Textbook and teaching resource**

textbook: Le malattie dell'apparato visivo. Miglior S, Avitabile T, Bonini S, Campos E, Mastropasqua L. Edises Editore

## **Semester**

first semester of the V° year

### **Assessment method**

oral examination about the program of the lessons

### **Office hours**

call 335-6256762

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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