



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Oculistic

2223-5-H4101D330-H4101D216M

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
hemovitreous
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
ambliopia
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
