



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Ocular Diseases

2425-5-H4102D036-H4102D153M

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#### Aims

achievement of a good knowledge visual system and systemic diseases that can have ocular manifestations

#### Contents

Anatomy and physiology of the visual system, red eye, diseases that cause acute vision loss, diseases that cause chronic vision loss, systemic diseases involving the eye, pediatric pathologies, strabismus and amblyopia, refractive defects

#### Detailed program

Recall of the main topics of ocular anatomy and physiology and of the visual system, red eye as a manifestation of inflammatory pathologies of the anterior segment, red eye as a manifestation of other pathologies, main pathologies that can cause a sudden vision loss (acute glaucoma, retinal detachment, age related macular degeneration, retinal vascular pathologies, ischemic optic neuropathy, other optic nerve pathologies, intraocular hemorrhages), main pathologies that cause chronic reduction of vision (age related macular degeneration, chronic glaucoma, cataract), systemic pathologies with ocular involvement (diabetic retinopathy, hypertensive retinopathy, optic nerve disease, Horton's arteritis), strabismus, amblyopia, pediatric semiology, main causes of leukocoria, myopia, hyperopia, astigmatism, presbyopia

#### Prerequisites

knowledge of ocular anatomy and physiology, pharmacology and general pathology

### **Teaching form**

frontal lessons

### **Textbook and teaching resource**

Slides shown during lessons, textbook

### **Semester**

second semester of the fifth year of the degree course

### **Assessment method**

Written and oral exam

### **Office hours**

by appointment

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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