

## RESIDENCY IN OPHTHALMOLOGY

INSTITUTO DE LA VISIÓN – HOSPITAL LA CARLOTA (VISION INSTITUTE, HOSPITAL LA CARLOTA)

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### CURRICULUM

The Ophthalmology resident develops his academic and administrative activities within the same work schedule.

Similarly, the residents perform a clinical practice three times a week apart from their regular working hours (shifts). Regular activities are supervised by their appointed course professors, adhering to the following hierarchy levels:

- A. Assistant (first year)
- B. Assistant and partial practitioner (second year)
- C. Total practitioner (third year)

The academic structure of the specialty is divided into three main areas:

- A. Clinical and Scientific (550 hours)
- B. Teaching and Research (50 hours)
- C. Leadership and Administration (50 hours)

The curriculum for the three-year program is distributed as follows:

#### First Year of the Specialty

##### Clinical and Scientific Area

- OFCC610 Ophthalmological Propaedeutic
- OFCC615 Foundations of Ophthalmology (60 hours)
- OFCC620 Optics, Refraction and Contact Lenses (40 hours)
- OFCC625 Neuro-Ophthalmology (40 hours)
- OFCC630 Systematic Alterations with Ocular Manifestation (40 hours)

##### Teaching and Research Area

- OFE1610 Bibliographic Research (10 hours)
- SPE1635 Design of Research Protocols (10 hours)

##### Leadership and Administration Area

- OFLA610 Administrative Leadership (10 hours)
- OFLA615 Professional Ethics (10 hours)

#### Second Year of the Specialty

##### Clinical Scientific Area

- OFCC635 Pathology of the Crystalline (40 hours)
- OFCC640 Pathology of the Cornea and External Diseases (40 hours)
- OFCC645 Glaucoma (40 hours)
- OFCC650 Pathology of the Retina and the Vitreous (40 hours)
- OFCC655 Uveitis (40 hours)

##### Teaching and Research Area

- OFE1620 Didactics (10 hours)
- OFE1625 Drafting of Research Protocols (10 hours)

**Administrative Area**

OFLA620 Ophthalmologist Foundation in the Institutional Care Approach (10 hours)

**Third Year of the Specialty****Clinical Scientific Area**

OFCC660 Pediatric Ophthalmology and Strabismus (40 hours)

OFCC665 Ocular Plastic Surgery (40 hours)

OFCC670 Pathology of the Lacrimal Duct (40 hours)

OFCC675 Pathology of Orbit (40 hours)

**Teaching and Research Area**

OFE1630 Medical Research (10 hours)

**Leadership and Administration Area**

OFE1625 Profile of Health Care (10 hours)

OFLA630 Human Resources (10 hours)

**DESCRIPTION OF SUBJECTS****OFCC610 Ophthalmological Propaedeutic (10 hours)**

Set of knowledge and skills in medical and physical examination, aimed at diseases of the visual system.

**OFCC615 Fundamentals of Ophthalmology (60 hours)**

Description of the morphological and functional characteristics of the visual system. Possible refractive related alterations of the same treatment by optical means.

**OFCC620 Optics, Refraction and Contact Lenses (40 hours)**

Study of optical physics applies to the visual system. Diagnostic methods of refractive disorders and management of optical treatment.

**OFCC625 Neuro-Ophthalmology (40 hours)**

Study of the ailments related to the visual pathway and its ophthalmic and systemic repercussions. Special diagnostic techniques (visual fields campimetry, visual evoked potentials).

**OFCC630 Systemic Alterations with Ocular Manifestation (40 hours)**

Systemic pathologies with symptomatology in the vital organ.

**OFCC635 Crystalline Pathology (40 hours)**

Study of the pathological alterations of the crystalline lens. Diagnostic and treatment techniques.

**OFCC640 Pathology of the Cornea and External Diseases (40 hours)**

The distinction of eye diseases related to increased intraocular pressure due to alterations in the dynamics of intraocular fluids.

**OFCC650 Pathology of the Retina and the Vitreous (40 hours)**

Study of diseases related to the posterior segment of the eyeball. Therapeutic and diagnostic techniques.

**OFCC655 Uveitis (40 hours)**

Study of the inflammatory processes of the uveal tissue (choroid, ciliary body, and iris)

**OFCC660 Pediatric Ophthalmology and Strabismus (40 hours)**

Recognition of ophthalmic diseases of childhood and knowledge of those related to the misalignment of conjugate gaze.

**OFCC665 Ocular Plastic Surgery (40 hours)**

Training and analysis in the conditions that affect the eyelid. Therapeutic techniques and special study techniques.

**OFCC670 Pathology of the Lacrimal Duct (40 hours)**

Knowledge of the pathologies involved in the drainage channels of the tear film. Training in therapeutic techniques.

**OFCC675 Pathology of the Orbit (40 hours)**

Training and study of the pathologies that compromise the orbital cavity. Training in therapeutic techniques

**OFE1610 Bibliographic Research (10 hours)**

Research of file and consultation techniques of national and international bibliographic systems as support for clinical work.

**OFE1615 Design of Research Protocols (10 hours)**

Application of research methods to the biomedical sciences. Analysis of reductive styles.

**OFE1620 Didactics (10 hours)**

Elements that make up the teaching-learning process. Presentation techniques and motivation methods to achieve meaningful learning.

**OFE1625 Drafting of Research Protocols (10 hours)**

Synthesis of the results of research in such a way that its conclusions are published professionally.

**OFE1630 Medical Research (10 hours)**

Medical research design. It includes the formulation of the problem and the hypotheses, development, and implementation of the methodology, and data analysis.

**OFLA610 Administrative Leadership (10 hours)**

Exploration of the functions of the administrative leader, including planning, motivation, and optimizing of resources.

**OFLA615 Professional Ethics (10 hours)**

Commitment and professional responsibilities. Analysis of medical cases involving ethical dilemmas.

**OFLA620 The Ophthalmologist in the Institutional Care Model (10 hours)**

Authority and responsibilities of the ophthalmologist in a medical institution. Concepts of organization in the institution.

**OFLA625 Health Care Profile (10 hours)**

Responsibilities of the ophthalmologists with their community and profession. Development of a personal philosophy of service.

**OFLA630 Human Resources (10 hours)**

Analysis of concepts such as human relationships, motivation, communication, and supervision, among others.