

ID	3421
Curricular Unit	Anatomy and physiology and Pathophysiology of Vision
Regent	Maria Leonor Frazão Moniz Pereira da Silva
Learning Outcomes	Study of morphological and functional aspects of the sense of sight in terms of their embryonic anatomical and histological development, physiology and integrated functionality neuraxial. Some associated disease.
Syllabus	<p>General aspects of the sense of sight</p> <p>1 Skull - constitution;Orbital cavity;Eyeball, Attachments</p> <p>General CNS-2 aspects:Brain stem, cranial nerves, brain and cerebellum, optic nerve- cortical areas of vision</p> <p>3 cell Constitution :Cellular organization, tissue; Histology of the eyeball, - Histology of the cerebral cortex</p> <p>4 Embryonic Development, General aspects;Development of the neural crest and SN C -Embryonic development of the eyeball- Organization of visual pathways</p> <p>5 Citofisiologia vision:- Enervation sensorimotor eyeball - Enervation motor and sensory eye muscles; - Independent Enervation globe of the eye and adnexa</p> <p>6 neuro-ophthalmologic evaluation;- Balance oculomotor;- Perimetry-evoked potentials</p> <p>7 changes associated with developing embryo: - in the eye; - Annexes - in cortical representations</p> <p>8 Errors of Refraction:. - By changing the axis of the globe, - mono or bilateral - Squints</p> <p>9 Specific pathology of the eye</p> <p>10 Systemic pathology affecting the eyeball</p>
Evaluation	Group work
Bibliography	<p>Main Bibliography:</p> <p>Hollwich Fritz. Ophthalmology (A Short Textbook) - Thieme</p> <p>Newell. Ophthalmology (Principles and Concepts) - Mosby</p> <p>Additional bibliography:</p> <p>Vaughan, D. Ophthalmology General Livingstone, Churchill. Parson's - Diseases of the Eye</p>