

<b>ID</b>	726
<b>Curricular Unit</b>	Anatomy and physiology and Pathophysiology of Vision
<b>Regent</b>	Maria Leonor Frazão Moniz Pereira da Silva
<b>Learning Outcomes</b>	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.
<b>Syllabus</b>	<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>
<b>Evaluation</b>	Group work
<b>Bibliography</b>	<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>