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| <b>ID</b>                | 3827   |
| <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>  |