

Modul designation	Special Sense System
Semester in which the module is taught	2nd Semester of Academic/Bachelor Stage
Person responsible for the module	<ol style="list-style-type: none"> 1. Ismawati, dr., M.Kes. 2. Listya Hanum Siswanti, dr., M.Kes. 3. Ratna Damailia, dr., M.Sc. 4. Annisa Rahmah Furqaani, S.Si., M.Biomed. 5. Cice Tresnasari, dr., SpKFR., M.Kes.
Language	Bilingual (Indonesia & English)
Relation to curriculum	Compulsory
Teaching methods	<ul style="list-style-type: none"> - Lecture - Tutorial - Laboratory activity
Workload	<p>Total workload : 3 weeks</p> <p>Contact hours : Lecture 2 hours/week</p> <p style="padding-left: 40px;">Tutorial 3 hours/meeting (3 meeting/week)</p> <p style="padding-left: 40px;">Laboratory activity 3 hours/meeting</p>
Credit points	4 ECTS (3 SKS)
Required & recommended prerequisites for joining the module	Learning course at first semester
Module Objective	<p>At the end of course, students will be able to:</p> <ol style="list-style-type: none"> 1. Explain the embryological process and development of the organs of the eyes, ears, and nasal cavity. (C2) 2. Describe the embryological process and development of the eyes, ears, and nasal cavity organs in relation to clinical cases (C4) 3. Determine the macrostructural features of the eyes, ears, nasal cavity, and sinuses (topography and vascularisation innervation) according to the rules of basic medical science. (C3) 4. Determine the microstructural features of the eyes, ears, nasal cavity, and sinuses in accordance with the rules of basic medical science. (C3) 5. Explain the functions of the eyes, ears, nasal cavity, and sinuses in general according to the rules of basic medical science. (C2)

	<ol style="list-style-type: none"> 6. Apply the physiological processes of vision, hearing, and smell to special sense organ disorders. (C3) 7. Determine the definition, epidemiology, etiology, and classification of eye, ear, and nose disorders (C3) 8. Analyze the pathogenesis, pathophysiology, and clinical manifestations of eye, ear, and nose disorders (C4) 9. Analyze the differential diagnosis, selection of supporting examinations, diagnosis, management, prognosis, and complications of eye, ear, and nose disorders (C4) 10. Analyze the selection of supporting radiodiagnostic examinations in cases of eye, ear, and nose disorders (C4) 11. Analyze the provision of topical treatment in cases of eye, ear, and nose disorders (C4) 12. Determine management and education for eye, ear, and nose cases based on Islamic values and humanities (C3)
Content	<p>The special sense system studies the normal structure of the special sense components, namely the eyes, ears, and nose, and their physiology as the vision, hearing, and olfactory systems. This module also discusses several pathophysiological mechanisms in the Special Sense system, especially those that are frequently encountered and must be known by general practitioners. The discussion of special sensory disorders includes definition, epidemiology, disease etiology, pathogenesis, pathophysiology, clinical manifestations, differential diagnosis, supporting examinations, diagnosis, principles of therapy, complications, prognosis, and aspects related to the prevention and rehabilitation of these disorders.</p>
Examination forms	Multidisciplinary Examination (MDE), SOOCA, Lab exam
Study and examination requirements	<p>System Pass Criteria :</p> <p>Minimum MDE, SOOCA and Lab exam score 55.5 (C)</p>
Reading list	<ol style="list-style-type: none"> 1. Guyton & Hall, Textbook of Human Physiology, 11th Edition 2. Boron WF, Boulpaep EL, Medical Physiology, 3rd Edition, Elsevier 3. Tortora. Principles of Anatomy and Physiology. 11th ed 4. Gray's Anatomy for Students 5. Junqueira's Basic Histology 6. Moore, K.L., Persaud, T.V.N, The Developing Human Clinically Oriented, 8th ed. 7. Sadler, T.W. Langman's Medical Embriology, 8th ed. 8. Katzung Basic and Clinical Pharmacology, Goodman & Gillman 9. Geo F Brooks, JS Butel, SA Morse. Jawetz, Melnick & Adelberg's Medical Microbiology, 23rd edition, Lange Medical Books/Mc-Graw-Hill 10. J. Kanski, Clinical Ophthalmology, Buuterworth-Heinemann. 11. Vaughan. General Ophthalmology. 18th ed 12. Adam, Boies, Hilger. Fundamentals of otolaryngology, A Textbook of Ear, Nose and Throat Diseases, 6th ed., WB

	Saunders Company, Philadelphia.
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