Course Title	**Skull Base Clinical Anatomy**				
Course Code	MD295				
Course Type	Elective				
Level	1st Cycle (MD)				
Year / Semester	2nd Year / 3rd Semester				
Teacher's Name	TBA				
ECTS	3	Lectures / week	1 hr / 14 weeks	Laboratories / week	0 hr / 14 weeks
Course Purpose and Objectives	Familiarize students with skull base anatomy, improve their clinical thinking and introduce them to the clinical courses of neurosurgery, ENT, maxillofacial and ophthalmology.				
Learning Outcomes	Upon successful completion of this course students should be able to: • Identify and describe the major features of the skull base that are identifiable on gross inspection and in coronal, axial and sagittal section • Identify the organization of the skull base foramina and their contents • Describe the functions of the pituitary gland, its anatomy, the most common pathologies and the treatment strategies • Identify the organization of the major blood vessels of the brain and describe the regulation of blood flow and the transit of nutrients to the brain, including the blood brain barrier • Identify and describe the anatomy of the sinus cavities • Understand the tools of study of the structure of the skull base, including Neuro-Navigation and Neuroimaging • Relate the anatomy of the skull base to clinical syndromes and diseases • Apply anatomical knowledge to interpret two-dimensional radiologic images, such as CT and MRI scans. • Practice and demonstrate skills in problem-solving and critical thinking by relating symptoms to underlying anatomy • Describe the different surgical approaches to the skull base. • Demonstrate an ability to effectively communicate with peers and present information related to the structure of the skull base (written and oral) clearly and concisely • Practice and demonstrate team skills, including respectful, responsible and professional participation • Take responsibility for his- or her-own medical education and accept responsibility for his/her own actions • Search efficiently for and obtain recent, high quality, relevant medical information and scientific literature to solve problems				

	• Practice and demonstrate the ability to read critically, evaluate and assess medical information and scientific literature • Practice and demonstrate effective contributions and constructive dialogue during reflection • Analyzing treatment strategies and explaining the relevant skull base anatomy during demonstration of intraoperative videos of skull base procedures.

Prerequisites	None	Co-requisites	None

Course Content	During this course, students should focus on the surgical anatomy of the skull base based on surgical cases. In addition, discussions should include the conditions treated and the main key points of the pathological entities that are encountered.
Teaching Methodology	Face-to-face
Bibliography	Photo Atlas of Skull Base dissection: Wanibuchi, Friedman, Fukushima; Thieme pub ISBN 9781588905215 Atlas of Anatomy: Schuenke, Schulte, Schumacher, MacPherson, Stefan; Thieme Pub ISBN 9781626231207 Atlas of Human Anatomy: F. Netter Elsevier Pub; ISBN 978-1455704187 Handbook of Skull Base Surgery: Di Leva, Lee, Cushimano; Thieme Pub ISBN 9781626230255
Assessment	Examinations: 70% Assignment/Lab 20% Class Participation: 10%
Language	English