

Medicine			
Bachelor	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course Introduction and Application Information

Course Code:	TIP0015		
Course Name:	Neurosurgery 3		
Semester:	Fall Spring		
Course Credits:	<div>ECTS</div> <div>5</div>		
Language of instruction:	Turkish		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Departmental Elective		
Course Level:	<div> <div>Bachelor</div> <div>TR-NQF-HE:7. Master`s Degree</div> <div>QF-EHEA:Second Cycle</div> <div>EQF-LLL:7. Master`s Degree</div> </div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Prof. Dr. HİKMET KOÇAK		
Course Lecturer(s):	Prof. Dr. Nurperi Gazioğlu Prof. Dr. Tufan Hiçdönmez Prof. Dr. Bora Gürer Assoc. Prof. Dr. Muhittin Emre Altunrende Assist. Prof. Dr. Hakan Kına		
Course Assistants:			

Course Objective and Content

Course Objectives:	To train physicians who can adopt and practice preventive and preventive medicine in the field of neurosurgery, who can diagnose common diseases and emergencies and regulate their treatment, and who know the surgical approach.
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Course Content:	It covers the symptoms and signs, diagnosis and treatment of diseases in adult patients, as well as the principles of surgical treatment, in order to cover the learning objectives specified in the Core Education Program in the fields of neurosurgery.
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Learning Outcomes

The students who have succeeded in this course;

- 1) Takes a detailed history and performs a physical examination.
- 2) Makes diagnosis, differential diagnosis, interprets laboratory tests.
- 3) Can discuss and write scientific articles specific to the field.
- 4) Can manage the phenomenon specific to the field in accordance with the principles of evidence-based medicine.
- 5) Apply the principles of rational drug use in the management of field-specific cases.

Course Flow Plan

Week	Subject	Related Preparation
1)	Bedside Training Operation Article Time	None
2)	Bedside Training Operation Article Time	None
3)	Bedside Training Operation Article Time	None
4)	Bedside Training Operation Article Time	None

Sources

Course Notes / Textbooks:	ders çıktıları-lecturer lesson
References:	ders çıktıları-lecturer lesson

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5
Program Outcomes					
1) When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.					
2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.					
3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.					

Course Learning Outcomes	1	2	3	4	5
4) knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.					
5) can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.					
6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.					
7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.					
8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.					
9) knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.					
10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.					
11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.					
12) knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.					
13) can collect health data, analyze them, present them in summary, and prepare forensic reports.					
14) knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.					
15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.					
16) knows health policies and is able to evaluate their effects in the field of					

application. Course Learning Outcomes	1	2	3	4	5
17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.					
18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.					

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.	
2)	knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.	
3)	is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	
4)	knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.	
5)	can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.	
6)	knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	
7)	can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	
8)	knows the clinical decision-making process, evidence-based medicine practices and current approaches.	

9)	knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.	
10)	knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.	
11)	is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.	
12)	knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.	
13)	can collect health data, analyze them, present them in summary, and prepare forensic reports.	
14)	knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.	
15)	knows employee health, environment and occupational safety issues and takes responsibility when necessary.	
16)	knows health policies and is able to evaluate their effects in the field of application.	
17)	keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	
18)	applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Attendance	1	% 20
Field Work	1	% 40
Special Course Internship (Work Placement)	1	% 40
total		% 100
PERCENTAGE OF SEMESTER WORK		% 100

PERCENTAGE OF FINAL WORK		%
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Workload
Course Hours	4	120
Total Workload		120