

Vocational School of Health Services / Electroneurophysiology

2023 - 2024 Academic Year

NEUROPHARMACOLOGY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
NEUROPHARMACOLOGY	EFZ1228900	Spring Semester	2+0	2	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Ayşe Arzu ŞAKUL				
Name of Lecturer(s)	Lect. Bade Cevriye BAHTİYAR				
Assistant(s)					
Aim	The aim of this course is to give general information about nervous system drugs and medications used during practice their profession to the students.				
Course Content	This course contains; Introduction to the central nervous system pharmacology. ,General and local anesthetics.,Sedative-hypnotic drugs.,Neuromuscular blocking drugs and centrally acting muscle relaxants.,Antipsychotics, antidepressants, and anticholinergic drugs.,6. Opioid analgesics and antiepileptics.,Central nervous system stimulants and alcohols.,Drugs used in the treatment of Parkinson's and Alzheimer's disease. ,Basic concepts of the autonomic neurotransmitters and its pharmacology.,Parasympathomimetics and cholinesterase-inhibiting drugs.,Parasympatholytics.,Symphatomimetics.,Symphatolytics.,Nicotine and other ganglion stimulating agents, and ganglion blocking agents..				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Explains the relationship between nervous system pharmacology and electroneurophysiology.			16, 6, 9	A	
Explains neuromediators and synaptic transmission.			6, 9	A	
Explains the effects of neuromediators on synapses.			16, 6, 9	A	
Explains the effects of central nervous system drugs on synapses.			16, 6, 9	A	
Explains the pharmacokinetic and pharmacodynamic features, adverse effects, and drug interactions of the central nervous system drugs.			16, 6, 9	A	
Explains the central nervous system drugs.			16, 6, 9	A	
Explains the pharmacokinetic and pharmacodynamic features, adverse effects, and drug interactions of the autonomic nervous system drugs.			16, 6, 9	A	
Explains the mechanism of action of the autonomic nervous system drugs.			16, 6, 9	A	
Explains the autonomic nervous system drugs.			16, 6, 9	A	
Teaching Methods	16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to the central nervous system pharmacology.	Preparation for the lecture notes previously issued.			
2	General and local anesthetics.	Preparation for the lecture notes previously issued.			
3	Sedative-hypnotic drugs.	Preparation for the lecture notes previously issued.			
4	Neuromuscular blocking drugs and centrally acting muscle relaxants.	Preparation for the lecture notes previously issued.			
5	Antipsychotics, antidepressants, and anticholinergic drugs.	Preparation for the lecture notes previously issued.			
6	6. Opioid analgesics and antiepileptics.	Preparation for the lecture notes previously issued.			
7	Central nervous system stimulants and alcohols.	Preparation for the lecture notes previously issued.			
8	Drugs used in the treatment of Parkinson's and Alzheimer's disease.	Preparation for the lecture notes previously issued.			
9	Basic concepts of the autonomic neurotransmitters and its pharmacology.	Preparation for the lecture notes previously issued.			
10	Parasympathomimetics and cholinesterase-inhibiting drugs.	Preparation for the lecture notes previously issued.			
11	Parasympatholytics.	Preparation for the lecture notes previously issued.			
12	Symphatomimetics.	Preparation for the lecture notes previously issued.			
13	Symphatolytics.	Preparation for the lecture notes previously issued.			
14	Nicotine and other ganglion stimulating agents, and ganglion blocking agents.	Preparation for the lecture notes previously issued.			
Evaluation Methods			Weight(%)		
Midterm Exam			40		
General Exam			60		

Resources
Pharmacology notes given to the students. Kayaalp, SO: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Ankara.