

Testi del Syllabus

Resp. Did.	FLORIO CHIARA	Matricola:	004090
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Anno offerta:	2015/2016		
Insegnamento:	779SM - NEUROANATOMIA E NEUROFARMACOLOGIA		
Corso di studio:	SM54 - NEUROSCIENZE		
Anno regolamento:	2015		
CFU:	7		
Settore:	BIO/16		
Tipo Attività:	B - Caratterizzante		
Anno corso:	1		
Periodo:	Annualità Singola		
Sede:	TRIESTE		



Testi in italiano

Lingua insegnamento	English
Contenuti (Dipl.Sup.)	Part one: principles Pharmacokinetic: mechanisms of membrane crossing - chemical transport - drug absorption, distribution, metabolism and excretion - bioavailability - pharmacokinetic models: one and two compartment, half-life Pharmacodynamic: dose-response curves: gradual and quantal curves - radioligand binding - competitive and non-competitive antagonism - allosteric modulators Part two: drugs of the central nervous system Antidepressant drugs - Antipsychotic drugs - Anticonvulsant agents - Anxiolytic drugs
Testi di riferimento	Siegel GJ Basic Neurochemistry seventh edition Elsevier - AP Nestler EJ, Hyman SE, Malenka RC Molecular Neuropharmacology second edition McGrawHill
Obiettivi formativi	to introduce the principles at the basis of the pharmacokinetic and pharmacodynamic properties of the drugs, especially of those acting at the central nervous system
Prerequisiti	none
Metodi didattici	frontal lectures

Altre informazioni	Computer-aided teaching material will be supplied
Modalità di verifica dell'apprendimento	Verification of learning will be done through ongoing tests and examinations. The ongoing trials will be held during the course and will consist in short written themes relating to the subject matter and is intended to highlight learning difficulties. The final examination will be oral
Programma esteso	Part one: principles Pharmacokinetic: mechanisms of membrane crossing - chemical transport - drug absorption, distribution, metabolism and excretion - bioavailability - pharmacokinetic models: one and two compartment, half-life Pharmacodynamic: dose-response curves: gradual and quantal curves - radioligand binding - competitive and non-competitive antagonism - allosteric modulators Part two: drugs of the central nervous system Antidepressant drugs - Antipsychotic drugs - Anticonvulsant agents - Anxiolytic drugs - Animal models for the study of psychiatric diseases



Testi in inglese

Lingua insegnamento	English
Contenuti (Dipl.Sup.)	Part one: principles Pharmacokinetic: mechanisms of membrane crossing - chemical transport - drug absorption, distribution, metabolism and excretion - bioavailability - pharmacokinetic models: one and two compartment, half-life Pharmacodynamic: dose-response curves: gradual and quantal curves - radioligand binding - competitive and non-competitive antagonism - allosteric modulators Part two: drugs of the central nervous system Antidepressant drugs - Antipsychotic drugs - Anticonvulsant agents - Anxiolytic drugs
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Programma esteso

Part one: principles

Pharmacokinetic: mechanisms of membrane crossing - chemical transport - drug absorption, distribution, metabolism and excretion - bioavailability - pharmacokinetic models: one and two compartment, half-life

Pharmacodynamic: dose-response curves: gradual and quantal curves - radioligand binding - competitive and non-competitive antagonism - allosteric modulators

Part two: drugs of the central nervous system

Antidepressant drugs - Antipsychotic drugs - Anticonvulsant agents - Anxiolytic drugs - Animal models for the study of psychiatric diseases