

NEUROPHARMACOLOGY

The course is composed of 3 parts

PART 1 (Prof. Chiara Florio): PHARMACOKINETIC (drug absorption, distribution, metabolism and excretion) and PHARMACODYNAMIC - THE AUTONOMIC NERVOUS SYSTEM

PART 2 (Prof. Chiara Florio): DRUGS OF THE CENTRAL NERVOUS SYSTEM (ENDOGENOUS OPIOIDS - ANTIDEPRESSANT DRUGS - ANTIPSYCHOTIC DRUGS - ANXIOLYTIC DRUGS - ANTI-EPILEPTIC DRUGS

PART 3 (Prof. Gabriele Stocco): PHARMACOGENOMICS

AIM of the course is to provide the basic notions for the comprehension of the pharmacokinetic and pharmacodynamics properties of drugs and of their mechanism of action, with particular reference to drugs acting at the central nervous system in order to allow the students to:

- 1) to discuss clearly and with appropriate scientific terms pharmacological concepts
- 2) continue to enlarge autonomously and critically their knowledges
- 3) use the knowledges acquired for a proper use of drugs in experimental set-ups
- 4) apply knowledges for a critical consideration of experimental results

Students are provided by the slides used during the frontal lessons thought **Moodle** (Access code: **779SM**)

Recommended text book:

Rang, Ritter, Flower, Henderson “Rang & Dale’s Pharmacology” Eighth Edition, Elsevier 2016

For further information, students are invited to contact dott. Florio by mail (florioc@units.it) using their institutional E-mail address

FINAL EXAMINATION

At the end of the course, students are required to take a final oral examination of 20-40 min consisting on three different topics covering the course program (1. Basic Pharmacology (pharmacokinetic and pharmacodynamics) or Autonomous nervous system, 2. Pharmacogenomics and 3. Drugs acting at the Central Nervous System)

The student should demonstrate to be able to link together different topics of the program and to communicate the acquired knowledges in a precise and efficacious manner. The mark/30 must be equal or higher than 18. The final mark/30 is the arithmetic mean of Neuroanatomy and Neuropharmacology