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## PHARMACOLOGY AND INTERNAL MEDICINE

4 CFU - 2° Semester

### Teaching Staff

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### LEARNING OBJECTIVES

#### ▪ Pharmacology

The aim of the course is to provide a specific knowledge of the mechanisms of action and side effects of different classes of drugs used in the treatment of neuropsychiatric disorders. The Psychiatric Rehabilitation Technician is called during his professional career to interact with the psychiatrist in the management of neuropsychiatric disorders. The knowledge of the different classes of psychotropic drugs is especially a key step for a better understanding of drug treatment and for a better management of patients with neuropsychiatric disorders

#### ▪ Internal Medicine

The main objectives of the course are as follows:

-To provide essential knowledge on the physiopathology of the acute and chronic diseases (e.g. chronic intestinal disease, autoimmune diseases, diabetes, pancreatitis) and to identify their relationship and inter-dependency.

-To apply these skills to the full spectrum of diseases in human.

-To develop the transferable skills on acute and chronic diseases (including physiopathology, oral

communication with patients, team work, decision making during diseases) between students and patients.

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## DETAILED COURSE CONTENT

### ▪ **Pharmacology**

Basic principles of General Pharmacology, Pharmacodynamics, Pharmacokinetics, Safety.

Basic Principles of Neuropsychopharmacology (antidepressant drugs, mood stabilizers, antipsychotic drugs, anxiolytic drugs), neurobiological basis and pharmacological treatment of neurodegenerative diseases, neurobiological basis and pharmacological treatment of the diverse forms of drug dependency, anti-inflammatory drugs, drugs used for pain management, basic notions of cardiovascular and kidney pharmacology.

### ▪ **Internal Medicine**

Diabete, pancreatiti acute pancreatiti croniche celiachia malattie acute renali malattie croniche renali malattie intestinali croniche (morbo di Crohn e rettocolite ulcerosa) - diabete mellito e inquadramento delle patologie su base autoimmune - distinzione tra malattie croniche e malattie acute in medicina interna; malattie croniche intestinali (morbo di Crohn e retto-colite ulcerosa) - celiachia e malattie da malassorbimento - insufficienza renale acuta e cronica - pancreatite acuta e cronica - cirrosi epatica

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## TEXTBOOK INFORMATION

### ▪ **Pharmacology**

1. Amico-Roxas, Caputi, Del Tacca, Compendio di Farmacologia generale e speciale, UTET
2. Julien RM, Advokat CD, Comaty JE. Droghe e farmaci psicoattivi: XII edizione 2012, Zanichelli

### ▪ **Internal Medicine**

Testo consigliato: RUGARLI MEDICINA INTERNA SISTEMATICA,

Rugarli C., Nuti R., Caligaris Cappio F., Cantalamessa L., Cappelli G., Cappellini M.D., CavalloPerin P., Corazza G. R., Craxì A., Crea F., Fabbri L., Ferraccioli G., Giustina A., Lazzarin A., Stella A.P.

Elsevier-Masson Editore

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