

68408 - Clinical and pharmacological-genetic biochemistry

Información del Plan Docente

Academic Year	2016/17
Academic center	104 - Facultad de Medicina
Degree	530 - Master's in Introduction to Medical Research
ECTS	5.0
Course	1
Period	Indeterminate
Subject Type	Optional
Module	---

1. Basic info

1.1. Recommendations to take this course

1.2. Activities and key dates for the course

2. Initiation

2.1. Learning outcomes that define the subject

2.2. Introduction

3. Context and competences

3.1. Goals

3.2. Context and meaning of the subject in the degree

3.3. Competences

3.4. Importance of learning outcomes

4. Evaluation

5. Activities and resources

5.1. General methodological presentation

The learning process that is designed for This course is based on the following: 1. lectures / seminars. 2. Case Reasoning and Problem Using PBL methodology . 3. Literature search . 4. Making work .

5.2. Learning activities

Lectures, seminars. Reasoning cases. In some of the classes methodology on Problem-based learning (PBL) Will be used. For information , in addition to the literature on paper , we will use instruments that can be connected to the Internet. students should bring computers, tablet , Smartfone, please Literature search. Performing work.

5.3. Program

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1. Pharmacogenetic bases that support Apply knowledge of pharmacogenetics to the clinic for the individualization of drug therapy, with subsequent application.
2. Differences in drug responses, whether therapeutic or toxic.
3. Apply knowledge of pharmacogenetics to the clinic for the individualization of drug therapy, with subsequent application.
4. Nutrition.
5. Concept of nutrient classification biochemical and functional nutrients.
6. Deficit in nutrient intake, nutritional effects, pharmacological effects and toxic Pathologies caused by nutrients and mineral micronutrients produced by excess deficits, intakes of toxic elements or genetic cause.

5.4.Planning and scheduling

Schedule sessions and presentation of works The subject will be taught in the second quarter on the following dates :
WEDNESDAY : 11, 18, ​​25 January- 1, 8, 15, 22 February- 1 March. The schedule and classroom will be determined by the Centre. (In previous years the schedule has been 16 to 20 hours).

5.5.Bibliography and recomended resources

- **Magnesio, el electrolito olvidado** / Marisol Soria Aznar y cols. Zaragoza: Prensas de la Universidad de Zaragoza, 2013.
- **Contribución actual de los elementos traza y minerales en medicina: su papel clínico** / Silvia Izquierdo Álvarez y cols. Zaragoza: Prensas de la Universidad de Zaragoza, 2013.