

29350 - Pharmacology for the Odontology Clinic

Información del Plan Docente

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| Academic Year | 2017/18 |
| Faculty / School | 229 - Facultad de Ciencias de la Salud y del Deporte |
| Degree | 442 - Degree in Odontology |
| ECTS | 6.0 |
| Year | |
| Semester | Half-yearly |
| Subject Type | Optional |
| Module | --- |

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The subject aims to be a correspondence between the theoretical sessions and the practice sessions, so that these practice sessions to reinforce and support the contents of the subject, to achieve meaningful learning of the student that you can use in the exercise of their future professional work in the field of odontology.

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The theoretical sessions will take place through interactive lecture, explanatory or demonstrative content sessions, using the blackboard and audiovisual material with computer support.

The practice sessions will be made by:

- Solving pharmacokinetic problems
- Problem-based learning. Resolution and discussion
- Assessment and resolution of clinic cases
- Course portfolio: collected reports relating to the control of the previous practice activities (individual work)

discussion of seminars taught by the teacher. Active participation of the student

- Assessment Vademecum
- Realization of a monographic review work, in small groups, on a suggested topic. Presentation and defense. During the realization of the same, corresponding teachers will have various interviews with the working groups for academic orientation and supervision.
- Discussion of seminars taught by the teacher. Active participation of the student

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials (<http://www.unizar.es/dvirtual.htm>)

5.2.Learning tasks

Subject: 6 ECTS

Lecture

Pratice Session:

- Solving pharmacokinetic problems
- Problem-based learning. Resolution and discussion
- Assessment and resolution of clinic cases

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- Realization of a monographic review work, in small groups, on a suggested topic. Presentation and defense. During the realization of the same, corresponding teachers will have various interviews with the working groups for academic orientation and supervisión.

-Discussion of seminars taught by the teacher. Active participation of the student

5.3.Syllabus

The course will address the following topics:

Theory sessions

GENERAL PRINCIPLES OF PHARMACOLOGY

Topic 1. Absorption, distribution, metabolism and excretion of drugs (ADME)

Topic 2: Pharmacodynamics: molecular mechanisms

CENTRAL NEUROPHARMACOLOGY

Topic 3: Drugs used for the treatment of anxiety and sleep disorders

Topic 4: Drugs used for the treatment of affective disorders

Topic 5: Drug treatment of movement disorders (Parkinson's Disease)

SECTION 3 : CARDIOVASCULAR PHARMACOLOGY

Topic 6: Anti-ischemic Drugs

Topic 7: Drugs used in the management of heart failure

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Topic 8: Antihypertensive drugs

VARIABILITY IN DRUG RESPONSE

Topic 9: Pharmacogenetics

Topic 10: Drugs in Pregnancy and Breastfeeding

Topic 11: Pharmacology in pediatrics

Topic 12: Geriatric pharmacology

EVALUATION OF THE EFFECTS OF DRUGS

Topic 13: New drug development. Clinical trial

Topic 14: Pharmacovigilance and Pharmacoepidemiology

Topic 15: Information sources drug

Practice Sessions

- Solving pharmacokinetic problems
- Problem-based learning. Resolution and discussion
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- Course portfolio: collected reports relating to the control of the previous practice activities (individual work)

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discussion of seminars taught by the teacher. Active participation of the student

- Assessment Vademecum

- Realization of a monographic review work, in small groups, on a suggested topic. Presentation and defense. During the realization of the same, corresponding teachers will have various interviews with the working groups for academic orientation and supervisión.

-Discussion of seminars taught by the teacher. Active participation of the student

5.4.Course planning and calendar

Calendar of sessions and presentations will take place during the 9th semester of the degree.

The theoretical sessions will take place through the lectures according to the program presented according to the schedule assigned to the beginning of the course.

The practice sessions includes: Solving pharmacokinetic problems (first week); Problem‐based learning. Resolution and discussion (second and third week) ; Assessment and resolution of clinic cases (fourth and fifth week); Discussion of seminars taught by the teacher. Active participation of the student (sixth week); Assessment Vademecum (seventh and eighth week); Realization of a monographic review work, in small groups, on a suggested topic. Presentation and defense. (ninth week); Discussion of seminars taught by the teacher. Active participation of the student (tenth week).

Exams on dates designated by the Centre (February and June)

For further details concerning the timetable, classroom and further information regarding this course please refer to <https://fccsyd.unizar.es/>

5.5.Bibliography and recommended resources