

**COURSE DATA****Data Subject**

Code	34735
Name	Implant surgery
Cycle	Grade
ECTS Credits	6.0
Academic year	2018 - 2019

Study (s)

Degree	Center	Acad. year	Period
1206 - Degree in Dentistry	Faculty of Medicine and Odontology	5	Second term

Subject-matter

Degree	Subject-matter	Character
1206 - Degree in Dentistry	32 - Implant surgery	Optional

Coordination

Name	Department
PEÑARROCHA DIAGO, JOSE MIGUEL	131 - Stomatology

SUMMARY

Implant surgery is an optional subject that belongs to the coresubject Medical-Surgical Pathology buccal and maxillofacial, quarterly periodicity. In the Degree of Dentistry, it has 6 ECTS credits and has been given practical theoretical character with clinical practices.

It will be taught in the fifth year of the degree of Dentistry, having an important relation with the subject of Oral Surgery.

It is defined as "the subject that studies the indications of surgical therapeutics, medicalsurgical materials, dentofacial radiological procedures and techniques of dental implant placement surgery."

In this elective and four-month course, the Degree of Dentistry is intended to give the student of Dentistry a training and surgical knowledge of the placement of dental implants.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

1206 - Degree in Dentistry :

R4-OBLIGATION TO HAVE SUCCESSFULLY COMPLETED THE COURSE

34715 - Oral surgery

Other requirements

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

1206 - Degree in Dentistry

- La superación de estas asignaturas reforzará la adquisición de las competencias generales del plan de estudios.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

Before the successful completion of this module, students should be able to:

1. Knowing the materials and instruments necessary for implant placement.
2. Being able to elaborate an initial diagnostic judgment and to establish a reasoned diagnostic strategy, being competent in the recognition of the situations that require the placement of dental implants.
3. Formulating a plan of surgical treatment of placement of implants
4. Knowing the basic surgical procedure of implant placement, as well as regeneration of the alveolar crest, maxillary sinus lift, and placement of implants in large atrophies.
5. Relating themselves to digital implantology, immediate implants, immediate loading and guided surgery.
6. Knowing the early and late complications of dental implantology.

DESCRIPTION OF CONTENTS

1. THEORETICAL CLASSES (27 HOURS)

Lessons

- 1.- Presentation of the subject. Diagnosis and planning 1. Anamnesis. Risk factors and contraindications
- 2.- Diagnosis and planning 2: Clinical examination
- 3.- Diagnosis and planning 3: Anatomy and radiological examination
- 4.-Basic surgical procedure 1
- 5.- Basic surgical procedure 2. Osteointegration. 6.- Regeneration of the bony crest



7.- Elevation of maxillary sinus

8.-Timing of implant placement: immediate, early and delayed implants. Timing of implant loading: immediate, early and conventional loading.

9.-Severe bone atrophies. Implants in anatomical buttresses

10.- Early complications in implants.

11.- Late complications. Management of peri-plant diseases

Each didactic unit is grouped by related contents, theoretical lessons, seminars and practices in laboratory.

2. SEMINARS (25 HOURS)

3. LABORATORY PRACTICES (8 HOURS)

1. Milling and implant placement workshop
2. Biomaterials workshop to bone regeneration

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	27,00	100
Classroom practices	25,00	100
Laboratory practices	8,00	100
Attendance at events and external activities	10,00	0
Development of group work	3,00	0
Development of individual work	5,00	0
Study and independent work	11,00	0
Readings supplementary material	1,00	0
Preparation of evaluation activities	10,00	0
Preparation of practical classes and problem	1,00	0
Resolution of case studies	1,00	0
Resolution of online questionnaires	1,00	0
TOTAL	103,00	

TEACHING METHODOLOGY



The face-to-face teaching modalities are taught in lessons that will be an oral exposition of a part of the subject. The lessons will have a duration time of 50 to 55 minutes, leaving the last minutes for questions of the students. In Implant Surgery, 12 lessons are taught in 27 hours. The theoretical classes will focus on providing the student information on how to treat the different pathologies that will be discussed throughout the subject. In these classes, clinical cases will be presented so that the student can understand these situations.

In practical face-to-face activities, the student sees the reality of what has been explained in the theoretical classes. The practices are based on practical classes and seminars. The practical activities will be done on Mondays and Fridays morning, and the seminars on Fridays from 14 to 16 hours.

The non face-to-face activities will be dedicated to the study of the lessons and practice.

EVALUATION

JUNE EXAM

Theoretical exam: 7 short questions of limited length will be asked. Practical exam : 3 clinical cases. The final grade of the subject will be the addition of the theoretical note and the practical note.

SECOND CALL: In July.

Theoretical exam: 7 short questions of limited length will be asked. Practical exam: 3 clinical cases. The final grade of the subject will be the addition of the theoretical note and the practical note.

REFERENCES

Basic

- Peñarrocha M, ed. Implantología Oral. Barcelona: Ars Médica; 2001. Reimpresión en 2006. (ISBN: 84-7951-176-X).
- www.mmedia.uv.es.
- PubMed <http://www.ncbi.nlm.nih.gov/pubmed/>
- Peñarrocha MA, Peñarrocha M. Atlas Quirúrgico de Implantología Oral. Ergón. Madrid 2013. (ISBN:84-9751-176-X)