

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

Code	34735
Name	Implant surgery
Cycle	Grade
ECTS Credits	6.0
Academic year	2017 - 2018

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, MARIA	131 - Stomatology
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 :

1210 - Grado de Odontología 2012 :

R4-OBLIGATION TO HAVE SUCCESSFULLY COMPLETED THE COURSE

34715 - Oral surgery

34715 - Oral surgery

Other requirements

OUTCOMES

1206 - Degree in Dentistry

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

LEARNING OUTCOMES

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
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TEACHING METHODOLOGY

The modalities of theoretical teaching are taught in lessons that are the exposure during a certain time of a part of an issue from the subject. The presentation should last between 50 and 55 minutes, leaving the last minutes for questions of the students. In implant surgery, 11 lessons are taught in 27 hours. Theoretical classes will focus, in particular, on providing the student with as much information as possible on where to obtain the necessary data to address the implant treatment plans to be taught throughout the course. In them, numerous clinical cases will be presented so that the student can understand these situations.

In practical classroom activities, the student observes the reality of what has been explained in the theoretical classes. Practices are related to theoretical instruction throughout the course. There are 33 hours of internships distributed in seminars and internships.

Non-staying activities are dedicated to the study of theoretical and practical classes.

EVALUATION

JUNE TEST

It will have a theoretical exam in June of the content of the subject explained from February until end of course. This exam will contain 10 short questions of limited extension (not A, B, C, D questions).

In June, there will be a final exam, which will prove the skills and abilities acquired in the planning of implant surgical treatments. The value is 30% of the final grade. Presentation of 5 clinical cases or practical cases, showing them with slides, of the complementary explorations and the surgical treatments realized, exposed in class, or in practices. (To pass the practical exam it is necessary to pass at least 3 of the 5 questions).

In the classroom 2.

FINAL GRADE

To pass the subject, they must:

Have handed ALL scheduled practices in. To be evaluated in implant surgery will be essential the assistance to implant surgery practices.

It will be essential to justify assistance to practices. Misconceptions, gossip, lack of attention, rude look, unpunctuality, inappropriate comments in front of the patient, as well as their non-collaboration, will result in obtaining 0 points and, if repeated, the expulsion of their attendance to practices.

Students wishing to do so may request a review of the exam by e-mail, in accordance with the teaching plan regulations. The final grade of the subject will be the sum of 70% of the theoretical grade and 30% of the practical grade.



SECOND CALL: In July. The exam will contain 10 short questions of limited extension and 5 practical questions, like the end of June.

In classrooms 1 and 2.

All students who wish can review their examinations and them grades. To do this, days and hours will be scheduled in advance.

REFERENCES

Basic

- Peñarrocha M, ed. Implantología Oral. Barcelona: Ars Médica; 2001. Reimpresión en 2006. (ISBN: 84-9751-176-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)