COURSE DATA

Data Subject	
Code	34735
Name	Implant surgery
Cycle	Grade
ECTS Credits	6.0
Academic year	2022 - 2023

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 OLTRA, DAVID	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.

Students are reminded of the great importance of carrying out evaluation surveys of all the teaching teachers of this subject.

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. Introduction to osseointegrated implantology

2. Indications, contraindications, diagnosis and treatment plan
3. Topographic anatomy of the jaws with implications for implant surgery
4. Surgical procedure for osseointegrated implants

5. Surgical complications in implantology. Charging protocols

6. Reopening and optimization of peri-implant soft tissues
7. Implants in the aesthetic sector. Timing of implant placement after tooth extraction

8. Bone regeneration and sinus lift

9. Atrophic edentulous patient: implants in residual bone

10. Prevention and treatment of peri-implant 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. Workshop for planning software in cone beam computed tomography
2. Workshop on surgical techniques to optimize peri-implant soft tissues

3. Workshop on biomaterials for bone regeneration in implantology

Attendance at workshops is mandatory.

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 theoretical face-to-face teaching modalities are taught in lessons that are the exposition during a certain time of a part of a subject of the subject. With a duration that must be respected from 50 to 55 minutes, leaving the last minutes for questions from students.In implant surgery they are taught in 10 lessons in 27 hours. The theoretical classes will focus, above all, on providing the student with as much information as possible on where to obtain the necessary data to address the implant treatment plans that will be taught throughout the course. In them, numerous clinical cases will be presented so that the student can understand these situations. In the practical classroom activities, the student will put into practice what has been learned in the theoretical classes. The compulsory practices are 3 workshops that take place at the same time as the theoretical lessons. Optionally, students can attend implant surgeries performed by teachers on Tuesday and Wednesday mornings, from 9 a.m. to 2 p.m. at the Clinic for the Master's Degree in Oral Surgery and Implantology.Non-contact activities are dedicated to the study of theoretical and practical classes.

EVALUATION

FIRST CALL (JUNE)**Theoretical evaluation (80%):** a test-type examination of each lesson will be carried out at the beginning of the next session. In other words, the evaluation of the contents of the 1st session will be evaluated at the beginning of the 2nd session.**Practical evaluation (20%):** optional final exam, which will consist of 2 short answer questions based on clinical assumptions.The final grade for the course will be the sum of the theoretical grade and the practical grade, although it will not be necessary to take the final exam to pass the course. SECOND CALL (JULY)Theory exam: 5 short questions of limited length.Practical exam: 2 clinical assumptions.The final grade for the course will be the sum of the theoretical grade and the practical grade.

REFERENCES

Basic

- -Peñarrocha MA, Peñarrocha M. Atlas Quirúrgico de Implantología Oral. Ergón.Madrid 2013. (ISBN:84-9751-176-X).
  -Peñarrocha Diago M, Salvatore L. Estética y carga inmediata en Implantología Dental. Medicina Oral S.L, Valencia 2011. (ISBN 978-84-624-5655-0).
  -Peñarrocha Diago M, Peñarrocha Oltra D. Tratamiento con implantes del maxilar superior atrófico. Ripano, 2014. (ISBN 978-84-942601-1-7).
  -Gatti C. Chiapasco M, Casentini P, Procopio C. Manual ilustrado de implantologia oral. Amolca, Milano 2010 (ISBN: 978-958-8473-26-0).