

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

<b>Code</b>	36250
<b>Name</b>	Practicum II in Adult Patients
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	14.0
<b>Academic year</b>	2023 - 2024

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1206 - Degree in Dentistry	Faculty of Medicine and Odontology	5	Annual

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1206 - Degree in Dentistry	42 - Prácticas clínicas tuteladas	External Practice

**Coordination**

<b>Name</b>	<b>Department</b>
FONS BADAL, CARLA	131 - Stomatology
LABAIG RUEDA, CARLOS	131 - Stomatology

**SUMMARY**

This subject falls within the 5th year programme of the Degree in Dentistry.

Students put into practise the knowledge acquired throughout this degree in an integrated, sequential and ordered way, in order to establish a diagnose and create a treatment plan for adult patients, under professor's supervision.

It does not include theoretical content, as this one is taught through the 4 previous years of the degree.

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 :

#### 1210 - Grado de Odontología 2012 :

R4-OBLIGATION TO HAVE SUCCESSFULLY COMPLETED THE COURSE

34714 - Oral medicine

34715 - Oral surgery

34717 - Dental prosthesis II

34719 - Dental pathology, conservative dentistry and endodontology II

34723 - Periodontics

34714 - Oral medicine

34715 - Oral surgery

34717 - Dental prosthesis II

34719 - Dental pathology, conservative dentistry and endodontology II

34723 - Periodontics

### Other requirements

## OUTCOMES

### 1206 - Degree in Dentistry

- Be able to identify the patient's concerns and expectations, and to communicate effectively and clearly, both orally and in writing, with patients, their relatives, the media and other professionals.
- Know how to share information with other health professionals and how to work in a team.
- Be able to prepare an initial diagnosis and establish a reasoned diagnostic strategy, and to recognise situations requiring urgent odontological attention.
- Know and be able to apply basic treatments for the most common dental pathologies in patients of all ages. Therapeutic procedures must be based on minimally invasive techniques and on a global and integrated approach to oral healthcare.
- Know how to plan and carry out multi-disciplinary, sequential and integrated odontological treatments of limited complexity in patients of all ages and in all conditions, and in patients requiring special care.
- Formulate and recommend appropriate preventive measures for each clinical situation.
- Acquire clinical experience under appropriate supervision.



- Module: Introduction to Dentistry - Take dental radiographs, interpret the images obtained and be familiar with other relevant diagnostic imaging techniques.
- Module: Introduction to Dentistry - Identify the main reason for consultation and the history of the current disease. Compile a general medical history of the patient and a medical record that accurately reflects the patient's records.
- Module: Dental Pathology and Therapeutics - Make diagnostic casts, mount them and take interocclusal records.
- Module: Dental Pathology and Therapeutics - Prescribe drugs appropriately, knowing their contraindications, interactions, systemic effects and effects on other organs.
- Module: Dental Pathology and Therapeutics - Apply loco-regional anaesthesia techniques.
- Module: Dental Pathology and Therapeutics - Prepare and isolate the operating field.
- Module: Dental Pathology and Therapeutics - Manage acute infections, including prescription and simple surgical aspects.
- Module: Dental Pathology and Therapeutics - Treat dental-alveolar trauma in temporary and permanent teeth.
- Module: Dental Pathology and Therapeutics - Assess and treat the patient with caries or other non-carious dental pathology and be able to use all materials aimed at restoring the shape, function and aesthetics of teeth in patients of all ages.
- Module: Dental Pathology and Therapeutics - Identify and correct oral habits that may cause or exacerbate malocclusions.

## LEARNING OUTCOMES

Students will be able to make a diagnosis according to the oral pathology that an adult suffers from. In order to do that, they have to know the basic sequence of an oral examination, compile a detailed clinical history and correctly interpret radiological and analytical tests, and the analysis of models.

Students can pose one or several treatment plans depending on the diagnosis.

Students will be able to do a periodontal abscess, a treatment for periodontal scaling and root planing.

They will have the skills to perform a simple exodontia (dental extraction).



Students will be able to finalise a root canal treatment (uniradicular or biradicular).

Students will be prepared for filling cavities regarding dental surgery. They should also know how to handle composites and dentin bonding systems.

They will perform reconstructions of teeth undergoing endodontic treatment.

Students will know the steps to be followed when carving teeth and do dental preparations in order to host crowns, bridges and laminated fronts. They will execute captures with elastomeric materials. Fitting of prosthesis and their cementation.

Students will design removable prosthesis and their clinical sessions.

Students will know the maintenance and review procedures of several treatments used.

Students will know how to prescribe pharmacological treatments when necessary.

## **DESCRIPTION OF CONTENTS**

### **1. Integrated Dentistry Service for Adults**

In each clinical session, the student will have one patient. For this reason, he will work 2 hours as an operator and will be helped by his boxing partner. In the following 2 hours, the 2 students that make up the box will reverse their roles as operator and assistant. After the first clinic visit, the student must submit a written diagnosis and treatment plan for each patient. Once approved by the professor, it will be incorporated into the computer program of the dental clinic. The student will work in coordination with his practicals teacher for the supervision and approval of each clinical step of the treatments.

There is no theoretical content since it has been developed in the previous 4 years of the degree. All of this means that master classes are not given throughout the course, but rather clinical sessions organized into thematic units with an eminently practical nature. The student will put into practice all the knowledge acquired throughout the degree in an integrated, sequential and orderly way, to establish a diagnosis and carry out a treatment plan for adult patients, under the supervision of the teacher.



## **2. UNIT 1: RECEPTION AND MANAGEMENT OF THE ADULT PATIENT**

CLINICAL SESSION 1: The first visit. Reception of the adult patient. Approaching his personality and appreciation of his expectations. Knowledge of personal motivation. Clinic history. Assessment of previous treatments.

CLINICAL SESSION 2: Clinical and psychological management of the adult patient.

CLINICAL SESSION 3: Patient motivation. Assessment of motivation towards new treatments and their willingness to maintain. Assessment of hygiene and periodontal status of the patient.

## **3. UNIT 2: STUDENTS IN FRONT OF ADULT PATIENTS**

CLINICAL SESSION 4: Motivation of the student in front of the approach to the adult patient.

CLINICAL SESSION 5: Grouping of the knowledge acquired in the face of the challenges that patients present. Order in comprehensive treatment and assessment of the patient's understanding of their treatment needs.

CLINICAL SESSION 6: Importance of hygiene and periodontal status in the design of the diagnosis and its influence when dealing with treatments.

## **4. UNIT 3: PAIN CONTROL**

CLINICAL SESSION 7: Pain control in the adult patient.

CLINICAL SESSION 8: Topographic anatomy of the cranial innervation. Local anesthetic techniques and their complications.

CLINICAL SESSION 9: Anesthesia depending on the different treatments and individualization depending on the medical characteristics of the patient.

## **5. UNIT 4: PERIDONTAL TREATMENT OF THE ADULT PATIENT**

CLINICAL SESSION 10: Periodontal study and treatment planning.

CLINICAL SESSION 11: Basic periodontal treatment.

CLINICAL SESSION 12: Advanced periodontal treatment.

CLINICAL SESSION 13: Periodontal maintenance.

## **6. UNIT 5: TREATMENT OF DENTAL PATHOLOGY IN THE ADULT PATIENT**

CLINICAL SESSION 14: Dental isolation techniques.

CLINICAL SESSION 15: Endodontic techniques. Pulp chamber opening and apical sealing.

CLINICAL SESSION 16: Treatment of endo-periodontal pathology.

CLINICAL SESSION 17: Reconstruction and reinforcement of the endodontic tooth.

CLINICAL SESSION 18: Clinical considerations for whitening in the dental office and at home. Vital and non-vital teeth whitening.



**7. UNIT 6: ADHESION APPLIED TO RESTORATIVE TREATMENT IN ADULT PATIENTS**

CLINICAL SESSION 19: Dental adhesion.

CLINICAL SESSION 20: Layering and handling of composite resins.

CLINICAL SESSION 21: Selection of ceramics according to the color of the substrate and the function of the tooth to be restored.

CLINICAL SESSION 22: Prosthodontic Treatment using adhesive ceramics.

**8. UNIT 7: PROSTHETIC TREATMENT IN THE ADULT PATIENT**

CLINICAL SESSION 23: Clinical sessions applied to the Complete Prosthesis.

CLINICAL SESSION 24: Clinical sessions applied to the Removable Partial Prosthesis.

CLINICAL SESSION 25: Clinical sessions applied to Fixed Prosthesis. oral rehabilitation

CLINICAL SESSION 26: The use and management of overdentures in the adult patient.

CLINICAL SESSION 27: Periodontal considerations before prosthetic treatment.

**9. UNIT 8: THE MAINTENANCE OF HEALTH AND TREATMENTS**

CLINICAL SESSION 28: Specific dental care for the maintenance of dental health and the treatments received. Treatment of peri-implantitis.

CLINICAL SESSION 29: The adult patient seen in an integral way. Presentation of clinical cases.

CLINICAL SESSION 30: The adult patient seen in an integrated way. Treatment plan and laboratory sessions.

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Odontology practices	280,00	100
Study and independent work	44,00	0
Preparation of practical classes and problem	42,00	0
Resolution of case studies	124,00	0
<b>TOTAL</b>	<b>490,00</b>	

**TEACHING METHODOLOGY**

In each clinical session, students will have an appointment with a patient. For that, each one of them will work as an operator for 2 hours and will be helped by his/her box partner. In the next 2 hours, both of them will exchange their functions as operator and assistant.

After the first clinical visit, students will present a diagnosis and a treatment plan for each patient in a written form, and once the professor approves it, they should incorporate it on the software programme of the Dental Clinic.



Students will work coordinating with their practicum professor so that they can be supervised and assisted in each clinical step followed in treatments.

Steps which need to be followed in order to perform several treatment plans will be specified in clinical sessions at the beginning of each clinical practice.

Students will have to attend clinical sessions on Clinical Pharmacology (20 hours).

## EVALUATION

**Practicum II Service for Adults:** Evaluation criteria.

60% CLINICAL PRACTISE: continuous evaluation, carried by the professor, of the attitudes and aptitudes, as well as of skills students have developed throughout the practicum in the academic course.

The professor will track the different treatments students make use of in this personal note book, informing students of the appropriate and inappropriate attitudes and procedures.

Students will fail the practicum if they miss more than 3 attendances. It is essential that students pass with a score of 50% in the clinical practicum in order to have access to an average with the written exam on clinical cases.

Failing the practicum implies that students need to repeat their practicum in the next academic year.

In case the professor's assessment regarding the clinical practicum during the first semester of the course is positive, and the student is bound to apply for an Extraordinary Call in the End of the Degree, they will be able to take the written test in the exam period which is set for the month of January.

40% WRITTEN EXAM CLINICAL CASES: students who obtain a score of 50% in the clinical practicum will be able to take the written exam in which they will have to answer 10 clinical situations that may be presented using slides, and 2 cases regarding Clinical Pharmacology (they have 2 hours to complete it).

Students need to obtain 50% correct in such test, both in clinical cases and clinical pharmacology ones, in order to average with the mark obtained in the clinical practicum. In case of failing the exam, they can retake it in July.

In this subject students will not be allowed to write their test (or even take it before the agreed date) if they have not completed their practicum.

In order to access to an advance on the call of this subject, it is a requirement that the student has coursed all his/her practices.



## REFERENCES

### Basic

- La bibliografía englobará toda aquella que especifiquen las asignaturas que tienen relación con el Practicum.
- Odontología Integrada para Adultos. Prof. Jaime del Rio Highsmith. Editorial PUES, S.L. Madrid, 1999 y 2003.
- Practicum en Clínica Odontológica Integrada de Adultos. Prof. J. Luis Calvo Guirado. Ed. Diego Marín. Murcia, 2010.
- Guía Teórico-Práctica para Clínica Odontológica Integrada de Adultos. Ed. Diego Marín. Murcia, 2011.
- Aprendizaje basado en el problema en Odontología Integrada de Adultos e Implantología. Ed. Marín. Murcia, 2011.