



Information about the subject

Degree: Bachelor of Science Degree in Dentistry

Faculty: Faculty of Medicine and Health Sciences

Code: 480503 **Name:** Child Comprehensive Dentistry

Credits: 12,00 **ECTS Year:** 5 **Semester:** 1/2

Module: Module 6: Supervised Internship and Final Degree Project

Subject Matter: PRACTICUM **Type:** Internship

Field of knowledge: Health Sciences

Department: -

Type of learning: Classroom-based learning

Languages in which it is taught: English, Spanish

Lecturer/-s:

485A	<u>Clara Maria Ferrer Serrador</u> (Responsible Lecturer)	cm.ferrer@ucv.es
	<u>Andrea Armengol Olivares</u>	andrea.armengol@ucv.es
	<u>Laura Marques Martinez</u>	laura.marques@ucv.es
	<u>Maria Carmona Santamaría</u>	maria.carmona@ucv.es
	<u>Maria Castillo Carsi</u>	maria.castillo@ucv.es
	<u>Maria Dolores Casaña Ruiz</u>	md.casana@ucv.es
	<u>Maria Josefa Ferro De Farisato Touceda</u>	MJ.FERRO@UCV.ES



485A	<u>Mónica Fernández Mafé</u>	monica.fernandez@ucv.es
	Raquel Avivar Pardo	raquel.avivar@ucv.es
CASC	<u>Laura Marques Martinez</u> (Responsible Lecturer)	laura.marques@ucv.es
	<u>Esther Garcia Miralles</u>	esther.garcia@ucv.es
485GIQ	<u>Esther Garcia Miralles</u> (English Responsible Lecturer)	esther.garcia@ucv.es
	<u>Ana Isabel Aliaga Rojo</u>	ai.aliaga@ucv.es
	<u>Irene Tormo Gomez</u>	irene.tormo@ucv.es
	<u>Maria Carmen Bertolin Verges</u>	mc.bertolin@ucv.es
	<u>Paula Boo Gordillo</u>	paula.boos@ucv.es
	Raquel Avivar Pardo	raquel.avivar@ucv.es



Module organization

Module 6: Supervised Internship and Final Degree Project

Subject Matter	ECTS	Subject	ECTS	Year/semester
PRACTICUM	24,00	Adult Comprehensive Dentistry	12,00	5/2
		Child Comprehensive Dentistry	12,00	5/2
GRADUATION WORK	12,00	Bachelor's Thesis	12,00	5/2

Recommended knowledge

PEDIATRIC DENTISTRY I and II
ORTHODONTICS I and II
PREVENTIVE DENTISTRY
DENTAL PATHOLOGY AND THERAPEUTICS

Prerequisites

Necesarios tener superados 228 créditos para matricularse del Practicum. Es obligatoria la superación del CURSO DE CAPACITACIÓN para la realización del Practicum.



Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Proves to be competent in educating patients and carrying out a complete primary care in patients of all ages and conditions; which emphasizes the current concepts of prevention and treatment of oral diseases and supports the need for the maintenance of systemic and oral health.
- R2 Proves to be competent in the diagnosis of cariogenic and non-caryogenic dental pathology, including pulp and periradicular pathology in patients of all ages and conditions.
- R3 Proves to be competent in diagnosing the need to restore or replace teeth in order to provide acceptable shape, function and esthetics in patients of all ages and conditions.
- R4 Proves to be competent at diagnosing and preventing malocclusions in the primary, mixed or permanent dentition in patients of all ages and conditions.
- R5 Manages integral treatments in the infant patient.
- R6 Shows abilities for management of the pediatric patient's behavior.
- R7 Carries out a comprehensive treatment plan for the paediatric patient.
- R8 Manages integral treatments in the infant patient.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

GENERAL	Weighting			
	1	2	3	4
CG1 I aCapacity for analysis and synthesis				X
CG2 I bOrganizational and planning skills			X	
SPECIFIC	Weighting			
	1	2	3	4
CE C 2IObtain and prepare a medical history containing all relevant information.		X		
CE C 2Knowing how to perform a complete oral examination, including the appropriate radiographic and complementary examination tests, as well as obtaining appropriate clinical references.				X
CE C 2Be able to make an initial diagnostic judgement and establish a reasoned diagnostic strategy, being competent in the recognition of situations requiring urgent dental care.				X
CE C 2Establish the diagnosis, prognosis and adequate therapeutic planning in all clinical areas of dentistry, being competent in the diagnosis, prognosis and elaboration of the dental treatment plan of the patient requiring special care, including medically compromised patients (such as diabetics, hypertensive, immunosuppressed, anticoagulated, among others) and patients with disabilities.			X	
CE D 2Know and apply the basic treatment of the most common oral pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimum invasion and on a global and integrated approach to oral treatment.				X
CE D 2Plan and propose the appropriate preventive measures for each clinical situation.		X		
CE D 2Acquire clinical experience under proper supervision.				X



TRANSVERSAL

Weighting

1 2 3 4

1. a.	Analysis and synthesis skills				X
1. b.	Organizational and planning capacity			X	
1. g.	Problem solving			X	
1. h.	Decision making				X
2. i.	Teamwork		X		
2. j.	Multidisciplinary teamwork			X	
2. n.	Critical Reasoning				X
2. o.	Ethical commitment				X
3. p.	Autonomous learning		X		



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
	0,00%	OPEN QUESTIONS: Written exam in which basic theory knowledge and the ability to relate, integrate and coherently express it in writing is assessed.
	30,00%	MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.
	0,00%	CLASS PARTICIPATION: The teacher assesses the participation, involvement and progress the student makes in acquiring knowledge and skills in theory and practical classes and seminars. This is never more than 5% of the final grade.
	40,00%	PRACTICUM REPORT
	30,00%	EXTERNAL TUTOR EVALUATION REPORT

Observations

ATTENDANCE:

The total number of clinical practices and clinical sessions in "Integral del Niño" is 35 each. Attendance is mandatory at 90% (32). Students are allowed to be absent for a maximum of 3 justified clinical practices and/or clinical sessions in total. Absences can only be justified with the same reasons stated in the UCV statutes for rescheduling exams. If the maximum number of allowed justified absences is exceeded, students must directly attend the 2nd examination period. To access the 2nd examination period, the student must not exceed 3 justified absences or have more than 1 unjustified absence. If this limit is exceeded, the student will have to retake the subject next year. Students are obligated to comply with the UCV clinical regulations regarding attire, facility care, and behavior. Failure to comply will result in a penalty/expulsion from the practice. Students must possess the necessary linguistic competencies for patient care during clinical practices. EVALUATION: 30% Multiple-choice questions. An exam with 40 multiple-choice questions, each having 5 options with only one correct answer. One incorrectly answered question deducts 0.20 from a correctly answered question. A minimum score of 5 is required to calculate the average. 40% Clinical Practice Report, to be submitted in two parts, the first in January and the second in June. A final grade of 6 is necessary to calculate the average. 30% Tutor's Report. A final



grade of 6 is necessary to calculate the average. SECOND REGISTRATION STUDENTS: Second registration students must retake the entire subject, including clinical practices and clinical sessions.

MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

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|-----|--|
| M3 | Problem and case solving.
Social action activities. |
| M4 | Group work with research, discussion and filtering information about the degree subjects. |
| M6 | Discussion and problem solving. |
| M8 | Oral presentations by students. |
| M9 | Group work: group work sessions supervised by the teacher.
Knowledge building through interaction and activity of students. |
| M10 | Carrying out bibliographic reviews and practical work experience dissertations. |
| M11 | Practical in-person classes in clinics linked to the university, where the student will carry out different treatments under direct supervision from the assigned tutor. |
| M12 | Seminars, supervised monographic classes with shared participation. |
| M13 | Personal preparation of written texts, essays, problem solving, seminars. |
| M14 | Clinical study and problem and case solving through Dentistry based on scientific evidence. |



- M15 Personalised Attention. Period of instruction and/or guidance carried out by a tutor with the aim of analysing with the student his/her work, activities and evolution in learning of subjects.

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
PRACTICAL CLINICAL SESSION M3	R1, R4, R5, R6, R7, R8	195,00	7,80
SEMINAR M4, M6, M8	R3, R4, R5	50,00	2,00
TUTORING M15	R8	5,00	0,20
TOTAL		250,00	10,00

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M3, M6	R5, R7	50,00	2,00
TOTAL		50,00	2,00



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
VI. INTERCEPTIVE ORTHODONTICS	<p>21. INTRODUCTION AND DIAGNOSIS IN ORTHODONTICS IN CHILDREN.</p> <p>22. DIAGNOSIS AND INTERCEPTIVE TREATMENT OF ABNORMAL ORAL HABITS IN THE CHILD. ABNORMAL SWALLOWING. ORAL BREATHING. DIGITAL AND PACIFIER SUCTION. LABIAL INTERPOSITION. DIFFERENT TYPES OF APPARATOLOGY.</p> <p>23. SPACE MANAGEMENT. SPACE MAINTAINERS AND RECOVERERS INDICATIONS, TECHNIQUES AND TYPES OF APPARATOLOGY.</p> <p>24. DIAGNOSIS AND INTERCEPTIVE TREATMENT OF TRANSVERSE MALOCCLUSIONS. DENTOALVEOLAR EXPANSION. MAXILLARY DISJUNCTION.</p>
I. PREVENTIVE AND COMMUNITY DENTISTRY	<p>1.- INTRODUCTION TO THE COMPREHENSIVE PAEDIATRIC CLINIC. DIAGNOSIS IN PAEDIATRIC DENTISTRY. THE FIRST VISIT.</p> <p>2. DIAGNOSTIC RADIOGRAPHIC TECHNIQUES IN PAEDIATRIC DENTISTRY.</p> <p>3. STRESS AND DENTAL PHOBIAS IN THE PAEDIATRIC PATIENT.</p> <p>4. ANXIETY OF THE PAEDIATRIC PATIENT DURING DENTAL TREATMENT.</p> <p>5. PREVENTION IN PAEDIATRIC DENTISTRY.</p> <p>6. INFORMED CONSENT IN PAEDIATRIC DENTISTRY.</p> <p>7. MINIMALLY INVASIVE DENTISTRY IN CHILDREN AND ADOLESCENTS.</p>



II. PAIN CONTROL AND EMERGENCIES

- 8. LOCAL ANESTHESIA. INDICATIONS AND TECHNIQUES. MANAGEMENT OF THE PAEDIATRIC PATIENT FOR THE ADMINISTRATION OF ANESTHESIA. COMPLICATIONS. ACTION PROTOCOLS IN THE CASE OF ACCIDENTAL PUNCTURES.
- 9. EMERGENCIES IN PAEDIATRIC DENTISTRY.
- 10. TRAUMATISMS IN PRIMARY DENTITION.
- 11. TRAUMATISMS IN PERMANENT DENTITION.

III. PULP PATHOLOGY AND THERAPEUTICS

- 12. PULP TREATMENT IN PRIMARY DENTITION. DIAGNOSIS IN PULP PATHOLOGY. TECHNIQUES AND MATERIALS. PRESENTATION OF CLINICAL CASES.
- 13. PULP TREATMENT IN YOUNG PERMANENT DENTITION. DIAGNOSIS. TECHNIQUES.

V. HANDLING OF HARD AND SOFT TISSUES

- 15. PERIODONTAL DISEASE IN PAEDIATRIC PATIENTS. JUVENILE GINGIVITIS AND PERIODONTITIS. ORAL PATHOLOGY IN PAEDIATRIC DENTISTRY. AHTAE. BACTERIAL AND VIRAL INFECTIONS OF THE ORAL MUCOSA. ORAL MYCOSIS.
- 16. ANOMALIES OF THE DENTITION. ALTERATIONS OF NUMBER, SHAPE AND COLOR. HEREDITARY AND NON-HEREDITARY ALTERATIONS OF THE STRUCTURE.
- 17. CLEFT LIP. MULTIDISCIPLINARY APPROACH.
- 18. TEMPORO-MANDIBULAR DISORDERS IN CHILDREN.
- 19. SURGICAL TREATMENT IN DENTISTRY. TEMPORARY TOOTH EXTRACTIONS TECHNIQUES. MATERIALS. COMPLICATED EXTRACTIONS: ANKYLOSIS, SUPERNUMERARY TEETH.
- 20. SURGICAL TREATMENT IN PEDIATRIC DENTISTRY. PHRENILECTOMIES. TECHNIQUES AND REQUIRED MATERIALS. COMPLICATED SURGERIES AS ODONTOMAS, CYSTS, GRANULOMAS, AMONG OTHERS.

IV. PHARMACOLOGY IN CHILDREN

- 14. PHARMACOLOGY. PRESCRIPTIONS. PRACTICAL GUIDE TO THE USE OF ANTIBIOTICS AND ANALGESICS IN ODP.



Temporary organization of learning:

Block of content	Number of sessions	Hours
VI. INTERCEPTIVE ORTHODONTICS		0,00
I. PREVENTIVE AND COMMUNITY DENTISTRY	4,00	8,00
II. PAIN CONTROL AND EMERGENCIES	2,00	4,00
III. PULP PATHOLOGY AND THERAPEUTICS	1,00	2,00
V. HANDLING OF HARD AND SOFT TISSUES	6,00	12,00
IV. PHARMACOLOGY IN CHILDREN	4,00	8,00



References

Boj JR, Catalá M, Mendoza A, Planells P, Cortés O. Odontopediatria. Bebés, niños y adolescentes. 1ª ed. México: Odontología Books; 2019.

Nowak AJ, Christensen JR, Townsend JA, Wells MH. Pediatric Dentistry: Infancy through Adolescence. 6th ed. Philadelphia: Elsevier; 2018

Welbury R, Duggal MS, Hosey MT. Paediatric Dentistry. 5th ed. Oxford: Oxford University Press; 2017.

Deen JA. McDonald and Avery's Dentistry for the Child and Adolescent. 10th ed. St Louis: Elsevier; 2016

Políticas de salud bucodental y recomendaciones de la AAPD. Disponible en: <https://www.aapd.org/research/oral-health-policies--recommendations/>

Protocolos de la SEOP. Disponible en: <https://www.odontologiapediatrica.com/protocolos/>

BIBLIOGRAFÍA COMPLEMENTARIA

Koch G, Poulsen S, Espelid I, Haubek D. 3rd ed. Pediatric Dentistry: A Clinical Approach. Chichester: Wiley Blackwell; 2017.

Cameron AC, Widmer R. Manual de odontología pediátrica. 3a ed. Barcelona: Elsevier; 2010

Boj JR, Cortés O, González P, Ferreira LP. Odontopediatria clínica. 1ª ed. México: Odontología Books; 2018

Guías de la EAPD. Disponible en: <https://www.eapd.eu/index.php/policies-and-guidelines>

Guías de la BSPD. Disponible en: <https://www.bspd.co.uk/Resources/BSPD-Guidelines>

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