



Information about the subject

Degree: Bachelor of Science Degree in Dentistry

Faculty: Faculty of Medicine and Health Sciences

Code: 480506 **Name:** Dental Traumatology

Credits: 6,00 **ECTS Year:** 5 **Semester:** 1

Module: Module 4: Dental Pathology and Therapeutics

Subject Matter: DENTAL PATHOLOGY **Type:** Compulsory

Field of knowledge: Health Sciences

Department: Dentistry

Type of learning: Classroom-based learning

Languages in which it is taught: English, Spanish

Lecturer/-s:

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Module organization

Module 4: Dental Pathology and Therapeutics

Subject Matter	ECTS	Subject	ECTS	Year/semester
DENTAL THERAPY	66,00	Cosmetic Dentistry	6,00	4/2
		Orthodontics I	6,00	3/2
		Orthodontics II	6,00	4/1
		Paediatric Dentistry I	6,00	4/1
		Paediatric Dentistry II	6,00	4/2
		Pathology and Dental Therapeutics I	6,00	3/1
		Pathology and Dental Therapeutics II	6,00	3/2
		Pathology and Dental Therapeutics III	6,00	4/1
		Prosthodontics I	6,00	3/1
		Prosthodontics II	6,00	3/2
		Prosthodontics III	6,00	4/1
DENTAL PATHOLOGY	60,00	Dental Traumatology	6,00	5/1
		Dentistry in Special Patients	6,00	4/2
		Emergencies in Dentistry	6,00	5/2
		Legal and Forensic Dentistry	6,00	5/1



DENTAL PATHOLOGY

Oral Medicine	6,00	3/1
Oral Surgery I	6,00	4/1
Oral Surgery II - Implantology	6,00	5/2
Pathology of the Temporo-Mandibular Joint and Orofacial Pain	6,00	4/2
Periodontics I	6,00	3/2
Periodontics II	6,00	4/2



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 Searches for information in bibliographic sources and knows how to analyze them.
- R2 Makes an adequate clinical history.
- R3 The student is capable of making a diagnostic judgement based on the data from the anamnesis and examination.
- R4 The student is capable of optimizing the use of diagnostic and therapeutic resources.
- R5 Knows the appropriate anesthesia techniques for each treatment.
- R6 Formulates a therapeutic plan and a prognosis for the different pathologies.
- R7 The student is able to complete a complete clinical history and make a full clinical judgment.
- R8 The student is able to transmit knowledge in a precise and correct way.
- R9 Knows how to deal with dental emergency situations (pain, trauma, etc.)
- R10 Knows the epidemiology of dental trauma.
- R11 Proves to know the prevention, classification and etiology of dental trauma.
- R12 Proves to know the effect of traumas on apical maturation and the commitment to the viability of the tooth.
- R13 Proves to be able to diagnose and treat pulp problems derived from dental trauma.
- R14 Proves to be able to diagnose and treat coronal, corono-radicular and radicular fractures.
- R15 Proves to to treat dental avulsions, as well as the maintenance and conservation of avulsed teeth



- R16 The student is competent in the diagnosis of dental trauma.
- R17 Proves to be competent in the emergency treatment of any dental trauma and the appropriate techniques.
- R18 Has an in-depth knowledge of temporary and definitive restoration techniques for the treatment of traumatised teeth.
- R19 Knows the most suitable restoration materials for each case in the restoration of the traumatized tooth.
- R20 Knows and is able to use the appropriate techniques in the rehabilitation of immature traumatised teeth.
- R21 Knows how to relate dental traumatology with the rest of the odontological disciplines.
- R22 Knows the profession by putting the patient first.
- R23 Shows ability to recognise the error and desire to correct it.
- R24 Shows concern for the investigation.



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 A 7 Promote autonomous learning of new knowledge and techniques, as well as motivation for quality.				X
CE A 9 Understand the importance of maintaining and using records with patient information for subsequent analysis, preserving the confidentiality of the data.			X	
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 2 Know 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 2 Know how to plan and carry out multidisciplinary, sequential and integrated dental treatments of limited complexity in patients of all ages and conditions and patients requiring special care.

X

CE D 2 Plan and propose the appropriate preventive measures for each clinical situation.

X

CE D 2 Acquire clinical experience under proper supervision.

X

CE E 3 Recognise the role of the dentist in actions to prevent and protect against oral diseases, as well as in the maintenance and promotion of health, both at individual and community level.

X

TRANSVERSAL

Weighting

1 2 3 4

1. a. Analysis and synthesis skills

X

1. b. Organizational and planning capacity

X

1. c. Oral and written communication in the native language.

X

1. d. Knowledge of a foreign language

X

1. e. Computer skills

X

1. f. Information management capacity

X

1. g. Problem solving

X

1. h. Decision making

X

2. i. Teamwork

X

2. j. Multidisciplinary teamwork

X



2. k.	Work in an international context	x		
2. l.	Interpersonal skills		x	
2. m.	Recognition of diversity and multiculturalism	x		
2. n.	Critical Reasoning		x	
2. o.	Ethical commitment			x
3. p.	Autonomous learning			x
3. q.	Adaptation to new situations		x	
3. r.	Creativity			x
3. s.	Leadership	x		
3. t.	Knowledge of other cultures and customs	x		
3. u.	Initiative and entrepreneurship		x	
3. v.	Motivation for quality			x
3. w.	Sensitivity to environmental and socio-health issues		x	



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R2, R3, R4	25,00%	OPEN QUESTIONS: Written exam in which basic theory knowledge and the ability to relate, integrate and coherently express it in writing is assessed.
R2, R3, R4	25,00%	MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.
R2, R3, R4	25,00%	PRACTICAL: Written test in which the student is asked to solve practical exercises, clinical cases or problems about the contents of different subjects.
R2, R3, R4	25,00%	PRACTICAL EXAM: The student carries out a test in which he/she must show by means of practical application the acquisition of certain knowledge. For example, histological or anatomopathological diagnoses, interpretation of images or diagnostic tests.

Observations

It is necessary to obtain at least a mark of 5 in the internship in order to be able to sit the exam. If the student misses two practicals, he/she will have to sit the second exam directly. If the student misses three or more practicals, he/she will have to retake the subject the next year. The student is obliged to comply with the regulations of the UCV clinics, both in the laboratory and in the laboratory. Failure to comply with these regulations will result in the expulsion of the practical with the consequent failure of the same. Those students who have failed in previous exams (SP group) will keep their marks if they have passed the practicals.

Every 5 unanswered or incorrect questions, 1 correct question will be deducted. Of the 4 parts of the exam in PTD I (Practical, Theoretical Test, Practical Test and Short Questions), it is necessary to get a 5 or more in the average grade to pass Dental Traumatology. If you get between 4 and 5 in some part of the exam (Theoretical Test, Practical Test and Short Questions), the average will be taken for the overall grade. In this situation, if you have 5 or more in the overall grade, you will pass dental traumatology. If you have less than 5 in the same situation, you will not pass dental traumatology.

If you have less than 4 in some part of the exam (Theoretical Test, Practical Test and Short Questions), you will pass directly to the 2nd round and will repeat all parts of the exam (Theoretical



Test, Practical Test and Short Questions).

CRITERIA FOR THE HONOR AWARD:

According to Article 22 of the Regulatory Regulations for the Evaluation and Grading of UCV Subjects, the mention of "Honor award" may be awarded by the professor responsible for the subject to students who have obtained the grade of "Outstanding". The number of "Honor award" mentions that may be awarded may not exceed five percent of the students included in the same official transcript, unless this is less than 20, in which case only one "Honor award" may be awarded.

MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

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

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|----|---|
| M1 | Lecture.
Problem Solving.
Explanation of contents by the teacher.
Explanation of knowledge and skills. |
| M2 | Practical basic sciences laboratory sessions, practical simulation laboratory sessions, virtual hospital and dissecting room. |
| 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.
- 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
THEORY CLASS M1, M3	R2, R3, R4, R6, R7, R8, R10, R11, R13, R14, R15, R17, R21	14,00	0,56
SEMINAR M3	R2, R3, R4	18,00	0,72
TUTORING M3	R1, R2, R3, R4, R6, R9, R10, R11	2,00	0,08
EVALUATION M11, M13	R16, R23	2,00	0,08
PRACTICAL CLASS M2	R1, R2, R3, R4	24,00	0,96
TOTAL		60,00	2,40

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M1, M2, M3	R1, R2, R3, R4	50,00	2,00
GROUP WORK M1, M2, M3	R1, R2, R3, R4	40,00	1,60
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block

Contents

BLOCK1 INTRODUCCIÓN

1. Introduction. Classification etiology and epidemiology of dental trauma. Management of traumatized patients.

BLOCK 3: TREATMENT OF THE TRAUMATISED TOOTH

4. Concussion and subluxation.
5. Fractures with and without coronary pulp affectation. (NO ESTA DADA)
6. Crown-root fractures.
7. Root fractures.
8. Dislocations and tooth avulsions.
9. Bone and mucous lesions in dental trauma.
10. Traumatism of the teeth in development.
11. Trauma in temporary dentition.
12. Prevention of the traumatic dental injuries
13. Relationship of the traumatology dental with the prosthesi

BLOCK 2: CLASSIFICATION, PREVENTION AND DIAGNOSIS OF DENTAL INJURIES

2. Clinic of dental trauma. Diagnostic scan and prognosis.
3. Histopathology of dental trauma. Biological mechanisms of tooth repair.



Temporary organization of learning:

Block of content	Number of sessions	Hours
BLOCK1 INTRODUCCIÓN	1,00	2,00
BLOCK 3: TREATMENT OF THE TRAUMATISED TOOTH	14,00	28,00
BLOCK 2: CLASSIFICATION, PREVENTION AND DIAGNOSIS OF DENTAL INJURIES	15,00	30,00

References

1. Andreasen, J.O. (2012) Manual de lesiones traumáticas dentarias. 3a edición. Editorial Amolca
2. Andreasen, J.O. Texto y atlas a color de lesiones traumáticas a las estructuras dentales. Tomo 1 y Tomo 2. Editorial Amolca
3. Berman, L. H. (2008) Manual clínico de traumatología dental. Editorial Elsevier