COURSE DATA

DATA SUBJECT

Code: 34725
Name: Dentistry for patients with special needs
Cycle: Undergraduate Studies
ECTS Credits: 6
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1206 - Degree in Dentistry	Facultat de Medicina i Odontologia	5	First quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1206 - Degree in Dentistry	Dentistry in special patients	COMPULSORY

COORDINATION

SILVESTRE RANGIL JAVIER

SILVESTRE DONAT FRANCISCO JAVIER

SUMMARY

The advances made in Medicine and Dentistry require us to adapt our knowledge and skills to the new technologies and the new patient profiles. The increase in life expectancy and the progressive aging of the population in the industrialized world, as well as the improved survival rates among patients with critical systemic diseases or with serious malformations and functional diversity, make it necessary to adequately adapt the methods and techniques in specific dental care attempting to improve dental treatment without negative effects upon patient health. In the social setting it is important to address the buccodental care challenges posed by patients of this kind, including individuals with functional diversity

This obligatory subject is imparted in the last course, when the students have already acquired knowledge and skills in basic general dental care. In this subject they will become familiarized with the special characteristics and care measures required for the dental treatment of patients with different systemic disorders and disabilities. Theoretical-practical and clinical classes will address the special modifications, care and means needed in relation to each type of patient, such as for example the application of treatments under sedation or general anesthesia.

Students are reminded of the great importance of carrying out evaluation surveys of all the teaching

teachers of this subject.

p>

>

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

1206 - Degree in Dentistry

Obligation to have previously passed the subject(s)	34714 - Oral medicine 34715 - Oral surgery 34723 - Periodontics

OTHER REQUIREMENTS

COMPETENCES / LEARNING OUTCOMES

1206 - Degree in Dentistry

Adquirir experiencia clínica bajo la adecuada supervisión.

Conocer las bases farmacológicas de las distintas técnicas anestésicas tanto locales como generales, así como el papel de la sedación y la anestesia general en el manejo del paciente odontológico.

Establecer el diagnóstico, pronóstico y una adecuada planificación terapéutica en todas las áreas clínicas de la Odontología, siendo competente en el diagnóstico, pronóstico y elaboración del plan de tratamiento odontológico del paciente que requiera cuidados especiales, incluidos los pacientes médicamente comprometidos (como diabéticos, hipertensos, inmunodeprimidos, anticoagulados, entre otros) y pacientes con discapacidad.

Identificar, valorar y atender emergencias y urgencias médicas que puedan presentarse durante la práctica clínica odontológica y aplicar técnicas de resucitación cardio-pulmonar.

Identificar al paciente que requiera cuidados especiales, reconociendo sus características y peculiaridades.

Reconocer las situaciones de riesgo vital y saber hacer maniobras de soporte vital básico.

Saber planificar y realizar tratamientos odontológicos multidisciplinares, secuenciales e integrados de complejidad limitada en pacientes de todas las edades y condiciones y de los pacientes que requieran cuidados especiales.

DESCRIPTION OF CONTENTS

1. The medical risk patient in the dental clinic. Patients with special needs in dentistry. Estimation of medical risk in the dental clinic. Semiological value of the dental patient.

2. Dental treatment in medical risk situations. Monitoring in dentistry. Protocols or clinical guides for dental treatment in at-risk patients.

3. Most frequent emergencies in the dental clinic. Basic life support and advanced life support.

4. Dental management of patients at risk of bleeding.

5. Dental management of the patient with hematological diseases.

6. Dental management of patients with cardiovascular pathology.

7. Dental management of the patient with renal failure. The patient on hemodialysis.

8. Dental management of patients with liver failure.

9. Dental management of patients with digestive problems.

10. Dental management of patients with immunodeficiencies and infectious risk.

11. Dental management of the patient with rheumatological pathology.

12. Dental management of patients with respiratory diseases.

13. Dentistry in patients with diseases of the endocrine system.

14. The cancer patient in dentistry. Patient undergoing radical surgery and in need of a maxillofacial prosthesis.

15. Dental management of the irradiated patient in dentistry. Dental management of the patient receiving chemotherapy in dentistry.

16. Dental management of patients with neuromuscular pathology. Neuromuscular disorders that require special dental care. Epileptic patient in the dental clinic.

17. Dental management of patients with chronic neurodegenerative disorders. Patients with parkinsonism and patients with Alzheimer's disease.

18. Dental management of patients with psychiatric disorders.

19. The patient with functional diversity in dentistry. Types of Disability. General dental management criteria. Treatment criteria under local anesthesia, sedation or general anesthesia.

20. Dental management of patients with functional diversity. Behavior management. Treatment under sedation and general anesthesia.

21. Dental management of patients with intellectual disabilities. Dental management of patients with Down syndrome. Management of patients with rare diseases.

22. Dental management of patients with cerebral palsy (CP).

23. Dental management of patients with autism spectrum disorder (ASD) and rare diseases.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	26,00
Odontology practices	40,00
Laboratory	14,00
Computer classroom practice	10,00
Total hours	**90,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	20,00
Independent study and work	20,00
Preparation of lessons	20,00
Preparation for assessment activities	0,00
Resolution of case studies	0,00
Total hours	**60,00**

TEACHING METHODOLOGY

The theoretical classes will by dynamically combined with clinical cases, placing emphasis on the most up to date protocol to be used in the cases that are presented. Seminars will be programmed, offering an introduction to clinical research in medically impaired and patients with functional diversity, serving as a basis for the conduction of a review study on the part of the student. Other seminars will address basic and advanced life support, as well as general anesthesia in dental practice. In turn, practical workshops will address monitorization, and emergency drug use and management of patients with functional diversity.

The course is complemented with clinical practices on special outpatients in different clinics specialized in the treatment of patients with functional diversity and medically impaired patients. Clinical practices also will be held in the University dental clinic.

The gender perspective, respect for diversity and the sustainable development goals (SDGs) will be incorporated into teaching, whenever possible.

EVALUATION

In this subject, the evaluation of student learning will be carried out based on the following elements:

Theory: Students will carry out a written exercise on elements of the subject at the end of the semester. The assessment of this section will constitute 90% of the final grade.

Practices: Active participation in the clinical practices and in the practical workshop will be valued, attendance is mandatory and unjustified absences will mean failure to pass the subject.

A systematic review work on special patients carried out by groups during the course will be valued with 10% of the final grade.

Attendance at practical activities is mandatory. The student is considered to meet this requirement if he or she has attended a minimum of 80% of these activities and has adequately justified the impossibility of attending the remaining sessions due to the occurrence of a cause of force majeure. It will be essential to comply with this requirement to pass the subject.

Students are reminded of the importance of carrying out evaluation surveys to all teaching staff of the degree subjects.

REFERENCES

BASIC

- Silvestre FJ, Plaza A. Odontología en pacientes especiales. Valencia: PUV Publicacions de la Universitat de València, 2007.

- Scully C, Diz-Dios P, Kumar N. Special Care in Dentistry. Churchill Livingstone-Elsevier: Londres, 2007.
- Elías R. Odontología para pacientes con necesidades especiales. Ripano: Madrid, 2008.
- - RECURSOS e-Salut:
- - ClinicalKey Student Medicina, Odontologia y Enfermería [https://uv-es.libguides.com/RecursosSalut]
- - Acces Medicina [https://uv-es.libguides.com/Access_Medicina]
- - Médica Panamericana [https://uv-es.libguides.com/Medica_Panamericana]

SUPPLEMENTARY

- Pinto da Silva LC, de Almeida Cruz R. Odontologia para pacientes com necessidades especiais. Protocolos para o atendimento clínico. Santos Ed: São Paulo, 2009.
- Raposa KA, Perlman SP. Treating the dental patient with a developmental disorder. Wiley-Blackwell: Ames, 2012.
- Fiske J. Special Care Dentistry.Quintessence Publishing Co: Londres, 2007.