

Name of the course

Clinical Hospital Dentistry / Special Care Dentistry

Department in which the class is performed

Department of Oral Medicine

Department address

School of Dental Medicine, University of Zagreb, Gundulićeva 5, 10000 Zagreb

Status of the class

Elective

Study year in which the class is performed

6th year

Semester in which the class is performed

Winter semester

ECTS number

1 ECTS

Course leader

Assoc. Prof. Danica Vidović Juras, PhD, djuras@sfzg.hr

Other lecturers

Prof. Željko Verzak, PhD, verzak@sfzg.hr

Assoc. Prof. Božana Lončar-Brzak, PhD, loncar@sfzg.hr

Marin Lozić, PhD, marin.lozic@yahoo.com

Bruno Špiljak, DMD, bspiljak@sfzg.hr

Number of class hours

	Winter semester	Summer semester	Combined (both semesters)
Lectures	-	-	-
Seminars	5	-	-
Practicals	15	-	-
Total	20	-	-

1 hour = 45 minutes

Type of practicals

Special clinical practicals

Aim and purpose of the class

Gaining clinical experience in the field of special care dentistry (synonyms: special needs dentistry, hospital dentistry).

To train students to provide dental care to patients with special oral / dental care needs.

Prerequisites for enrolling in the course

There are no requirements for 6th year students of integrated undergraduate and graduate study of dental medicine for course enrollment.

The subject is elective and students enroll in their own choice.

Learning outcomes at the level of the Integrated Undergraduate and Graduate Study Program in Dental Medicine to which the course contributes:

- ☐ Knowledge, skills, and competences related to professionalism, ethics, and law
- ☐ Knowledge, skills, and competences related to communication and social skills
- ☒ Knowledge, skills, and competences related to basic knowledge and the ability to gather information from the literature
- ☒ Knowledge, skills, and competences related to collecting clinical information
- ☒ Knowledge, skills, and competences related to diagnosis and treatment planning
- ☒ Knowledge, skills, and competences related to therapy, establishment, and maintenance of oral health
- ☒ Knowledge, skills, and competences related to preventive measures and health promotion

Expected learning outcomes

Knowledge
1. Define patients with special oral/dental healthcare needs.
2. Explain the principles of a team-based approach and care planning for hospitalised and high-risk patients (including the importance of consultations and collaboration with other dental and medical specialties).
Skills
1. Examine patients with special oral/dental healthcare needs.
2. Develop a treatment plan for a patient with special needs.
3. Prepare the patient for oral/dental procedures.
4. Adapt oral/dental procedures to the needs of patients with disabilities.
5. Perform dental treatment for patients with mild to moderate disabilities.
6. Demonstrate preventive measures for maintaining oral and dental health in patients with special needs.
Competencies
1. Provide dental treatment for medically complex patients.

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| 2. Deliver dental care to patients with special oral/dental healthcare needs. |
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Course content

Seminars

	Topics – winter semester	Hours
1.	Dental care for hospitalized patients	2
2.	Dental care for outpatients with needs for special oral / dental health care	2
3.	Dental treatment under general anesthesia	1

1 hour = 45 minutes

Practicals

	Topics – winter semester	Hours
1.	Antibiotic prophylaxis before dental procedures (infective endocarditis, haemodialysis, joint prostheses, transplantation, diabetes, immunosuppression, osteonecrosis)	1
2.	Dental care for patients with autoimmune diseases; those receiving immunosuppressive or biological therapy	1
3.	Dental care for patients on anticoagulant and antiplatelet therapy	1
4.	Dental care for patients with haematological diseases, bleeding and coagulation disorders	1
5.	Dental treatment of patients with malignant diseases	1
6.	Dental treatment of high-risk cardiovascular patients	1
7.	Dental care for patients with kidney diseases; those on haemodialysis	1
8.	Dental care for patients with endocrine and metabolic disorders (diabetes, pregnancy)	1
9.	Dental preparation for transplantation; dental care for patients with transplanted solid organs or haematopoietic stem cells	1
10.	Dental care before head and neck radiotherapy; dental treatment of patients with head and neck cancer during and after radiotherapy	1
11.	Dental care for patients with dental anxiety and phobia	1
12.	Dental treatment of neurological and psychiatric patients	1
13.	Dental care for persons with disabilities	1
14.	Dental treatment under general anaesthesia	1
15.	Management of dental emergencies in hospitalised patients	1

1 hour = 45 minutes

Student obligations

Students are required to attend classes and complete the assigned tasks.

Student performance assessment

Student performance is monitored through class attendance and completion of assigned tasks.

A prerequisite for taking the final exam is attendance of at least 80% of seminars and special clinical practicals.

Mode of assessment/exam

Written and oral.

Dates of examinations

	Additional examination sessions.			Regular examination period – Winter	Additional examination sessions.		Regular examination period – Summer		Regular examination period – Fall	
	November	December	January	February	April	May	June	July	August	September
Date(s)				02.02.2026. 16.02.2026.		4.5.2025. 25.5.2026.	15.6.2026.	6.7.2026.	31.8.2026.	7.9.2026.

Required readings/

- Little JW, Miller CS, Rhodus NL, Falace DA, editors. *Little and Falace's Dental Management of the Medically Compromised Patient*. 10th ed. St Louis: Elsevier; 2025. Available from: <https://www.us.elsevierhealth.com/little-and-falaces-dental-management-of-the-medically-compromised-patient-9780323809450.html>

Additional recommended readings/literature

- Glick M, Greenberg MS, Lockhart PB, Challacombe SJ, editors. *Burket's Oral Medicine* [Internet]. 13th ed. Hoboken (NJ): Wiley-Blackwell; 2021. Available from: <https://www.wiley.com/en-us/Burket%27s+Oral+Medicine%2C+13th+Edition-p-9781119597742>
- Musbah TM, Miller CS. Clinician's Guide to Treatment of Medically Complex Dental Patients, 5th Ed. American Academy of Oral Medicine. 2018.
- Scully C, Dios PD, Kumar N. Special Care in Dentistry: Handbook of Oral Health Care. Edinburgh: Churchill Livingstone, 2007.
- Fiske J, Dickinson C, Boyle C, Rafique S, Burke M. Special care dentistry. Oxford: Quintessence Publishing, 2007
- Andabak Rogulj A, Lončar Brzak B, Vidović Juras D. Corticosteroids in Oral Medicine Practice. In: *Oral Health – Systemic and Public Health Approaches* [Internet]. London: IntechOpen; 2024. Available from: <https://doi.org/10.5772/intechopen.1007559>