

| | | | |
|---------------------|--------------------|----------------------|------------------|
| Dentistry (English) | | | |
| Bachelor | TR-NQF-HE: Level 6 | QF-EHEA: First Cycle | EQF-LLL: Level 6 |

Course Introduction and Application Information

| | | | |
|---|---|--|--|
| Course Code: | DENT002 | | |
| Course Name: | Pain Management in Dentistry | | |
| Semester: | Fall | | |
| Course Credits: | <div>ECTS</div> <div>2</div> | | |
| Language of instruction: | English | | |
| Course Condition: | | | |
| Does the Course Require Work Experience?: | No | | |
| Type of course: | Departmental Elective | | |
| Course Level: | <div> <div>Bachelor</div> <div>TR-NQF-HE:6. Master`s Degree</div> <div>QF-EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree</div> </div> | | |
| Mode of Delivery: | E-Learning | | |
| Course Coordinator: | Dr. Öğr. Üy. RİZA KEREM DEDEOĞLU | | |
| Course Lecturer(s): | Rıza Kerem Dedeoğlu | | |
| Course Assistants: | | | |

Course Objective and Content

| | |
|--------------------|---|
| Course Objectives: | The management of pain in dentistry encompasses a number of procedural issues, including the delivery of anesthetic and the management of postprocedural pain, as well as pain diagnosis, management strategies for orofacial conditions that cause pain in the face and head, and the management of pain in special populations. Given the extensive nature of the topic, this lesson aims to make understand pain definitions and mechanisms, acute versus chronic pain, and to focus on management strategies related to anesthetic delivery and the control of pain following |
|--------------------|---|

| | |
|-----------------|---|
| | dental procedures. |
| Course Content: | Definition of pain Pain transmission pathways and orofacial pain pathways Dental conditions that cause pain in dentistry Conditions causing orofacial pain and management strategies Anesthesia applications in pain control in dentistry Use of analgesic drugs in pain control in dentistry and postoperative pain control Relationship between pain and stress |

Learning Outcomes

The students who have succeeded in this course;

- 1) Learning to recognize, define and understand the mechanism of pain in oral and maxillofacial area
- 2) Learning all the related causes of orofacial pain
- 3) Learning to create and apply the appropriate treatment strategies according to the type of orofacial pain to control it successfully
- 4) Learning the pharmacologic agents which used to control orofacial pain
- 5) Learning how to select and use the appropriate pharmacologic agents to control orofacial pain
- 6) Learning how to use anesthetic applications to control orofacial pain and discomfort
- 7) Understanding the relationship between anxiety and orofacial pain

Course Flow Plan

| Week | Subject | Related Preparation |
|------|---|---------------------|
| 1) | DEFINITION OF PAIN, WHAT IS OROFACIAL PAIN? | - |
| 2) | CLASSIFICATION OF OROFACIAL PAIN | - |
| 3) | PRINCIPLES OF PAIN MANAGEMENT | - |
| 4) | METHODS OF PAIN CONTROL | - |
| 5) | METHODS OF PAIN CONTROL-II | - |
| 6) | ANALGESIC AGENTS-I | - |
| 7) | MIDTERM EXAM | - |
| 8) | ANALGESIC AGENTS-II | - |
| 9) | TRANSMISSION MECHANISM AND PATHWAYS OF OROFACIAL PAIN | - |
| 10) | LOCAL ANESTHESIA APPLICATIONS IN DENTISTRY-I | |
| 11) | LOCAL ANESTHESIA APPLICATIONS IN DENTISTRY-II | - |
| | | |

| | | |
|-----|--|---|
| 12) | SEDATION AND GENERAL ANESTHESIA IN DENTISTRY | - |
| 13) | THE RELATIONSHIP OF ANXIETY, STRESS AND PAIN | - |

Sources

| | |
|---------------------------|--|
| Course Notes / Textbooks: | <ul style="list-style-type: none"> - Pain Control in Dentistry: A Guide to Dental Pain Management John Duxbury · 1998 - Optimal Pain Management for the Dental Team Tara Renton · 2022 - Pain and Anxiety Control for the Conscious Dental Patient John G. Meechan, Nigel D. Robb, R. A. Seymour · 1998 - The Dentist's Drug and Prescription Guide Mea A. Weinberg, Stuart J. Froum, Stuart L. Segelnick · 2020 |
| References: | <ul style="list-style-type: none"> - Pain Control in Dentistry: A Guide to Dental Pain Management John Duxbury · 1998 - Optimal Pain Management for the Dental Team Tara Renton · 2022 - Pain and Anxiety Control for the Conscious Dental Patient John G. Meechan, Nigel D. Robb, R. A. Seymour · 1998 - The Dentist's Drug and Prescription Guide Mea A. Weinberg, Stuart J. Froum, Stuart L. Segelnick · 2020 |

Course - Program Learning Outcome Relationship

| Course Learning Outcomes | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Program Outcomes | | | | | | | |
| 1) Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice. | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry. | | | | | | | |
| 3) Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it. | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4) Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level. | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5) Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | | | |
|-----------|----------|-----------|-----------|
| No Effect | 1 Lowest | 2 Average | 3 Highest |
| | | | |

| | Program Outcomes | Level of Contribution |
|-----|---|-----------------------|
| 1) | Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice. | 2 |
| 2) | Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry. | |
| 3) | Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it. | 1 |
| 4) | Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level. | 1 |
| 5) | Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations. | 2 |
| 6) | Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms. | |
| 7) | Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach. | |
| 8) | Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices. | |
| 9) | By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice. | |
| 10) | During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data. | |
| 11) | Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities. | |
| 12) | In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society | |
| | | |

| | | |
|-----|--|---|
| 13) | Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes. | |
| 14) | Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority. | 2 |
| 15) | Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team. | |

Assessment & Grading

| Semester Requirements | Number of Activities | Level of Contribution |
|-----------------------------|----------------------|-----------------------|
| Midterms | 1 | % 40 |
| Final | 1 | % 60 |
| total | | % 100 |
| PERCENTAGE OF SEMESTER WORK | | % 40 |
| PERCENTAGE OF FINAL WORK | | % 60 |
| total | | % 100 |

Workload and ECTS Credit Calculation

| Activities | Number of Activities | Preparation for the Activity | Spent for the Activity Itself | Completing the Activity Requirements | Workload |
|-----------------------|----------------------|------------------------------|-------------------------------|--------------------------------------|-----------|
| Course Hours | 13 | 2 | 1 | | 39 |
| Midterms | 1 | 4 | 1 | | 5 |
| Final | 1 | 8 | 1 | | 9 |
| Total Workload | | | | | 53 |