

UNIVERSITY DIPLOMA IN PEDIATRIC DENTISTRY

Main Language of Instruction:

French ☐ English ☒ Arabic ☐

Campus Where the Program Is Offered: CSM

OBJECTIVES

This UD aims to provide high-level theoretical, practical, and clinical training in pediatric dentistry.

Participants will be able to:

- Acquire new skills in pediatric dentistry.
- Update their knowledge and develop an expert perspective on the dental management of children.

This program aims to enhance general practitioners' knowledge and enable them to gain additional expertise in pediatric dentistry.

THE UD IN PEDIATRIC DENTISTRY AIMS TO:

- Provide high-level theoretical, practical, and clinical training in pediatric dentistry.
- Enable participants to acquire advanced skills in the management of pediatric dental patients.
- Update and deepen knowledge in line with current best practices and evidence-based dentistry.
- Develop an expert approach to the prevention, diagnosis, and treatment of oral conditions in children.
- Strengthen the clinical competence of general practitioners and support their professional development in pediatric dentistry.

PROGRAM LEARNING OUTCOMES (COMPETENCIES)

- Develop individualized, evidence-based prevention and treatment plans.
- Diagnose developing malocclusions and identify cases requiring early, interceptive, or delayed orthodontic treatment.
- Evaluate indications and contraindications of commonly prescribed medications for pediatric patients in dental practice and calculate and prescribe appropriate drug dosages for children based on age, weight, and medical status.
- Formulate evidence-based interceptive treatment plans to manage developing malocclusions and functional disorders.
- Implement appropriate clinical management strategies for pediatric patients.

ADMISSION REQUIREMENTS

- Doctor of Dental Surgery (Practicing Doctorate)

PROGRAM REQUIREMENTS

12 Credits: Required Courses (12 credits)

Required Courses (12 Cr.)

Pediatric Dentistry Clinic (DU PEDO) (3 Cr.), Pediatric Dentistry for the General Practitioner 1 (2 Cr.), Pediatric Dentistry for the General Practitioner (Practical Work) (1 Cr.), Directed Work in Pediatric Dentistry 2 (DU) (1 Cr.), Pediatric Dentistry Clinic (Internship) (3 Cr.), Pediatric Dentistry for the General Practitioner 2 (1 Cr.), Directed Work in Pediatric Dentistry 2 (DU) (1 Cr.)

COURSE DESCRIPTION

003ODCLP1	Pediatric Dentistry Clinic (DU PEDO)	3 Cr.
This course aims to enable students to apply and integrate non-pharmacological and pharmacological behavior guidance techniques in accordance with current clinical guidelines and patient safety standards. A pediatric dentistry clinic in a teaching unit provides: - Clinical care for children - Training for dental students - Preventive and educational programs - Integration of digital technologies and emerging AI-assisted tools Students will also be able to: - Apply preventive clinical measures. - Evaluate psychological and developmental factors that influence child behavior in the dental setting. - Evaluate risk factors and the etiology of preventable oral diseases in children. - Interpret clinical and radiographic findings to establish differential diagnoses. - Perform a systematic assessment of a patient presenting with a dental emergency. - Interpret clinical and radiographic findings and radiographs in dental emergency situations. - Develop an appropriate differential diagnosis and implement immediate management. - Perform a systematic assessment of patients presenting with dental emergencies.		
003OPOMP1	Pediatric Dentistry for the General Practitioner 1	2 Cr.
By the end of this course, students will be able to discuss child psychology, conduct a general health assessment, and understand pharmacological pain and behavior management. Moreover, this course covers the most common procedures in pediatric dentistry. Key topics include: - Management of dental traumatology in children - Endodontics on permanent teeth - Patients with special needs and dental treatment - Children with medical problems and dental treatment - Classification of dental caries (ICDAS) - Growth and development: craniofacial - Cephalometric analysis - Space analysis - Dental anomalies		
003ODTPP1	Pediatric Dentistry for the General Practitioner (Practical Work)	1 Cr.
By the end of this course, the student will be able to: - Understand the growth and development of the child patient, including dental and craniofacial development. - Explain the etiology, diagnosis, prevention, and management of common pediatric oral diseases such as dental caries, pulpal diseases, and early childhood caries. - Recognize the indications and contraindications of pediatric dental treatments, including preventive and restorative care, pulp therapy, and space management. - Understand the principles of behavior management in the pediatric dental patient. - Maintain accurate clinical records and complete documentation. - Promote preventive dentistry and oral health education among children and their parents. - Recognize the importance of early dental visits and regular follow-up care.		
003ODTDP1	Directed Work in Pediatric Dentistry 2 (DU)	1 Cr.
By the end of this course, students will be able to analyze articles relating to their discipline according to the IMRAD method.		

003ODCLP2	Pediatric Dentistry Clinic (Internship)	3 Cr.
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This course aims to enable students to apply and integrate non-pharmacological and pharmacological behavior guidance techniques in accordance with current clinical guidelines and patient safety standards.

A pediatric dentistry clinic in a teaching unit provides:

- Clinical care for children
- Training for dental students
- Preventive and educational programs
- Integration of digital technologies and emerging AI-assisted tools
- Students will also be able to:
- Apply preventive clinical measures.
- Evaluate psychological and developmental factors that influence child behavior in the dental setting.
- Evaluate risk factors and the etiology of preventable oral diseases in children.
- Interpret clinical and radiographic findings to establish differential diagnoses.
- Perform a systematic assessment of a patient presenting with a dental emergency.
- Interpret clinical and radiographic findings and radiographs in dental emergency situations.
- Develop an appropriate differential diagnosis and implement immediate management.
- Perform a systematic assessment of patients presenting with dental emergencies.

003OPOMP2	Pediatric Dentistry for the General Practitioner 2	1 Cr.
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By the end of this course, the student will be able to specifically recognize the orofacial problems of children and describe how to treat them according to pre-established protocols.

003ODTDP2	Directed Work in Pediatric Dentistry 2 (DU)	1 Cr.
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By the end of this course, students will be able to analyze articles relating to their discipline according to the IMRAD method.