

Postgraduate Studies in Paediatric Dentistry

First year-	
Semester A: Rotation in anesthesiology	CH
1. Introduction to Paediatric Anaesthesiology (clinic)	
2. Pediatric dentistry for undergraduate students (lecture)	2
3. Airway Management and Support (clinic)	
4. Pulmonary function test and arterial blood gas analysis (clinic)	
5. Physics and clinical measurement (Behavior of gases and liquids, volumes, flows, pressures etc.) (clinic)	
6. Equipment and apparatus in anaesthesiology (clinic)	
7. Patient assessment (clinic)	
8. Electrocardiogram, and other methods assessing cardiovascular function (clinic)	
9. Drug monitoring (clinic)	
10. Applied cardiac and respiratory physiology (clinic)	
11. Minimum monitoring standards, and additional monitoring when appropriate (clinic)	
12. Routine inhalation and intravenous inductions (clinic)	
13. Application of mechanical ventilation (clinic)	
14. Correct use of anesthesia delivery systems (clinic)	
15. Application and interpretation of monitored variables (clinic)	
16. Applied pharmacology and variability in drug response (clinic)	
Semester B:	
1. Introduction to emergency in pediatric dentistry (clinic)	5
2. Pediatric dentistry for undergraduate students (lecture)	1
3. Introduction to behavior science and patient management (clinic)	4
4. Prevention of oral diseases in children and youths (clinic)	2
5. Introduction to dental trauma (clinic)	5
6. Critical reviews of manuscripts. Topics: Caries, Atraumatic restorative treatment - Minimal intervention - CPP- ACP and Community dentistry (seminar)	1
7. Behavior management (seminar)	1
8. Introduction to dental treatment of school- aged children (clinic)	3
9. Diagnosis ,treatment plan and dental treatment case oriented (clinic)	2
10. Embryology of the head (e-learning)	2
11. Community dentistry clinic (clinic)	5
12. Diagnosis, treatment planning and case presentation (seminar)	2
Summer semester:	
1. Emergency in pediatric dentistry (clinic)	5
2. Dental treatment and prevention in pre-school children (clinic)	2
3. Behavior science and patient management (clinic)	5
4. Dental treatment and prevention in school children (clinic)	2
5. Dental trauma (clinic)	5
6. Introduction to treatment under inhaled sedation (clinic)	2
7. Critical reviews of manuscripts. Topics: Fluorides, Sealants and Dental Materials (seminar)	1
8. A guide to sedation (Seminar)	1
9. Introduction to the treatment of medically compromised children (clinic)	3
10. Biostatistics (e-learning)	2
11. Behavior management technique in dental treatment of pre-school children (clinic)	5
12. Diagnosis, treatment planning and case presentation (seminar)	2

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Second year –	
Semester A:	
1. Introduction to dental treatment under conscious sedation (clinic)	5
2. Advanced Emergency in pediatric dentistry part 1 (clinic)	2
3. Guiding undergraduate students on treatment plans and treatment in pediatric dentistry (clinic)	5
4. Introduction to dental treatment under conscious sedation (clinic).	2
5. Introduction to dental treatment of children with special needs (clinic)	5
6. Advanced dental trauma part 1 (clinic)	2
7. Critical reviews of manuscripts. Topics: Radiology, Local Anesthesia, Child abuse and neglect and Infection Control (Seminar)	1
8. A guide to sedation (Seminar)	1
9. Dental treatment under inhaled sedation (I) (clinic)	3
10. Epidemiology (e-learning)	2
11. Introduction to dental treatment under deep sedation and general anesthesia (clinic)	5
12. Diagnosis, treatment planning and case presentation (seminar)	2
Semester B:	
1. Dental treatment of medically compromised children (clinic)	5
2. Dental treatment of children with special needs (clinic)	2
3. Assessment of plan treatment in pediatric dentistry (clinic)	5
4. Dental treatment under conscious sedation (clinic)	2
5. Introduction to baby clinic (clinic)	1
6. Multidisciplinary treatment of dental trauma (clinic)	4
7. Dental treatment under inhaled sedation (II) (clinic)	2
8. Critical reviews of manuscripts. Topics: ethics and dental pulp (seminar)	1
9. Dental traumatology (Seminar)	1
10. Advanced dental trauma part 2 (clinic)	3
11. Research methodology (e-learning)	2
12. Dental treatment of uncooperative dental patients (clinic)	5
13. Diagnosis, treatment planning and case presentation (seminar)	2
Summer semester:	
1. Introduction to hospital dentistry (clinic)	5
2. Advanced Dental treatment of Children with Special needs (clinic)	2
3. Dental treatment under conscious sedation (III) (clinic)	5
4. Advance dental treatment of medically compromised children (clinic)	2
5. Baby clinic (clinic)	2
6. Advances in multidisciplinary treatment of dental trauma (clinic)	3
7. Case- oriented treatment plans (clinic)	2
8. Critical reviews of manuscripts. Topics: Behavior Guidance, Sedation & General Anesthesia and Periodontal disease in children (Seminar)	1
9. Dental traumatology (Seminar)	1
10. Oral health of adolescents (clinic)	3
11. Dental materials (e-learning)	2
12. Dental treatment under general anesthesia (clinical)	5
13. Diagnosis, treatment planning and case presentation (Seminar)	2

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Third year –	
Semester A:	
1. Multidisciplinary treatment of advanced dental trauma (clinic)	5
2. Case- oriented treatment plans (clinic)	2
3. Oral health of adolescents (II) (clinic)	5
4. Introduction to cleft lip and palate (clinic)	2
5. Assessment of plan treatment in pediatric dentistry (clinic)	5
6. Advanced Baby clinic (clinic)	2
7. Critical reviews of manuscripts on Children with Special needs (seminar)	1
8. Fluorides in dentistry (seminar)	1
9. Advanced Emergency in pediatric dentistry part 2 (clinic)	3
10. Growth and development of the craniofacial skeleton (e-learning)	2
11. Advanced Dental treatment under conscious sedation (I) (clinic)	5
12. Diagnosis, treatment planning and case presentation (seminar)	2
Semester B:	
1. Comprehensive dental treatment for the medically compromised child (clinic)	5
2. Practice management (clinic)	2
3. Comprehensive dental treatment under conscious sedation (clinic)	5
4. Comprehensive dental treatment for toddlers (clinic)	2
5. Assessment of treatment plans in pediatric dentistry (clinic)	5
6. Comprehensive dental treatment for the oncologic child (clinic)	2
7. Critical reviews of manuscripts. Topics: Trauma to the Primary and the permanent teeth and Oral pathology (Seminar)	1
8. Fluorides in dentistry (Seminar)	1
9. Comprehensive dental treatment for adolescents (clinic)	3
10. Genetics (e-learning)	2
11. Advanced Dental treatment under conscious sedation (II) (clinic)	5
12. Diagnosis, treatment planning and case presentation (seminar)	2
Summer semester: Rotation in Orthodontics	
1. Craniofacial growth and development (seminar)	2
2. Cephalometric analysis (seminar)	2
3. Clinical cases in early orthodontic treatment (clinic)	3
4. Development of the occlusion (seminar)	2
5. Introduction to cleft lip and palate (seminar)	3
6. Cleft lip and palate (clinic)	5
7. Supervised case presentations preparation (research project)	3
8. Critical reviews of manuscripts from the reading list for third year student (seminar)	1
9. Preventive and interceptive orthodontics (clinic)	5
10. Personal case presentations preparation (research project)	3
11. Early orthodontic treatment (clinic)	5
12. Diagnosis, treatment planning and case presentation (Seminar)	2

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Fourth year-	
Semester A: Rotation in pediatrics	
1. Asthma, Anesthesia and Sedation in children (clinic)	5
2. Pediatric Genetics and the Prenatal Clinic (clinic)	2
3. Allergy and diseases of the immune System (clinic)	2
4. Pediatric Hematology& Oncology (clinic)	3
5. The Down Syndrome Treatment Center (clinic)	2
6. Assessment of dental treatment in pediatric dentistry (clinic)	5
7. Neurocognitive Center (clinic)	1
8. The Cystic Fibrosis Center (clinic)	1
9. Critical reviews of manuscripts from the reading list for Fourth year student (seminar)	1
10. Familial Dysautonomia Center (clinic)	1
11. Pediatric Pulmonology Clinic (clinic)	5
12. Pediatric Infectious Diseases Unit - AIDS center (clinic)	5
13. Diagnosis, treatment planning and case presentation (seminar)	2

Credit Hours = CH= 31