


Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

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| 4 credits | 35.0 h + 15.0 h | Q1 |
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| Teacher(s)                  | de Carvalho Joana Christina (coordinator) ;Fortpied Anne ;Theys Stéphanie ;  |
| Language :                  | French   |
| Place of the course         | Bruxelles Woluwe   |
| Main themes                 | 1. Clinical observation and radiological examination for the diagnosis of dental conditions in children and adolescents 2. Physiopathology of temporary teeth 3. Carious, pulpar, and pulpar-periodontal pathologies in temporary teeth 4. Pathologies of young permanent teeth 5. Prevention of dental caries, taking into account the patient's age 6. Dental anomalies in children, in terms of number, form, and structure 7. Pain control in young patients 8. Restorative and endodontic treatments of temporary and young permanent teeth 9. Minor surgery 10. Dental traumatism: their complications and treatments 11. Arch harmony: prevention and interception of malocclusions 12. Care management in the vigil state, under conscious sedation, and under general anaesthesia   |
| Aims                        | <p>To educate students on the entirety of dental pathologies and treatments particular to children and adolescents. Diagnosis and preventive, interceptive, and curative treatments. In the vigil state, under conscious sedation, and under general anaesthesia. At the completion of the course, the student should be able to: - Diagnose and treat carious and non-carious dental conditions in children and adolescents. - Establish a trusting relationship with the young patient and his parents, taking into account age and family, psychological, and medical histories. - Design a caries prevention program suitable for the child's age and motivate the child and his parents to implement it. - Apply pain control techniques during dental care and tooth extraction, taking into account the child's anatomical and psychological specificities. - Compensate for premature tooth loss in children and adolescents, and evaluate and prevent consequences for the growth and harmony of dental arches. - Manage dental traumatism in children and adolescents, as well as their consequences in the short-, medium-, and long-term.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p> |
| Content                     | Content The course evaluates the psychological and physiological particularities inherent to the general treatment of children and adolescents. The prevention, interception, and early treatment of dental conditions must harmonize with the child's growth and development conditions. Traumatology, the rehabilitation of young toothless patients, the struggle against multiple caries in young children, and the specificities of temporary, mixed, and young permanent teeth should lead to adapted therapeutic decisions that differ from those used in adults. Methods Lectures, with active student participation and clinical case presentation  |
| Bibliography                | <p><b>Support:</b></p> <ol style="list-style-type: none"> <li>Koch G, Poulsen S, Espelid I, Haubek D. Pediatric Dentistry: A Clinical Approach. WILEY Blackwell, 3rd ed. 2017.</li> <li>Naulin-Ifi C. Odontologie Pédiatrique Clinique. Editions CdP ed. 2011.</li> <li>Fejerskov O, Nyvad B and Kidd E. Dental Caries: the Disease and its Clinical Management. Oxford, Blackwell Munksgaard, 3rd ed. 2015.</li> <li>Carvalho JC, Mestrinho HD, Oliveira LS, Varjão MM, Aimée N, Qvist V. Validation of the Visible Occlusal Plaque Index (VOPI) in estimating caries lesion activity. J Dent 2017;64:37-44.</li> <li>Figuro E, Nobrega DF, Garc#a-Gargallo M, Tenuta LMA, Herrera D, Carvalho JC. Mechanical and chemical plaque control in the simultaneous management of gingivitis and caries: a systematic review. J Clin Periodontol 2017; 44 (Suppl. 18): S116–S134.</li> </ol>  |
| Other infos                 | Pre-requisites Familiarity with child and adolescent psychology, dental anatomy, arch growth and development (temporary, mixed, and young permanent teeth), dental bio-materials, and restorative dentistry Evaluation Written examination: evaluates theoretical knowledge and understanding of the course material Support Course notes, slides  |
| Faculty or entity in charge | MDEN   |

**Programmes containing this learning unit (UE)**

| Program title             | Acronym | Credits | Prerequisite | Aims  |
|---------------------------|---------|---------|--------------|---|
| Master [120] in Dentistry | DENT2M  | 4       |              |  |