



CFAO GRADUATE STUDENT POSTERBOARD ABSTRACTS

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Dental malocclusion among children with attention deficit and hyperactivity disorder (ADHD)

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Introduction: Although there are few studies on the prevalence of malocclusions in children with attention deficit and hyperactivity disorder (ADHD), the literature has shown that these patients may have more sleep-breathing problems and parafunctional oral habits. Therefore, it is important to assess the correlation between dental malocclusion and these functional disorders among ADHD patients. Objectives: To compare the severity of malocclusion in patients with ADHD and without ADHD, to determine the most common type of malocclusion in patients with ADHD and to evaluate the correlation between parafunctional oral habits, sleep-breathing disorders, medication and dental malocclusions among ADHD patients. Materials and Methods: This multicenter cross-sectional study will be carried out at the division of dentistry of the Montreal Children's Hospital and the orthodontic clinic of Université de Montréal. This study will consist of two groups: patients with ADHD (n = 42) and patients without ADHD (n = 42) as a control group. The use of medication, the presence of sleep-breathing disorder, parafunctional oral habits and dental malocclusion will be assessed by a medical questionnaire and an orthodontic examination. Expected Outcomes: The severity of malocclusion will be greater in patients with ADHD than in the control group and there will be a higher correlation between the presence of parafunctional oral habits, the use of medication to treat ADHD and the presence of malocclusion in ADHD patients than in the control group.