



CFAO GRADUATE STUDENT POSTERBOARD ABSTRACTS

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Impact of malocclusion on the prevalence of dental treatment need among underprivileged schoolchildren

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Abstract : The aim of this study was to investigate the association between malocclusion and dental treatment need (DTN), country of origin (CO) and immigration date (ID) among underprivileged schoolchildren and to explore the association between dental treatment need (DTN), country of origin and immigration date to Canada. Two hundred and seventy children aged 7-12 years old in a Montreal public school were enrolled in a cross-sectional study. Parents completed a structured questionnaire including demographic variables such as country of origin and immigration date. Malocclusion was scored using the Dental Aesthetic Index (DAI), and the presence of dental treatment need was recorded. Data analysis included T-Tests, Pearson Correlation, Anova test and Fisher's exact test. In our results no association was found between DTN and DAI ($p=0.179$). We found no association between ID and DAI ($p=0.989$). DAI was significantly higher in the children from Maghreb countries compared to Africa, Central America and Asia ($p=0.229$). No association was found between CO and DTN ($p=0.229$) neither ID and DTN ($p=0.817$).