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Oral health status of children with type 1 diabetes: A comparative study (Article)

Ismail, A.F.^{a,b}, McGrath, C.P.^c, Yiu, C.K.Y.^a  

^aPaediatric Dentistry and Orthodontics, Faculty of Dentistry, University of Hong Kong, Prince Philip Dental Hospital, Hong Kong, Hong Kong

^bKulliyah of Dentistry, International Islamic University Malaysia, Kuala Lumpur, Malaysia

^cDental Public Health, Faculty of Dentistry, University of Hong Kong, Prince Philip Dental Hospital, Hong Kong, Hong Kong

Abstract

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The aim of this study was to compare the oral health status of children with type 1 diabetes and healthy controls. This comparative study involved 64 children, 32 children with type 1 diabetes and 32 age- and gender-matched controls. Oral health examination was conducted using WHO criteria. Dental caries experience was recorded using DMFT/dmft index and periodontal parameters were assessed using plaque, gingivitis, gingival bleeding and calculus indexes. Dental caries and periodontal parameters between the two groups were compared using the Mann-Whitney U-test. Children with diabetes exhibited significantly greater plaque deposits ($p=0.01$) and a higher mean plaque index ($p<0.01$), when compared to healthy subjects. No significant difference in DMFT and dmft scores, mean bleeding index, calculus index and gingival index was found between the two groups. Children with type 1 diabetes had a poor oral health status with greater plaque accumulation than children without diabetes. © 2017 2017 Walter de Gruyter GmbH, Berlin/Boston.

Author keywords

[caries](#) [children](#) [oral health](#) [periodontal health](#) [type 1 diabetes](#)

Indexed keywords

EMTREE medical terms:

[Article](#) [calculus index](#) [child](#) [clinical article](#) [comparative study](#) [controlled study](#) [dental caries](#) [dental health](#) [DMFT index](#) [female](#) [gingiva bleeding](#) [gingival bleeding index](#) [gingival index](#) [gingivitis](#) [Hong Kong](#) [human](#) [insulin dependent diabetes mellitus](#) [male](#) [periodontal disease assessment](#) [plaque index](#) [tooth calculus](#) [tooth plaque](#)

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