

Oral Health Status among Medically Compromised Children in Riyadh City, Saudi Arabia (case-control study)

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Abstract

Background: The perceived need for dental care for children with special healthcare needs (CSHCN) exceeds the need for either preventive or specialty medical care.

Objective: To assess the oral health status among hospitalized and non-hospitalized children with SHCN in Riyadh, Kingdom of Saudi Arabia

Method: This case - control study assessed the oral health status in SHCN children by measuring the prevalence of DMFT, def., GI, PI, and oral lesions and relates it to hospitalization. the sample size is 300 participants aged 2-18 years old were divided into 150 hospitalized children, and 150 non-hospitalized children from several governmental and private hospitals in Riyadh. Oral examination was done after receiving consent from the legal guardians who were interviewed using the self-administered 28 item questionnaire assessing demographics, hospitalization characteristics, oral hygiene practices, dental visits, dietary behaviors, medical conditions, medication use and self-reported recurrent pathos stomatitis. Chi square test was used to compare the incidence of dental, periodontal diseases and oral lesions to hospitalization.

Results: Caries was present more in controls (non hospitalized) than cases (hospitalized). Moderate gingivitis was more prevalent in cases; however, mild gingivitis was more prevalent in controls. Plaque scores were found to be better in cases than controls, controls showed poor plaque scores.

Conclusion: The prevalence of dental caries and plaque accumulation were significantly poorer in non-hospitalized children compared to hospitalized patients. Whereas, gingival health was shown to be more deteriorated in hospitalized children in Riyadh city.

competitions eg, best veneer prep in a workshop and best PFM prep in the Central region of the country.

[43rd International Conference on Dental Research and Oral Health 2020](#); Webinar, October 26-27, 2020.

Abstract Citation:

Oral Health Status among Medically Compromised Children in Riyadh City, Saudi Arabia (case-control study) Dental Research and Oral Health 2020, 43rd International Conference on Dental Research and Oral Health 2020 Webinar , October 26-27, 2020.

(<https://dentalresearch.dentalcongress.com/abstract/2020/oral-health-status-among-medically-compromised-children-in-riyadh-city-saudi-arabia-case-control-study>)



Biography:

Ghadah is graduating in 2020 at the age of 25 years from King Saud bin Abdulaziz University for health sciences with DMD certification and GPA of 4.71. She is a dental intern who is enthusiastic about improving her in multiple fields regarding her studies, has attended multiple dental workshops and conferences and she has been awarded in multiple dental