A Survey on Oral Health Condition in Primary School Children

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Abstract

This Study was carried out to evaluate the dental health condition in primary school going children (Class iii to class v) age group in 8 to 12 years, in the school named Mugdha high school in Dhaka City. This cross sectional study was carried out during the month of July 2009. Data was collected by pre-set questionnaire of 183 students.

The following observations were made when the results were compared between:

1. Total Number of decaied, caries or missing teeth found in the children mouth involving only in Permanent teeth.

2. Total Number of decaied, caries or missing teeth found in the individuals mouth. involving only in deciduous teeth.

From this analysis we found the actual statistical analysis of oral health condition of the patients teeth in between the age of 8 to 12 years. And also impact of tooth brushing and contributing factors that results decay of the teeth and destruction of gingival tissue.

Introduction

Dental disease is very common in our country. Caries, gingivitis and periodontitis are the common dental disease. Lac of awareness about the dental disease and proper treatment facilities are the main cause of poor dental condition. Improper tooth brushing among the child age group and poor socio-economic status are the main cause of developing dental disease commonly in rural or in urban area also. Streptococcus and Staphylococcus species both anaerobic and aerobic species are found in the cases of dental disease. Oral health is a state of the oral and related tissue and structures that contributes positively to physical, mental and social well being and the enjoyments of life's possibilities by allowing the individual to speak, eat and socialize unhindered by pain, discomfort or embarrassment. Oral health is essential for general health:Total decayed (D), Missing (M) and filled (F) Teeth (T) indicates DMFT index. According to child age group DMFT in permanent teeth indicates DMFT 1.05 and in case of deciduous teeth the dmft index 1.72. This index shows very poor oral health condition and need to grow awareness among the primary school children to take care about their teeth and gum by avoiding stickly and sweet food along with proper tooth brushing twice a day.

Materials and Methods:

It was a cross-sectional type of study carried out among 183 students in the Mugdha High school of class iii, iv, & v students age group between 8 to 12 yrs under the department of Dental Public Health of Update Dental College hospital. This study was carried out in 4th July 2009. Consent was taken from the Head master of the school and guardians of the study objects. Oral history was taken and through clinical examination were performed for all the students of above mentioned classes. The investigations were done by probing, nacked eye examination, perio-probing, purcussion of teeth, checking mobility of the teeth, gum bleeding etc.

Results:

Out of 183 students 42 students were in age group 8, 38 were in age group 9, 32 were in age group 10, 35 were in age group 11,36 were in age group 12. Among them 92 were male students and 91 were female. Residential status all were urban. Family size were average 3 to 6 person in each students. Most of them are medium and rest of them were low socio-economic status. Most of the students brushed their teeth once a day specially before they took breakfast. Most of the students use tooth paste and brush & a few student use dentifrice to clean their teeth. Some of the students visited to a dentist one or once or twice in their life time and most of them never visited to dentist for dental check up purpose.
DMFT index of deciduous teeth is higher than that of the permanent teeth. The dmft index for deciduous teeth is 1.72. In case of gingival status, it was found in the survey among the students of 8-12 years of age group normal gingival status was 57.38% and abnormal was 42.62%.

This study showed that dental disease like caries and periodontitis was a multifactorial disease. The ignorance, food habit, brushing technique, in adequate practice of oral hygiene are the main contributory factors for dental disease. Because dental disease was a multifactorial disease, so single technique would not be sufficient to prevent the dental disease.

Dental treatment is not so difficult but proper treatment facilities is not available all over the country. So, simple preventive measure should be taken to maintaining good dental health as for example, maintainance of proper brushing techniques and use of tooth brush and paste and brushing the teeth twice daily. And eating of less sticky food and avoidance of suger containing food as far as possible and ringing of the mouth properly after taking sweet food is benificial for patient. Vitamin 'C' containing sour food and calcium containing food is helpful for prevention of dental disease.

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