



MAHATMA GANDHI MISSION'S DENTAL COLLEGE & HOSPITAL

Accredited by NAAC with "A++" Grade
Plot No. 1 & 2 Sector-01 (Old 18 & 19),
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AWARENESS ABOUT SPREAD OF DENTAL CARIES AT ROYAL INTERNATIONAL PRE-PRIMARY SCHOOL DOMBIVLI

Date: 3rd September 2024 **Venue:** Royal International Pre-Primary School Dombivli

Faculty: Dr Swati Singh, Dr. Prachiti Terni

Organizing Agency: Department of Public Health Dentistry, MGMDCH, NSS Unit MGMDCH

Number of Students attended: 7

Dental caries is considered, the most common ignored chronic disease among children. About 40% of preschool children have dental caries by 5 years age. It is a multifactorial disease and amongst all known risk factors for caries, dietary causes are the most important especially, high sugary and starchy food, popular colas and sugar filled fizzy drink and a high number of cariogenic microorganisms such as Streptococcus mutans, lactobacillus- that metabolize sugars to produce acid which, over time, demineralizes tooth structure. MGM Dental College constantly takes efforts of extending the oral health care to the community. The oral care initiative was also extended to students at Royal International Pre-Primary school Dombivli with the intention of creating awareness about the importance of maintaining oral health which is related to general health.

Aim and objective:

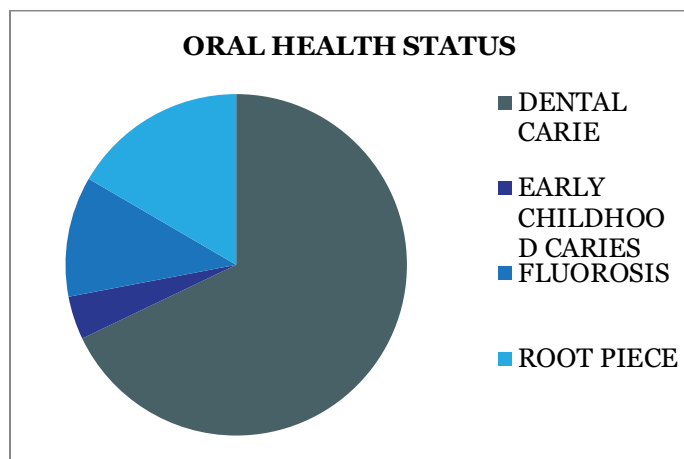
1. To assess the oral health status of students and to provide necessary Dental treatment.
2. To find out prevalence of dental caries among students of Royal International School Dombivli.
3. To assess the relation between good nutrition and oral health.
4. To assess knowledge students have about dental caries and oral health.

Method:

Dental caries is classified into various types based on parameters such as site of caries, extent, duration, progression, tissue involvement, pathway of spread, number of teeth etc. G. V Black classified dental caries based on the type of tooth affected. It is important to assess caries in such a state as it is easy to reverse the process and prevent further destruction of tooth structure which leads to extensive treatments like root canal treatment, extraction and artificial replacement of tooth. Students were educated about oral health and how a poor oral hygiene leads to dental caries and other dental problems. Oral examination was carried out with the use of tongue depressor in day light. All the students were assessed for oral health status and were explained the need to get the problems corrected. The students were made aware of the existing dental problems and why it's important to maintain oral health.

Observations:

A total of 483 students were examined for various dental problems. Those requiring extensive treatment were referred to MGM Dental College and Hospital, Kamothe.



Condition	No. of individuals	Percentage %
Dental caries	328	67.9
Early Childhood Caries	20	4.1
Fluorosis	55	11.4
Root Piece	80	16.6

Interpretation and conclusion:

1. Dental caries is the most common problem among the students of Royal International Pre-Primary School Dombivli which can be reduced by educating them regarding nutrition and proper brushing technique.
2. Oral health education and prevention strategies should be implemented in order to reduce the disease burden among these students. Majority of the oral diseases are due to lack of proper health education of the students and insufficient dietary intake.
3. The various nutritional food items were informed to the children and their positive benefits were explained to them.



Investigation done by team members

List of Attendees

Name of Staff	
1.	Dr. Swati Singh
2.	Dr.Prachiti Terni
Name of Interns& Students	
1.	AnushkaShetye
2.	UmainaKhatib
3.	MuskanDhanse
4.	SaniyaMandlekar
5.	Rajnandini Singh
6.	ChaitanyaVerulkar
7.	ShivenDaryanani