



MAHATMA GANDHI MISSION'S DENTAL COLLEGE & HOSPITAL

Accredited by NAAC with "A++" Grade
Plot No. 1 & 2 Sector-01 (Old 18 & 19),
Kamothe, Navi Mumbai- 410209
E-Mail ID: mgmdch@mgmmumbai.ac.in



IMPORTANCE OF PIT & FISSURE SEALANT APPLICATION IN CHILDREN THANE NAKA SCHOOL, WAVANJE VILLAGE

Date: 27th June 2024

Venue: Thane Naka School, Wavanje Village

Faculty: Dr. Kashmira Kadam, Dr. Neeraj Kolge

Organizing Agency: Department Of Public Health Dentistry, MGMDCH; NSS Unit, MGMDCH; Hindalco Industries Ltd

Number of Students attended:4

Pit and fissure sealants are a safe and painless way to protect teeth from decay by forming a physical barrier that stops food and bacteria from getting into the grooves and pits of teeth. They are applied to the biting surfaces of the molars and premolars, which have the most pits and fissures. MGM Dental College constantly takes efforts of extending the oral health care to the community. The oral care initiative was also extended to patients at Thane Naka School with the intention of creating awareness about the importance of nutrition in maintenance of good oral hygiene.

Aim and objective:

1. To assess the oral health status of patients and to provide necessary Dental treatment.
2. To educate them and create awareness about importance of nutrition in maintaining good oral hygiene.

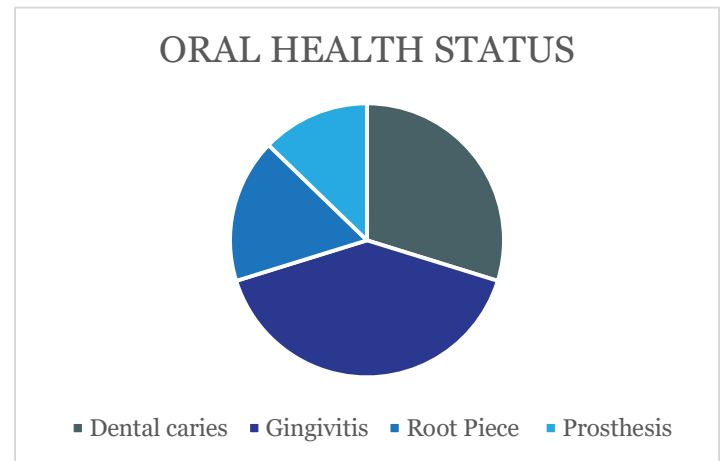
Method:

The use of pit and fissure sealants provides a physical barrier that inhibits microorganisms and food particle accumulation, preventing caries initiation and arresting caries progression. Permanent first molars, followed by second molars, show the highest prevalence of caries. The management of occlusal caries on permanent molars represents a significant challenge because the onset of caries occurs soon after they erupt into the oral cavity. The effectiveness of pit and fissure sealants depends on their long-term retention. A type III examination was carried out with the use of mouth mirror and probe in day light. All the patients were assessed for oral health status and were explained the need to get the problems corrected. The patients were made aware of the existing dental problems and how important it is to get them treated.

Observations: A total of 32 patients were examined for various dental problems. Those requiring extensive treatment were referred to MGM Dental College and Hospital, Kamothe.

Oral health status:

Condition	No. of individuals	Percentage %
Dental caries	9	28
Gingivitis	12	38
Root piece	7	22
Prosthesis	4	12



Interpretation and conclusion:

1. Dental caries and gingivitis are the most common problem among the patients which can be reduced by utilizing proper and prompt treatment
2. Oral health education and prevention strategies should be implemented in order to reduce the disease burden among these patients. Majority of the oral diseases are due to lack of proper health education of the patient.
3. Pit and fissure and its importance in preventing further dental caries were explained to the patient.



TEAM MEMBERS AT THE CAMP SITE

List of Attendees

Name of Staff	
1.	Dr. Karishma Kadam
2.	Dr. Niraj Kolge
Name of Interns	
3.	Tejal Rane
4.	Vishal Obhan
5.	Sangeeta Sharma
6.	Karuna Mishra