



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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THE ROLE OF FLUORIDE IN STRENGTHENING TEETH AT TALOJA MIDC

Date: 23rd June 2025

Venue: TBR Camp Taloja MIDC

Faculty: Dr. Vaibhav Thakkar, Dr. Pankaj Londhe

Organizing Agency: Department of public health dentistry MGMDCH, NSS unit of MGMDCH; The Breakfast Revolution, Decimal foundation

Number of Students attended: 4

Fluoride plays a crucial role in dental health by strengthening tooth enamel, making it more resistant to acid attacks from bacteria that cause cavities. It also helps in demineralizing early tooth decay and inhibiting the growth of bacteria that lead to plaque formation. MGM Dental College constantly takes efforts of extending the oral health care to the community. The oral care initiative was also extended to the children at SIES with the intention of providing proper oral health care to the patients.

Aim and Objective:

1. To create awareness about the significance of fluoride in maintaining good oral health.
2. To educate children on the proper fluoride application

Method:

Here's a more detailed explanation:

1. Strengthening Tooth Enamel:

- Fluoride incorporates into the tooth enamel, particularly during tooth development, making it more resistant to acids produced by bacteria in the mouth.
- This process, known as remineralization, helps repair early stages of tooth decay.

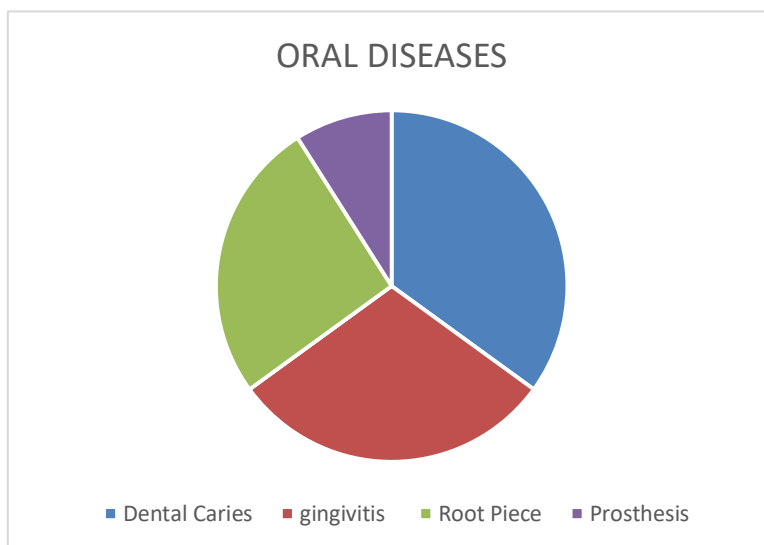
2. Preventing Cavities:

- By strengthening the enamel and inhibiting bacterial growth, fluoride helps prevent the formation of cavities.

- Fluoride can be found in various sources like drinking water, toothpaste, mouthwash, and professional fluoride treatments.

ORAL HEALTH STATUS:

Sr. no.	Oral diseases	No. Of patients	Percentage %
1.	Dental Caries	73	35
2.	Gingivitis	62	30
3	Root piece	54	26
4.	Prosthesis	19	9



Observations: A total of 208 patients were examined for various dental problems. Those requiring extensive treatment were referred to MGM Dental College and Hospital, Kamothe

Interpretation and Conclusion:

- Fluoride is generally safe when used as directed.
- It's crucial to supervise children's tooth brushing with fluoride toothpaste and ensure they don't swallow excessive amounts.
- Public health officials monitor fluoride levels in drinking water to ensure optimal levels for dental health and minimize the risk of fluorosis (excess fluoride).



ORAL SCREENING DONE AT THE CAMP SITE

LIST OF ATTENDEES

Sr.no.	Attendees
Name of staff	
1.	Dr. Vaibhav Thakkar
2.	Dr. Pankaj Londhe
Name of Interns & Students	
3.	Khadija Javed
4.	Ishika Shetty
5.	Karishma Bhanushali
6.	Jupneet Kaur