

A revealing exploration of mouth care product availed globally.

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ABSTRACT:-

Mouth care product availed globally are used to clean the teeth, freshen the breath and maintain good oral hygiene. The rise in problems regarding oral health has helped vendors to introduce various oral hygiene product categories such as Toothpaste, Toothbrush, Mouthwash, tongue scraper, dental floss and mouth fresheners. These oral care products are used to prevent infectious disease by removing the food particles and plaque, provide fresh breath. Some products also used for teeth whitening such as teeth-whitening toothpastes. The functionality of whitening toothpaste is different from ordinary toothpastes. Toothbrushing is one of the most common performed oral hygiene behavior, for these various forms of toothbrush are available such as Soft, hard, medium, different designs of toothbrush available for children and also newly developed power or electrical toothbrushes are also use for proper cleaning. Mouthwash is also one of the oral care product available in the market for reducing the risk of gingivitis, plaque and dental caries. flossing is also one of the important oral hygiene habit for which various dental floss are there in the market for removing plaque between the teeth. In our review we also focused on Mouth fresheners which provides refreshing action in the mouth, for these various mint containing products such as spearmint candy, mint strips, and mint mouth spray. All the products available globally are provide best oral health.

KEYWORDS :-oral care product, oral hygiene, plaque, gingivitis, dental caries, periodontal disease, xerostomia.

INTRODUCTION :-

Our Oral health Can affect our overall health or the problems or any other diseases in our mouth can be harmful for the rest of our body. Same as that of other areas of the body, our mouth also teems with many bacterias in which some are harmful and some are mostly harmless. mouth is the starting point of digestive and respiratory tracts, and some of these bacteria can cause different kinds of disease. [1] A clean or fresh mouth and

proper functioning teeth, disease free mouth are important for overall health. According to the Research of oral cares indicate that a clean mouth prevents pneumonia, gum disease, and help to prevent heart diseases. Oral care products helps in prevention of infection and infectious disease in the mouth by eliminating food particles and plaque which helps in stimulating the circulations to the gums. Mouth care products also eliminate the bad tastes in the mouth, because of that the food is more appetizing and it prevents halitosis (bad breath). Oral care products are used to clean the oral cavity, prevent from periodontitis and gingivitis, maintain good oral hygiene and freshen the breath. Due to the growth of dental care industries day by day, many types of Mouth care products are available in the market which includes toothbrush, toothpaste, mouthwash, floss, and whitening agents but the most widely and most commonly used oral care products are the toothbrush and toothpaste and they are easily available [2]. Tooth cleaning or taking care of mouth has been an integral part of oral hygiene routine in many cultures around the world from the ancient past. Dental plaque is the primary factor which causes dental caries, gingivitis, and periodontitis.[30] Good oral hygiene by effective or better tooth brushing by suitable toothbrush has a important role in oral health with the prevention of oral diseases [3]. Mouthwash is also one of the useful mouth care product helps in reducing the risk of dental plaque, gingivitis and dental caries. Tooth brush is used for brushing the tooth and it is the basic technique and daily routine to prevent Major oral diseases like dental caries and periodontal disease. The Tongue cleaner or scraper, toothbrush and dental floss are design in specific Or interesting manner and there design has impact on efficacy of tongue scraping, tooth brushing and dental flossing, particularly in areas that have been more difficult to clean. The increase in problems regarding oral health has helped vendors to introduce various oral hygiene product categories such as Toothpaste, Toothbrush, Mouthwash, tongue scraper, dental floss and mouth

fresheners. These different different oral care products are helpful in preventing infection infectious disease by eliminating the food particles and plaque , provide fresh breath. But the most common product are toothbrush and toothpaste Which are which is easily available in the market and used by people in their daily routine. Toothpaste and mouthwash provide some kinds of refreshing action in the mouth but for refreshing action there is special types of products are available in the market for refreshing puprose only such as mouth freshener which are available in the form of mouth spray ,mint candies and mint strips.

TOOTHBRUSH :-

Tooth cleaning or taking care of mouth has been an integral part of oral hygiene routine in many cultures around the world from the ancient past. Oral hygiene practices involved daily removal of dental plaque and debris by the toothbrushing with the help of brush without causing any injuries to soft tissue. Toothbrushes are the most commonly and widely used oral hygiene products. It is generally used principle instrument for plaque control. Dental plaque is the primary causal factor in dental caries, gingivitis, and periodontitis. The important role in oral health with prevention of periodontal disease and caries is the good oral hygiene by cleaning with effective toothbrush. [4]

The advantages and benefits of Toothbrushing is plaque-control measures include the opportunity to maintain a functional teeth and good oral hygiene , a reduced risk of periodontal attachment loss, development of esthetic values such as appearance and freshness of breath, and also a reduction in the risk of complex, Unsuitable

and costly dental care. The toothbrushing by manuel or electric toothbrush combined with interdental cleaning included in the oral health status of individuals[5].

Most commonly recommended and performed oral hygiene behaviour is toothbrushing .[6] It is considered a primary mechanical means of removing substantial amounts of plaque in order to prevent oral disease,including gingivitis and dental caries, while also maintaining dental aesthetics and preventing halitosis[7]. The mechanical removal of plaque control is the primary mechanism of action of tooth brushing. An ideal toothbrush design is specified as being user-friendly. Remove the plaque effectively and has no deleterious soft tissue and hard tissue effect.

It is believed that the design of toothbrush has impact on efficacy of toothbrushing , particularly in areas that have traditionally been more difficult to clean, such as the lingual, interproximal, and posterior surfaces[8].the children use toothbrush with small size and soft filaments while adults Usually used a toothbrush with a small- to medium-sized head with soft to medium filaments that is nothing but bristal.[33] These filaments must be consist of nylon and should be round ended. Brushing your teeth last thing at night and one other time during day is important, with the fluoride containing toothpaste.

If we consume sugar and acid containing foods, it can naturally Weakens the enamel on our teeth . Do not brush your teeth straight afterwards ,it can cause tiny particles of enamel to be brushed away. It is best do not brush your teeth after eating until atleast one hour.[34]



CHILDREN TOOTHBRUSHE :-

It is important for children to brush properly with the use of correct toothbrush. A

toothbrush with small-head and with soft nylon bristles are suitable for Small age child. There are many different designs of toothbrushes are

available for children that help encourage them to brush . The newly developed power toothbrushes are also there that have been specially designed for children to use them for brushing easily. Children which are under the age of 7 should be supervised properly during brushing With power toothbrushes. The lack of interest or poor brushing techniques and lack of motivation , thes kinds of problems in children are overcome by the use of power toothbrushes by increase the interest Of experience of toothbrushing and toothbrushing techniques. Some power toothbrushes have Greater ability to removal plaque as Well as have more Benefits than Manuel toothbrush. [9]

POWER OR ELECTRIC TOOTHBRUSH :-

Instead of Manuel toothbrush some people prefer the use of power toothbrush . If accurate or fine cleaning of teeth is difficult or if u have less movement in that case electrical toothbrushes are specially useful.[38] The heads of these toothbrushes are either rotate and pulsate, or oscillate. Some types of power toothbrush are rechargeable and some are thrown away when there battery runs down. Power toothbrushes are easily available on local pharmacy, retailer or it can be provide by dental team.

Rotating and oscillating head power toothbrushes are proven to be more effective than other power toothbrushes. For Completing brush in correct or Proper timing ,there are timers built in the power toothbrushes are also available.[31]

TYPES OF POWER TOOTHBRUSH :-

Design	Mode of action
Lateral motion	Brush head action that moves laterally from side to side.
Counter oscillation	Adjacent tufts , conatining between 6 ans 8 filaments, rotate in one direction and then Counter -rotate With adjascent tufts moving in opposite direction.
Rotational oscillation	The whole brush head rotates in one direction followed by Other.
Circular	The whole brush Head rotates in one direction.
Ultrasonic	The toothbrush Filaments vibrate at ultrasonic frequency.
Ionic	An electirc current is aplied to the filaments during toothbrushing and ulters the charge polarity of the tooth and results in attraction of dental plaque towards the filaments and away from the tooth. No automated action is provided.

[10]



ELECTRIC TOOTHBRUSHE

TOOTHPASTE :-

A toothpaste or dentrifice is one of the mouth care product used with a toothbrush for purpose of cleaning teeth surface. Toothpaste is used for removal of stains, for cleaning, for reducing the chances of tooth decay and reduction in risk of oral microbes. Toothpastes are the most complex Oral care product. Generally our teeth are

made up of three layers structure. Teeth and gum problems can occur if these three layer affected by damage, but the enamel, the outer layer, is the most important because damage to these may cause tooth decay, and this decay can be prevented by the proper use of toothpaste.

During brushing with use of toothpaste, slurry of toothpaste will be formed with the

mechanical aid of the toothbrush and with saliva as the medium of slurry. Formation of slurry will not only aid in the distribution of active ingredient in the mouth cavity, it will also lower the concentration of toothpaste, If more diluted the slurry then lower will be the concentration. however, slurry pH may alter by saliva due to increase its temperature, its buffering capacity and allow the components of saliva to react with excipients of toothpaste.[11]

Though all the types of toothpaste which are available globally has a slightly different kinds of make-up, most of them contain similar ingredients that play an important role in keeping our teeth healthy and clean, provide fresh breath. The Toothpaste effectively polish the teeth, helps in the remove and dissolve stains and removal of plaque. The formation of foam in toothpaste are due to the presence of detergent, which helps in eliminating food particle and plaque.

It also feels pretty fresh to the gums. Growth of bacteria and other microorganisms can be prevented by preservatives. The texture of the toothpaste is given by Humectants and thickeners such as cellulose gum. They help the paste to stay on the brush and retain moisture. taste and color in the toothpaste are given by flavouring and coloring agents.

There are too many toothpastes which contain fluoride. While fluoride is naturally found in drinking water, Soil and rocks, It can be formulated chemically and it is main ingredient in toothpaste. fluoride makes the teeth stronger and also prevent cavities, it can also help reverse early decay of tooth. When acid weakened the tooth enamel then fluoride enhance a chemical reaction that replaces minerals, such as phosphate and calcium, for strengthening of the enamel. This also makes it more resistant to acid attack in the future.[12]



DIFFERENT TYPES OF TOOTHPASTE:-

Anti-caries/ cavity protection toothpastes : It protect tooth from cavities and tooth decay because it contains flouride which stop decalcification of tooth enamel.

Gingivitis and plaque prevention toothpastes : This toothpastes areantibacterial and prevent the dental plaque formation.

Tooth whitening toothpastes : This toothpastes have either higher value of abrasion than the normal toothpastes to mechanically

remove stains of food, smoking and other stains from teeth.[25]

Sensitivity toothpastes : It contain desensitizing agent which relieve tooth sensitivity problems by closing the dentinal tubules.

Tartar control toothpastes : It can reduce the buildup of new tartar.

Fresh breath toothpastes : It is flavouring agent containing toothpaste which enhance the flavors and provide fresh breath along with antibacterial effect to fight halitosis.[26]



TOOTHPOWDER :-

Tooth powder is nothing but powdered toothpaste. It is a mildly abrasive powder which is used in combination with toothbrush to maintain good oral hygiene. Tooth powder contains the similar ingredients as that of toothpaste but should have been dried and mixed to form a powder form. Some tooth powders are reshaped into tablets for preventing less mess. Both tooth powder and toothpaste can have more types of flavors like mint, similar surfactant like sodium laurel sulfate, and abrasives like silica.[37] These all the ingredients combined together to provide plaque removing and breath freshness effect.

There are lot of tooth powders Contain fluoride too. Fluoride helps in strengthening of teeth and protects them from tooth decay. For using the tooth powder, run the toothbrush's bristles under water and tooth powder is shaken over the bristles. Once it forms small amount of powder

coating over the bristles then brush the teeth as usual.

TYPES OF TOOTH POWDER :-

Whitening toothpowder :- Whitening tooth powder can **whiten** and **polish** the teeth. It also helps in healing of gums and reduce the inflammation in the mouth and freshen the breath.

Natural toothpowder :- natural toothpowder contains natural ingredients like **sea salt**, which act as a abrasive, **natural Chalk**, and some **essential oils** like peppermint, wintergreen and eucalyptus are common ingredients in this tooth powder.

Herbal toothpowder :- This powder has been used around for centuries and many peoples believe it to be an essential part of any teeth-cleaning. **Sore or bleeding gums** also has benefit from herbal tooth powder. This toothpowder contain variety of ingredients like **powder Chalk**, **white clay** and **baking soda** are common.[27]



DIFFERENCE BETWEEN TOOTHPASTE AND TOOTHPOWDER :-

There are little differences between toothpowder and toothpaste. Toothpaste contains humectants and thickeners, which keep toothpaste consistently moist and smooth. Tooth powders are

must be dry, so they do not contain humectants. different types of brand available for toothpowder in which some brand contain clay, charcoal, herbs, or also contain other natural ingredients to for removal of stain or whitening of teeth [13].

INGREDIENTS USED IN TOOTHPASTES AND TOOTHPOWDER :-

Constituents	Purpose	Example	Powder	Paste/gel
Abrasives	Cleaning / stain removal	Calcium carbonate, calcium phosphate, hydrated alumina, hydrated silica, aluminum oxide.	90-98%	20-40%
Binders	Hold the ingredients together / prevent separation	Carboxy methyl Cellulose, gums, alginate	0	3%
Surfactant/detergents	Foam builder / reduce surface tension	Sodium lauryl sulphate (SLS), sodium L-lauryl	1-6%	1-2%
Humectant	Prevent loss of water and provide creamy texture	sorbitol, glycerin	0	20-35%
Flavors and seeeteners	Improve the taste	Flavors :- menthol, peppermint, wintergreen, cinaamon. Sweeteners :- sodium saccharin, sorbitol, mannitol, xylitol.	1-2%	1-2%
Fluorides	Anticariogenic reduce caries	Sodium fluoride, Stannus fluoride	0	0.0-1%
Tartar control agents	Inhibit calculus formation	Triclosan, Disodium pyrophosphosphate, tetrasodium pyrophosphate, tetrapotassium pyrophosphate.	0	0-1%
Water	Solvent		0	15-25%
Desensitizing agent	Reduce hypersensitivity	Potassium nitrate, stronlium chloride	0	0-5%
Colorants	Make opaque/ transparent	Food colorants, titanium dioxide	1-2%	1-2%
Preservatives	Prevent the growth of microorganisms.	Sodium benzoate, alcohol	<1%	<1%

MOUTHWASH :-

There are various types of mouthwash availed globally which kills germs in the mouth that causes bad breath, it also helps to prevent the gum disease like **gingivitis** which is the gums inflammation and **periodontitis** which is infection and inflammation of bones and ligaments that supports the teeth.

Mouthwashes is nothing but concentrated clear solution with a pleasant test which is used to deodorise and clean the buccal cavity or mouth. mouthwash used as antiseptic or antibacterial, astringent and it gives cooling and refreshing action.[28] Mouthwashe contain antibacterial agent such as alcohol, glycerin, and sweetening, flavoring and coloring agents. Mouthwash are also

used in oral mucus disease to treat oral infections and to maintain good oral hygiene.

TYPES OF MOUTHWASH :-

Flouride mouthwash :- fluoride mouthwashes contains salt which helps to protect the teeth from cavities . It is advisable to require clear when using this type of mouthwash since intake of an ecstasy amount of fluoride isn't good for your overall health.

Antiseptic mouthwash :- This mouthwash mainly contains alcohol and is typically used by people suffering from mouth infection to stop the growth

of bacteria. this is also helpful for people who has helistosis.

Cosmetic mouthwash :- cosmetic mouthwash is used to only freshen your breath and to mask bad breath.

Natural mouthwash :- natural mouthwash provide the same effect as that of other mouthwash but the difference is only it contains the natural ingredient. It is also option as an alcohol free mouthwash. Their ingredients are safe to use and has less side effect as compared to other types of mouthwash. [14]

MOUTHWASH COMPONENTS :-

Constituents	Role	Example
Antibacterial agent	Reduce the bacteria in mouth	Cetyl pyridinium chloride, chlorhexidine, triclosan
Humectants	Increase the viscosity of preparation	Glycerine, sorbitol
Surfactant	Remove debris by providing foaming action	Poloxamer, polysorbate 80
Flavoring agent	Overcome disagreeable tastes	Peppermint oil, eucalyptus, menthol
Coloring agent	Provide attractive appearance	
Flourides	Caries inhibiting agent	Flouride, pyrophosphate ions
Sweetening agent	Mask bitter taste	Saccharin
Preservatives	Prevent the growth of microorganisms	Sodium benzoate, parabens
Solvent	Enhance the taste and adds to antibacterial effect	Alcohol

CHEMICAL USED AS MOUTHWASH :-

Chlorhexidine : chlorhexidine formulation are considered to be one of the gold standard antiplaque mouthwashes due to their prolonged action of broad spectrum antimicrobial activity and plaque inhibitory potential action. The mechanism of action of chlorhexidine is the reduction in palatable formulation, alteration of absorption of bacteria and or attachment to teeth and bacterial cell wall alteration so that lysis occurred which is effective against both gram positive gram negative bacteria but it is more effective against a gram positive bacteria [32]

Benzydamine hydrochloride : Benzydamine hydrochloride has analgesic, anesthetic, anti-inflammatory and antimicrobial properties[15].It is recommended for radiation induced mucositis and ulcerative lesions like recurrent stomatitis.

Cetylpyridinium chloride and sodium benzoate : Benzoate of soda resulting into weakens plaque attachment which is easily removed by tooth brushing.

Triclosan : It can also be known as ionic antiseptic compound which shows anti- inflammatory

property and has been used in many mouthwashes[16]. this chemical also increases the ability of binding of mouthwashes to the oral mucosa and thus it is available for longer period of time.

Sodium bicarbonate : Sodium bicarbonate increases the pH of saliva and reduces the expansion of aciduric bacteria. therefore it is recommended to those patient who is suffering from xerostomia and erosion.

USES OF MOUTHWASH:-

Mouthwash is Used in the following cases :-

- Halitosis
- Xerostomia
- Mucositis
- Gum disease
- To clean septic sockets
- Periodontal Diseases
- Vincent's angina
- To control plaque
- Reduce inflammation
- To relieve pain

- To effectively deliver fluoride so on prevent dental cavity.



TONGUE CLEANER OR SCRAPER:-

Tongue scraping is the one of the best way to remove extra amount of particles including the one that causes bad breath from the surface of tongue. Tongue scraping is done with help of small slightly rounded tool madeup of plastic or metal called as tongue cleaner or tongue scraper. Tongue scraping is developed as a excellent tool for the reduction of level of mutans streptococci and to maintain good oral health and good oral hygiene.[29]

Bacteria, debris and dead cells can build up on tongue over time which leads to bad breath and have negative effect on overall health using a tongue scarpers wev can remove this buildup as well as improve sensing of taste, improve the appearance of tongue, remove the bacteria, improve overall health and reduce the bad breath.[17]

The scraper is madeup of head of thin peace of metal bent to form a circle or oval with 2 inches long handle. The scraper is curved a little, and there is a hollow ground in the inside area to collect and remove tongue debris . The new tongue scarpers developed as scraper attached to a toothbrush handle which is fold into a channel or slot when blade is not useable.[18]

Tongue scrapers is specifically designed oral care product to remove acids from the tongue, and it helps in tongue cleaning. Tongue scrapers is used by placing the Scraper tip at the back of the oral cavity, then scraper is pull forward. wash off the scraper after scraping.

Benefits of tongue scraping :-

- Reduce bad breath

- Improve sense of taste
- Remove bacteria
- Improve appearance of tongue
- Improve overall oral health [36]

TYPES OF TONGUE SCRAPER :-

Tongue scraper available in various different shapes and materials :

Brush tongue scarpers:-

Tongue brushes are newly developed brush tongue scraper for the dental hygiene , and they are similar to a normal toothbrush, but their bristles are made for cleaning the gaps of tongues. These work same as effectively as a tongue scraper.[19]

Plastic tongue cleaners :-

Plastic tongue scarpers are consist of long handle similar to a toothbrush handle and a tip with one or more bars which scrap on the tongue and they might also have small bristles to help for removing particle from the surface.

Metal tongue scrapers :-

metal tongue scraper is one of the best option of natural approach to scraping. these scraper are usually fold into a rounded U-shape by holding the both handles and we can accurately position the scrapper right at back of mouth they can clean and remove all the plaque from the tongue in one time, it make the process quick, easy and efficient.

Copper tongue scraper :-

Many person choose copper tongue scraper due to its natural antimicrobial properties. It has wide scraping edge to come across the whole surface, It has thick blunt age for safty and

comfortable grips on the handle to make it easy to use.

Stainless steel tongue scraper :-

Stainless steel tongue cleaner is made from surgical grade stainless steel and unlike some

others, it does not have any synthetic material on the handle so it is pure metal. It's features is that it has ultra-smooth edge and a sleek profile which minimize gagging. It is also made from medical grades stainless steel and has a colored silicon.[20]



DENTAL FLOSS :-

Dental floss is usually a cord of thin filaments and it is used in interdental cleaning to remove food particles and dental plaque between the teeth, by using toothbrush it is difficult to reach or unable to reach its regular use as a part of teeth cleaning, it is designed to maintain the oral health.[35]

Flossing is also one of the important habit to maintain good oral hygiene, it cleans and removes food particles stuck between teeth which results in reduction in the amount of bacteria and plaque in mouth. plaque is a sticky film that builds upon the teeth and causes cavities and gum disease.

Cleaning of teeth through brush after flossing is more advantageous as during brushing toothpaste has direct contact to teeth and when we spit out and rinsed frequently, it helps to dislodge

remaining debris if it still remains in between and all around the teeth.[24]

TYPES OF DENTAL FLOSS INCLUDE:-

1)Unwaxed floss :- This floss is made up of same material as that of waxed floss with absence of waxed layer. unwaxed floss is one of the commonly used floss. It is made up of a nylon material that is crafted by twisting various strands together. Unwaxed floss does not contain any artificial flavouring which means that this loss is chemical free. This floss is better for those people who have small gaps in between teeth and unwaxed floss is much thinner than other types of dental floss.

2)Waxed floss :- Waxed floss is made up of same material as that of unwaxed floss with the addition of layer of waxe applied to the floss. The layer of

these waxed make the floss stronger so that it does not break during use. In addition waxed floss allows the floss to glide better between teeth than that of unwaxed floss. Due to the additional layer of wax to this type of dental floss, it is thicker than unwaxed floss. unwaxed floss is one of the commonly used floss.

3) Dental tapes :- Dental tape is similar to most other types of floss in some manner, except that it is more thicker. It has a flatter construct that is similar to one of regular tape. This type tape is much more better for people who have bigger gaps between the teeth that require thicker floss.

4) Polytetrafluorethylene floss (PTFE) :- Polytetrafluorethylene is a material that is commonly available as in the form of Gore-Tex fabric. It is stronger material, so we won't have to worry about it's shredding while using it. Because of its mouth construction it will makes it great for sliding easily into small gaps between crowded and compact teeth.

5) Super floss :- These floss is a unique type of floss which is designed for those people hich has bridges, braces, and wide teeth gaps. It consist of three main components. They are stiff end threader, spongy floss and regular floss. With the threader, we can easily maneuver the floss under bridges and other dental fixtures for a thorough and perfect cleaning.[21]

6) dental floss picks:-

These picks are designed in D-shaped plastic piece with a handle that contains a short piece of floss stretched between two posts. In the place of cleaning with the help of wrapping a long piece of floss around fingers, a floss pick give us to slide a single piece of floss between the teeth using the plastic tool [22]. floss picks can easily glide between our teeth and remove food particles and they can reduce the chances of gum diseases.[23]



MOUTH FRESHENER :-

There are various types of mouth freshener available which helps in combating bad breath and maintain oral hygiene. For maintaining freshness there are mouth spray which will help you stay fresh easily. Different types of mouth sprays are available in the market these days with

varying variety of freshness essence and purposes. In the market mouth freshener easily available as mint strip paper, fresh mint candy. These mouth freshener are proven to be effective against after smoke bad breath and all types of bad breath.



Spearmint is one of the main ingredient and medicinal plant used in mouth freshener products to provide freshness.[39]

The xylitol and menthol containing mouth fresheners are also very effective in maintaining oral health and provide fresh breath. The xylitol containing mouth spray provide overall oral health by suppresing the adsorption of bacteria in the tooth surface, thereby reducing itching of teeth, remove plaque and strengthen the teeth. Menthol improve oral environment by providing fresh breath.[40]

Benefits of mouth freshener :-

- Maintain fresh breath
- Protect oral health
- Rich in essence
- Some provide cooling effect

CONCLUSION :-

Since there are various types of mouth care products available in the world which improve the oral health of the individuals. the choice of oral care products is depends on personalization approach of individuals and it is best way to choose your oral care products. All the mouth care product should be used by individual to improve appearance of teeth, to remove Plaque and food particles from teeth or between the teeth and from the surface of tongue , and prevent diseases like gingivitis, dental caries and periodontal disease , and to maintain good oral hygiene. Our motive is to reveal various types of genrally available mouth care product and contributing one step to improve oral hygiene status of individuals.

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