H – Gum : Gum Massage Powder

H – Gum, Gum Massage Powder helps in wound healing, checks gingival bleeding & keeps the gum tight & healthy.

H – Gum, Gum Massage Powder relieves inflammation & protects against bacterial & fungal infections.

H – Gum, Gum Massage Powder peels the plaque & keeps the teeth & gums clean & hygienic.

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H – Gum, Gum Massage Powder has micro fine smooth powder Therefore, does not damage the enamel.

Composition

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shuddha Sphatika</td>
<td>3.2g</td>
</tr>
<tr>
<td>Bakula</td>
<td>4g</td>
</tr>
<tr>
<td>Khadira</td>
<td>4g</td>
</tr>
<tr>
<td>Triphala</td>
<td>3.2g</td>
</tr>
<tr>
<td>Nimba</td>
<td>0.8g</td>
</tr>
<tr>
<td>Maricha</td>
<td>0.8g</td>
</tr>
<tr>
<td>Karpura</td>
<td>0.8g</td>
</tr>
<tr>
<td>Saindhava lavana</td>
<td>2.4g</td>
</tr>
<tr>
<td>Lavanga</td>
<td>0.8g</td>
</tr>
<tr>
<td>Vidanga</td>
<td>1.6g</td>
</tr>
<tr>
<td>Twak</td>
<td>1.6g</td>
</tr>
</tbody>
</table>

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Shuddha Sphatika: astringent, caustic, haemostatic, antispasmodic & antiseptic.

*Indian Materia Medica*

A.K. Nadakarni

Acacia catechu:

Wren (1975) notes the use of an extract from leaves and young shoots to check haemorrhages, and as a local application in relaxed sore throat and sponginess of gums. Stuart (1979), on the other hand, refers to the use of the boiled and strained aqueous extract of the heartwood as an astringent for inflamed conditions of the throat, gums, and mouth and also externally for boils and chronic ulcers. These uses noted by Wren (1975) and Stuart (1979) were described in greater detail by Pereira (1842) and by Felter & Lloyd (1898). In Chinese traditional medicine, the dried extract from the peeled...
Evaluation of antiplaque activity of *Azadirachta indica* leaf extract gel—a 6-week clinical study

M. Raveendra Pai, Leelavathi D. Acharya and N. Udupa

Department of Pharmaceutics, College of Pharmaceutical Sciences, Manipal Academy of Higher Education, Manipal 576119, India

Abstract

Various chemical agents have been evaluated over the years with respect to their antimicrobial effects in the oral cavity; however, all are associated with side effects that prohibit regular long-term use. Therefore, the effectiveness of neem (*Azadirachta indica* A. Juss) leaf extract against plaque formation was assessed in males between the age group of 20–30 years over a period of 6 weeks. Present study includes formulation of mucoadhesive dental gel containing *Azadirachta indica* leaf extract (25 mg/g). A 6-week clinical study was conducted to evaluate the efficacy of neem extract dental gel with commercially available chlorhexidine gluconate (0.2% w/v) mouthwash as positive control. Microbial evaluation of *Streptococcus mutans* and *Lactobacilli* species was carried out to determine the total decrease in the salivary bacterial count over a period of treatment using a semi-quantitative four quadrant streaking method. The results of the study suggested that the dental gel containing neem extract has significantly (*P*<0.05) reduced the plaque index and bacterial count than that of the control group.

Azadirachta indica has been used in India and South Asia for thousands of years as the preferred tool for maintaining healthy teeth and gums. Brushing with Azadirachta indica twigs and chewing Azadirachta indica leaves and seeds after a meal has been the traditional dental care practice in this area. With available modern preparations, many people are now using commercial products that contain the same basic Azadirachta indica components. The antibacterial activity of Azadirachta indica has been evaluated and known from ancient times (Chaurasia and Jain, 1978; Chawla et al. 1994). Azadirachta indica has been considered to have various activity such as astringent, antiseptic, insecticidal, antiulcer and for cleaning of teeth in pyrohoea and other dental diseases. Other than this, Azadirachta indica leaf extract showed superior antiviral and antihyperglycemic activity *in vitro* and *in vivo* on animal (Chattopadhyay, 1999; Parida et al., 2002). Leaves of Azadirachta indica has been in treatment of gingivitis and periodontis (Husain et al., 1992). Azadirachta indica has also showed better efficacy in the treatment of oral infection and plaque growth inhibition in treating periodontal disorders (Patel and Venkatakrishna, 1988). Azadirachta indica had shown good in vitro broad range antibacterial activity (Rao et al., 1986).
Clove (Syzygium aromaticum):

The volatile oils of black pepper [Piper nigrum L. (Piperaceae)], clove [Syzygium aromaticum (L.) Merr. & Perry (Myrtaceae)], geranium [Pelargonium graveolens L'Herit (Geraniaceae)], nutmeg [Myristica fragrans Houtt. (Myristicaceae)], oregano [Origanum vulgare ssp. hirtum (Link) Letsw. (Lamiaceae)] and thyme [Thymus vulgaris L. (Lamiaceae)] were assessed for antibacterial activity against 25 different genera of bacteria. These included animal and plant pathogens, food poisoning and spoilage bacteria. The volatile oils exhibited considerable inhibitory effects against all the organisms under test while their major components demonstrated various degrees of growth inhibition. http://www.blackwellsynergy.com/doi/abs/10.1046/j.1365-2672.2000.00969.x

Its antifungal, antibacterial and antiviral qualities make it an excellent Anti-infection essential oil for all types of infection. Its use can stop infections from taking hold in the body. Clove is also famous for its ability to kill parasites. It is powerful addition to an antiparasite program. When used topically, it helps to numb the skin and relieve many aches and pains. One of its main components, eugenol, is still used by dentists to numb the gums for dental procedures. Clove is a carminative that increases the ability of the stomach to digest foods. The use of clove oil when used on the back of the tongue can help stave off tobacco cravings. Clove oil helps to dissolve warts and other abnormal growths. Put a drop on your finger or a Q-tip and rub it on your gums. Put a few drops in a small cup of water and swish it around in your mouth as an essential oil mouthwash. I like to rub a bit onto my dental floss before I use it also. It is also a great breath freshener, and you can keep it with you when you need it after lunch or before a meeting.

http://www.marlasapothecary.com/gumrub.html

Clove was also approved as a topical antiseptic and anesthetic. It can be also added to tobacco.

Eugenol, a constituent of clove, has been used for analgesic, local anesthetic, anti-inflammatory, and antibacterial effects. It is used in the form of a paste or mixture as dental cement, filler, and restorative material.

Clove oil, like other plant oils, can be used in livestock to inhibit microbial fermentation in waste products.

Clove and Clove oil, in scientific theories and tradition is used as a mosquito repellant (topical), mouth and throat inflammation, mouthwash, nausea or vomiting, pain, neurodegeneration, oral candidiasis (thrush), muscle spasm, oral cavities, oral edema, pediculicide, smooth muscle relaxant (Clove oil), tooth or gum pain, vaginal candidiasis (prevention and treatment),
Wound healing activity of embelin isolated from the ethanol extract of leaves of Embelia ribes Burm.

H.M. Kumara Swamy¹, V. Krishna², K. Shankarmurthy³, B. Abdul Rahiman⁴, K.L. Mankani⁵, K.M. Mahadevan⁶, B.G. Harish⁷ and H. Raja Naika⁸

¹P.G. Department of Studies and Research in Biotechnology, Kuvempu University, Shankaraghatta-577 451, Karnataka, India

²Department of Pharmacology, National College of Pharmacy, Shimoga-577 201, Karnataka, India

³P.G. Department of Chemistry, Kuvempu University, Shankaraghatta-577 451, Karnataka, India

Abstract

Ethanol extract of the leaves of Embelia ribes Burm. (Myrsinaceae) and its isolated quinone compound embelin were screened for wound healing activity by excision, incision and dead space wound models on Swiss Albino Rats. Significant wound healing activity was observed in both ethanol crude extract (30 mg/ml) and the constituent treated groups. In embelin treated groups (4 mg/ml of 0.2% sodium alginate gel), epithelialization of the incision wound was faster with a high rate of wound contraction. The tensile strength of the incision wound was significantly increased than the ethanol extract. In dead space wound model also the weight of the granulation was increased indicating increase in collagenation. The histological examination of the granulation tissue of embelin treated group showed increased cross-linking of collagen fibers and absence of monocytes. The wound healing effect was comparatively evaluated with the standard skin ointment Framycetin.
**Cinnamomum zeylanicum**

Antibacterial actions have also been demonstrated for cinnamon.


Cinnamon is an efficient natural essence for neutralizing halitosis.

*International Rap session on Oral malodor Study in Chicago. (September 18th, 2007)*

**USP’s:**

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H – Gum, Gum Massage Powder has micro fine smooth powder Therefore, does not damage the enamel.

H – Gum, Gum Massage Powder has a pleasant aromatic flavor and gives refreshing feeling & prevents bad breath.

H – Gum, Gum Massage Powder has ingredients that improve the circulation in the gums & helps in toning up the gums to hold the teeth firm

H – Gum, Gum Massage Powder is economically priced & available in an attractive pack.

H – Gum, Gum Massage Powder is comprehensive formula for complete care of gums. Healthy gums leads to strong & long lasting teeth.

**FAQ’s:**

Q. what is H – Gum?
A. ‘H – Gum is a Gum Massage Powder for healthy gums & strong long lasting teeth’ H – Gum, has a well known classical ingredients like Shuddha
Sphatika, Bakula, Khadira, Triphala, Nimba, Maricha, Karpura, Saindhava lavana, Lavanga, Vidanga, Twak.

Q. H – Gum product is all natural, is that true?
A. H – Gum is all natural, 100% pure essential microfined powder. H – Gum has no coloring agent & preservatives of any kind. This scientific formulation is designed to eliminate bacteria & pathogens & give relief from the causes of the gum disease, gingivitis, bleeding gums & bad breath.

Q. How does H – Gum work?
A. Each particle of H – Gum helps to clean the teeth, mouth and gums from bacteria causing germs, plaque and bad breath. Gum disease is caused by plaque, a sticky film of bacteria that constantly forms on the teeth. These bacteria create toxin that damaged the gums and frequently cause receding gums. H – Gum is microfined smooth powder. Therefore H – Gum is safe to enamel.

Q: How does H – Gum help to remove tartar and plaque?
A. H – Gum has triphala and maricha that are well known classical ingredients for antiplaque, peals the plaque and cleanses.

Q: How to use H – Gum?
A. The gums should be massaged with adequate amount of powder with the help of index finger twice a day.

Q: Can patient use toothpaste or mouthwash with H.Gum? A. Yes, however there is no need to use simultaneously.

Q: Should patient continue to floss when using H – Gum?
A. Yes

Q: Is it safe to swallow H – Gum?
A. Yes, There is no harmful effect of swallowing H – Gum. All ingredients are natural and safe.

Q: What are the indications of H – Gum?
A. Gingivitis, Periodontitis, Spongy and inflamed gums.

Q: What is the pack size and MRP of H – Gum?
A: H – Gum is available in attractive 40g container and MRP is Rs.32.

Q: What is the shelf life of H – Gum?
A. 18 months from the date of manufacturing.