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Herbal Dental Powder as an Oral Care Agent

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Abstract: *Herbal dental powders are increasingly recognized for their safety and effectiveness.as compared to conventional synthetic dentifrices due to its antimicrobial anti-inflammatory andoral hygiene benefits. Many studies have pointed out their efficiency in plaque removal.It prevents gingivitis and maintains gum health and has few side effects. ThisReview synthesises research evidence on formulation, pharmacological properties, clinicalutility, and future research directions of the dental powders derived from herbs.*

Herbal dental powders are being increasingly recognized as the safe and effective.alternatives to conventional synthetic dentifrices, due to their varied pharmacologicalAntimicrobial, anti-inflammatory, and oral hygiene properties, among other benefits.Review synthesizes research evidence on the formulation, phytochemical investigation,Clinical utility and future research directions for these natural oral care agents are discussed.

The popularity of herbal dental powders represents a widening range of consumer interest.preference for chemical-free, eco-friendly products and their generally favorable safetyprofile. Traditional formulations contain powdered natural products withinclude abrasive, cleansing, and therapeutic effects, such as clove-analgesic, neemThis includes herbs such as antimicrobial, babool (gum strengthening), mint/tulsi (mouth freshener), and licorice.(foaming/healing), rock salt (scrubbing), and charcoal (bleaching). Phytochemical

Phytochemical screening confirms the presence of beneficial compounds like alkaloids, saponins, andFlavonoids, which collectively enhance oral health outcomes.Clinical evidence strongly supports the use of herbal powder, documentingsignificant reductions in oral pathogens and plaque scores. Various ingredients include neem, clove,and triphala are underlined because of their particular effectiveness. Besides, thesePreparations have anti-inflammatory and therapeutic effects; gum tissue is the purposes of such dressings are protection, reduction of bleeding, and minimization of swelling.

More importantly, trialsreport minimal adverse effects compared to chemical dentifrices and meta-analysesIt explains various powdered formulations that are as effective as conventional toothpastes and mouthwashes, although with less risk of developing side effects.Practical benefits include affordability, ease in transport, andthe fact is that farming will probably become environmentally low-impact, requiring minimal packaging.

However, key challengesremain, including the variable consistency of raw materials, lack of formulationStandardization and the need for more robust, blinded, long-term clinical trials adheringAccording to CONSORT guidelines, in order to confirm the efficacy across different populations.

Conclusion: Herbal dental powders represent natural, effective, and welltolerated alternatives for oral hygiene, with proven antimicrobial and anti-inflammatory benefits. As the body of evidence builds up, standardized formulations and large-scale Clinical trials will further establish their therapeutic value..

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