Dental diseases are among the major public health problems in the global level affect mankind. The oral cavity is inhabited by microbial species and many intrinsic and extrinsic factors affect the composition, pathogenicity and metabolic activity and of the highly diversified oral microbial flora responsible (1). Oral bacteria involved in the bloodstream have been linked to coronary artery disease, atherosclerosis and stroke (2). Dental disease main characteristic is destruction of supporting tissue of the body. The natural phytochemical could offer an effective to antibiotics and represent approach to prevention and therapeutic strategies for various dental diseases. The herbal medicine has an edge over conventional antibiotic treatment that suffer the limitation of low benefit to high risk as compared to herbal treatment that benefit to low-risk ratio. Herbal medicine with medicinal properties has been used for long period to prevent and treatment of different disease of dental disease (5). The major problem is the lack of the information and traditional knowledge about effects of medicine on dental disease. This reason urgent needed to the reviewing this information for researcher to help the focusing the herbal medicine in dental diseases treatment. Herbal medicine may vary in their effectiveness; therefore, it is necessary to select herbal medicine very carefully. Herbal medicine and their extract can be used as adjuvant in dental disease treatment. The present review of the last few years’ development of the herbal medicine used as alternative medicine of dental diseases treatment. Dental diseases are still consideration as serial public health problems and major burden to health care services around the world. Periodontal disease impairs glycemic control in people with diabetes, and poorly controlled diabetes may exacerbate periodontal disease (6). Aspiration of oropharyngeal secretions is the predominant cause of nosocomial pneumonia in elderly persons. For example, bacterial resistances to most of the antibiotics commonly used to treat oral infections are penicillin’s and cephalosporins, aseptic like chlorhexidine and metronidazole. Herbs have been used for centuries to prevent and control dental disease. Herbal extracts are effective because they interact with specific chemical receptors within the body. The following herbal medicine reported in the last few years.

Different dental diseases treatable with herbal medicine are common in traditional health practice namely: dental caries, toothache, gingivitis, ulcerative gingivitis, mouth ulcers, swollen tonsil, oral thrush, tonsillitis and black tongue (7). Zinger officinalis present the various components of ginger are 14% essential oil and an oleoresin, zingiberene, curcumin, sesqui- and black tongue (7). Herbal extracts have great potential as anti-cariogenic agents that may be useful in prevention of periodontal diseases and dental caries. Syzygium aromaticum gel can provide dentists with an alternative to benzocaine for topical anesthesia in their daily practice, especially for use with children and in areas where cost and availability limit access to pharmaceutical topical anesthetics. It is available as a tincture (1:5, 25% ethanol), lozenges and mouthwash (11). The formulations No. 10 and 13 showed strong antimicrobial activities with MIC ≥ 0.2 mg/ml against various dental diseases. Plants active against dental organisms has been listed and this review highlight the role of herbal medicinal and phytochemicals like flavonoids, polyphenols, terpenes, alkaldoids in the treatment of dental health and infections associated with dental care. The purpose of this review is to present some recent examples of herbal medicine or phytochemicals that have been shown to inhibit the growth of oral pathogens, reduce the development of dental plaque, and reduce the symptoms of dental diseases. It indicates that plants have the potential to generate herbal medicine.

**Key Words:** Dental disease; Phytochemicals constitutes; Herbal medicine; Dental treatment

**Dental disease:**

- Various dental diseases
- Plants active against dental organisms
- This review highlights the role of herbal medicinal and phytochemicals
  - Flavonoids
  - Polyphenols
  - Terpenes
  - Alkaloids

**Various dental diseases:**

- Periodontal disease
- Dental caries
- Oral thrush
- Ulcerative gingivitis
- Mouth ulcers
- Swollen tonsil
- Oral thrush
- Tonsillitis
- Black tongue

**Herbal medicine:**

- Syzygium aromaticum gel
- Benzocaine for topical anesthesia
- Tincture (1:5, 25% ethanol)
- Lozenges
- Mouthwash

**Formulations:**

- No. 10 and 13
- Strong antimicrobial activities
- MIC ≥ 0.2 mg/ml

**Conclusion:**

- Herbal medicine has potential to generate alternative treatments for dental diseases.
- The review highlights the potential of herbal medicine in oral health care services.

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**MINI REVIEW**

**Role of herbal medicine in dental health**

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Dental disease is one of the globally affecting diseases. Herbal medicine is effective because they interact with specific chemical receptors within the body. Herbal medicines have less side-effect in comparison with traditional medicines. There is lack of information about the effect of herbal medicine treatments on dental health. Herbal medicine treatment in dental diseases they are used as antibacterial agents, anti-inflammatory agents, and sedative and anxiolytics. The natural phytochemical could offer an effective to antibiotics and represent approach to prevention and therapeutic strategies for various dental diseases. Plants active against dental organisms has been listed and this review highlight the role of herbal medicinal and phytochemicals like flavonoids, polyphenols, terpenes, alkaldoids in the treatment of dental health and infections associated with dental care. The purpose of this review is to present some recent examples of herbal medicine or phytochemicals that have been shown to inhibit the growth of oral pathogens, reduce the development of dental plaque, and reduce the symptoms of dental diseases. It indicates that plants have the potential to generate herbal medicine.

**Key Words:**

- Dental disease
- Phytochemicals
- Herbal medicine
- Dental treatment

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Streptococcus pyogenes. Plant seed extracts have great source as anti-cariogenic compound against oral pathogenic microorganisms, which can be used to treat infectious diseases (15).

CONCLUSION

Herbal medicine has great source as oral diseases curing compound against dental diseases, which can be used to treat dental diseases. Herbal medicine, as alternative method of curing dental diseases, has day by day increasing demand in the developed country of the world. Herbal medicine and their product have been used as adjuvants in dental disease treatment because the reducing the side effects of comparing the antibiotics. Herbal medicine product in dental disease has a great potential, but it is challenging to determine the side effect and toxicity proper checking of herbal medicine and their product.

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