**Title:** A review of Anti-microbial and Anti-caries effects of some natural materials  

**Authors:** Ehsan Samzadeh, Gelareh Forouzani, Maryam Nasiri  

**Abstract:** Objective: The use of suitable natural substances for oral health promotion  

**Oils:** Coconut oil exhibited effects on S.Mutans and C.Albicans. It is also effective in the treatment of Atopic dermatitis. Sesame oil is reduced S.Mutans, sunflower oil has antifungal effect (Candida Albicans); coconut oil has anti-bacterial effect on E.coli.  

**Honey:** Honey propolis that obtained from different plant buds; it has antimicrobial, antioxidant and antitumor effects, which is attributed to the flavonoids. Based on kind of propolis, they have effect on S.Mutans, S.Sobrinus, S.Cricetus.  

**Tea:** Green and black tea inhibit the bonding of S.Mutans with the tooth surface, and reduce glycocalyx formation and have effective on preventing salivary amylase in S.Mutans. Oolong tea prevents bonding of bacteria by bonding with the proteins of tooth surface.  

**Salvia plants:** Has the antibacterial and antifungal effects on decay-causing bacteria in the mouth and all Pseudomonas, Aspergillus and Candida albicans. This plant has also effect on anorexia, mouth and throat inflammation, and increased sweating.  

**Ajowan plants:** Has an antigrowth and bactericidal effect on the decay-causing bacteria in the mouth.  

**Garlic:** Has the antifungal effect on C.Albicans and antibacterial effect on S.Mutans that related to allicin which is produced by the enzymatic activity of ALynaz.  

**Dairy products:** It is suitable to prevention of caries due to the presence of casein. CPP-ACP is a product based on milk casein; effective for enamel and dentin remineralization.  

**Conclusion:** The natural materials have an important role in prevention and treatment of oral diseases.

**Natural substance, antimicrobial, anti-caries**  

**Presentation:** Poster