

THE LIVING THERAPEUTICS-GLADIATORS OF THE PERIODONTIUM

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ABSTRACT

Microbiota play a key role in various body functions, as well as in physiological, metabolic, and immunological processes, through different mechanisms such as the regulation of the development and/or functions of different types of immune cells in the intestines. Evidence indicates that alteration in the gut microbiota can influence infectious and noninfectious diseases. Probiotics are live microorganisms that, when administered in adequate amounts, confer a health benefit on the host. They have been used to directly modify the resident oral microbiome and proposed to modulate immune responses. In dentistry, probiotics have been employed as useful adjuncts for the reduction of caries development, suppressing oral Candida infection and controlling halitosis and periodontal disease. Traditional treatment modalities of periodontal disease include nonsurgical and/or surgical management, with an emphasis on mechanical debridement. Currently many studies have been reported on probiotic therapy to prevent or treat gingivitis and periodontitis. Oral administration of probiotics is an effective adjunct in reducing pathogenic bacteria and improving clinical signs of disease. Probiotics may serve as adjunct or replacement therapy substitute antibiotics in managing human periodontal infections in future.

KEYWORDS: Probiotics, Oral Health, Bacterio Therapy & Periodontal Disease

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