

Immediate dental implant placement in extraction socket

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Abstract

The protozoan *Entamoeba gingivalis* resides in the oral cavity and is frequently observed in the periodontal pockets of humans and pets. This species of *Entamoeba* is closely related to the human pathogen *Entamoeba histolytica*, the agent of amoebiasis. Although *E. gingivalis* is highly enriched in people with periodontitis (a disease in which inflammation and bone loss correlate with changes in the microbial flora), the potential role of this protozoan in oral infectious diseases is not known. Periodontitis affects half the adult population in the world, eventually leads to edentulism, and has been linked to other pathologies, like diabetes and cardiovascular diseases. As aging is a risk factor for the disorder, it is considered an inevitable physiological process, even though it can be prevented and cured. However, the impact of periodontitis on the patient's health and quality of life, as well as its economic burden, are underestimated. Commonly accepted models explain the progression from health to gingivitis and then periodontitis by a gradual change in the identity and proportion of bacterial microorganisms in the gingival crevices. Though not pathognomonic, inflammation is always present in periodontitis. The recruitment of leukocytes to inflamed gums and their passage to the periodontal pocket lumen are speculated to fuel both tissue destruction and the development of the flora. The individual contribution to the disease of each bacterial species is difficult to establish and the eventual role of protozoa in the fate of this disease has been ignored. Following recent scientific findings, we discuss the relevance of these data and propose that the status of *E. gingivalis* be reconsidered as a potential pathogen contributing to periodontitis. .

Biography:

Abhijeet Bhasin did graduation from Modern Dental College and Research Center, Indore in 2007. And has been practicing implantology since then. He has done his Basic and Advanced Implantology training from Goethe University, Germany under the mentorship of Dr Prof Netwig and Dr Porus Turner. He is the member of INDIAN SOCIETY OF ORAL IMPLANTOLOGISTS (ISOI) and Vice President Indian Dental Association, Indore Branch. He is also the Vice President of World Academy of Ultrasonic Piezoelectric Surgery (WAUPS) South East Asia. He is also the Fellow of Academy of General Education and Fellow of World Academy of Ultrasonic Piezoelectric Surgery.

Citation: Abhijeet Bhasin; Immediate dental implant placement in extraction socket; Dental Webinar 2021; Feb 22, 2021