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(Review Article)

Role of Salivary Proteins in Denture Stomatitis and the Effect of Surface Sealant Application in Denture Stomatitis Patients with Altered Salivary Proteins

*Dr. Divya Nagri***, *Dr. Kuldeep Vaishnav**, *Dr. Tarannum Alam Shaikh****,
*Dr. Shivani vaishnav*****

* Post graduate, Department of Prosthodontics, Vyas Dental College & Hospital

** Reader, Department of Prosthodontics, Vyas Dental College & Hospital, Jodhpur

***Post graduate, Department of Prosthodontics, National Institute of medical science, Jaipur

**** BDS, Vyas Dental College & Hospital, jodhpur

Email Id: serviceheb@gmail.com

ABSTRACT

Denture stomatitis (DS) is the most common oral pathology among the denture wearers, affecting over one-third of the denture wearer. DS is generally associated with candida albicans, The presence of a denture alone is usually sufficient for DS. Saliva and its protein contents are responsible for some denture wearers to DS and others resistant toward DS. The proteomic content shows interaction between host tissue, saliva, and Candida. Further examination in larger populations of these proteins may help in understanding of DS pathological processes and improve DS treatments. Salivary proteins adsorption on surface of poly methyl methacrylate is dependent on material hydrophobicity and electrostatic forces. Therefore by altering these factors with the help of application of surface sealants one might reduce the chances of bacterial colonization of altered salivary proteins on dentures leading to prevention of denture stomatitis. This is review article emphasizing on the role played by salivary proteins in causing denture stomatitis and preventing it by application of surface sealant on the denture base.

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