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A Short Review on Diabetes and Oral Infections

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ABSTRACT:

Diabetes mellitus, a chronic metabolic disorder characterized by hyperglycemia, significantly impacts various body systems, including oral health. This comprehensive review explores the intricate relationship between diabetes and oral health, focusing on the prevalence and pathophysiology of common oral complications in diabetic patients, such as periodontal disease, dental caries, xerostomia, and oral infections. The review highlights the bidirectional nature of this relationship, where diabetes exacerbates oral health issues, and poor oral health can, in turn, complicate diabetes management. Mechanisms underlying these interactions include altered immune responses, changes in saliva composition, and vascular complications. Effective management requires a multidisciplinary approach, involving regular oral health screenings, patient education, and stringent oral hygiene practices. The review also emphasizes the need for continued research to develop targeted therapies and improve patient outcomes. As diabetes prevalence rises globally, understanding and addressing its oral health implications becomes increasingly crucial for comprehensive patient care.

Keywords: Hyperglycemia, Oral Infections, Dental Caries

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