



Relationship of Cardiovascular Diseases with Denture in Dentistry

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Abbreviations

CVD: Cardiovascular Diseases.

Editorial

Cardiovascular diseases (CVD), such as coronary heart disease, stroke, and congestive heart failure, are posing increasing burden to the healthcare systems. Controlling conventional risk factors, such as blood pressure, total cholesterol, high-density lipoprotein cholesterol, smoking, and glucose intolerance, are essential in preventing CVD. However, as individuals without conventional risk factors may still develop the disease, there is an increasing awareness that there are unrecognized potential risk factors which may also contribute to developing CVD. It was estimated that 10–20% of CVD can be explained by unconventional risk factors [1]. Poor oral health has been proposed as an unconventional risk factor for heart disease for many years. Previous studies have demonstrated that poor dental health has been related to an increased risk of mortality and mortality due to CVD and respiratory diseases. Vice versa, CVD and related

treatments also affect dental health [2]. Denture status is a strong predictor of oral health-related quality of life. In fact, denture problems, particularly denture-related stomatitis, are correlated with endothelial dysfunction in elderly patients. Endothelial dysfunction is linked to CVD by several mechanisms, including altered endothelial anticoagulant and anti-inflammatory capabilities, poor modulation of vascular growth, and uncontrolled vascular remodeling. While endothelial dysfunction may explain the potential link between dentures and CVD, the association between dentures and CVD has not been explored in depth. Dentists, as clinical scientists, can explore whether CVD and denture use are causally related.

References

1. Liang X, Chou OHI, Cheung BMY (2023) The association between denture use and cardiovascular diseases. The United States National Health and Nutrition Examination Survey 2009–2018. *Front Cardiovasc Med* 9: 1000478.
2. Koka S, Gupta A (2018) Association between missing tooth count and mortality: a systematic review. *J Prosthodont Res* 62: 134-151.