Longterm survival and reason for failure of anterior composite restoration

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ABSTRACT
Composites resin restorations have been used for repairing and restoring anterior teeth for decades due to the growing needs for a cost-effective aesthetic restoration and the advancement in dental material and polymer technology. Failure of composite restorations cannot be neglected, due to multiple factors, i.e. failure to diagnose the gingival tissue, inadequate tissue management, quality of remaining tooth structure, and inadequate preparation. The aim of this review is to improve clinical performances of direct composite as permanent restorations. Long lasting aesthetic composite restorations required proper mouth preparations, which includes supporting and dental hard tissue preparations, tooth preparation, proper isolation, bonding procedures, light cure unit, and the resin composite itself.

Keywords: Composite restorations, Anterior teeth, Failure dental restorations

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