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纤维桩与树脂核材料粘接的研究进展

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Research progress on adhesion between fiber post and resin core

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摘要

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摘要 桩核加冠修复是临床根管治疗后, 牙冠外形重建的主要手段之一。纤维/树脂桩核系统具有优良的机械、生物学性能和较好的修复效果, 被广泛用于临床。近年来, 纤维桩与树脂核材料间的粘接研究成为了热点。纤维桩与树脂核材料间能否形成牢固和持久的化学和机械固位, 直接关系到修复体的临床成功率。树脂核材料的种类、纤维桩的种类以及纤维桩的表面处理均会影响纤维桩与树脂核材料间的粘接强度。下面就上述影响因素的研究现状作一综述。

关键词: 纤维桩 树脂核 粘接强度

Abstract: The restoration with post-and-core systems and dental crowns is one of the main reconstructions of teeth after root canal therapy. The fiber/resin post-and-core systems are thought to have excellent mechanical and biological properties and satisfied prosthetic effect. These systems have been widely used in clinic. Recently, the adhesion between fiber post and resin core has become an area of intensive investigation. The clinical success ratio of restoration is affected by the adhesion and retention between fiber post and resin core. The factors which influence the bond strength between fiber post and resin core include the resin core material selection, fiber post selection and surface treatments of fiber post. The purpose of this article was to review recent research of these factors.

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