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Comparative Evaluation of Different Post Systems -A Review

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ABSTRACT:

The Aim of this article was to review the literature to evaluate and compare different post systems which can be useful in the restoration and longevity of endodontically treated teeth. Using a MEDLINE search and resulting cross-references, the authors selected original research articles and previous review articles on the topic of endodontically treated teeth, as well as that of post and core. The article includes the reviewed principles for the use of posts in terms of when it is necessary to use a post, different types of posts, various post materials and designs. It also reviewed the criteria and technique form post space preparation and post cementation. Finally, we discussed the principles of core build up, as well as options for the final restorations. The article provided a review of the principles for the use of post and core, crowns and the different materials available today to help clinicians make a clinical decision based on sound evidence.

Keywords: Post and core; endodontically treated teeth; fiber-reinforced post; core materials; metallic post and core; pre-fabricated post; cast posts.

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