

53. Comparison of the fracture strength of fiber post with peek post – an in vitro study.

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Reconstruction of endodontically treated teeth is a great challenge in restorative dentistry since the tooth crown is usually totally or partially lost by caries, erosion, abrasion, previous restorations and trauma. A successfully treated tooth, can resume full function and if necessary serve satisfactorily as an abutment for the fixed partial denture. However special techniques are needed to restore such a tooth. Peek (polyetherether ketone) is a recent material which have been successfully used by world leading companies in applications such as healing caps and temporary abutments due to its mechanical strength, aesthetic qualities, soft tissue response and ability to shape the peek easily. However long term biocompatibility of peek means that the material can provide solutions in a wider range of applications within restorative and prosthetic dentistry. Hence it is thought desirable to conduct the study to compare fracture strength of peek post and fiber post in endodontically treated extracted maxillary central incisors.

DOI: 10.4103/0972-4052.246665