A Compartive study of Restorative techniques Ued to reinforce intact endodentically treated Auterise Teeth.

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The aim of the present investigations was to study and Compare four restorative techniques to reinforce endodentically treated anteries teeth using four groups:

(1) gutta-perch a technique
(2) Composite post filling
(3) Amalgam post filling
(4) Cemented metal post technique.

All filled teeth were mound in self curing acrylic resin.

A metallic system was designed into which the specimen was fixed so that, the load applied at am angle of 45˚ to the lingual surface at cross head speed of 5cm/min using a universal testing machine

Results: It was found that, the group of teeth filled with Composet post filling in the root canal showed the highest failure load.

There is a highly significant difference between the mean failure loud of the four tested techniques. The fracture resistance was increased by 59˚% , 43˚% and 30˚% in case of group II , III and IV respective over the conventional technique (groupI). It was concluded that, the techniques of No 2,3 and 4 were effective in reivfoicing endodontically treated anterior teeth. The groups ok composite felling pest was the most effective one.

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