

ANALYSIS *IN VITRO* OF THE JOINT STRENGTH OF FIBER POST CEMENTED ON TEETH USING DIFFERENT DENTAL ADHESIVES.

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The present study aimed to evaluate the bond strength of cemented fiberglass pins in bovine teeth endodontically treated using different dental adhesives. The sample consisted of 40 bovine teeth freshly extracted, pulped, treated endodontically and soon after cemented fiberglass pins using 4 different dental adhesives (Ambar APS-FGM, Aridus Bond-Superdont, Scothbond-3M, Futura Bond-Voco) and then sectioned on a metallographic cutter (Brand / Manufacturer: Buehler LTDA, Model: Isomet 1000, City / State / Country: Bluff / IL / USA) to be able to do the push-out test on a universal testing machine EMIC (Brand / Manufacturer: EMIC Material Testing Industry and Commerce, Model: DL 2000, City / State / Country: São José dos Pinhais / PR / Brazil, Load cell: 200 kg, Test speed: 0.5mm / min). After obtaining the measurements of the compression test, the following results were observed: The samples sectioned in the cervical and middle portion of the root canal obtained higher values of resistance in the control group (Scothbond-3M). However, in the apical portion, the Ambar-APS adhesive system proved to be significantly superior compared to the control group and the others. It is concluded with this study that according to the tests carried out, the Scothbond cement presented the best performance in relation to the other adhesive systems compared.

Keywords: cimentation, adhesive, fiber post, dental cementation.

Biography

David Carvalho is a 30-year-old surgeon who graduated from the University of Planalto Central in the capital of Brazil. He has a Master's Degree in Dental Materials and is a specialist in Dental Prosthesis, in addition to residency in Facial Harmonization and Facial Injectables. He has trained

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