December 09th, 2019

**Dear Dr Sergio Eduardo de Paiva. Gonçalves**

**Editor-in-chief of the Brazilian Dental Science,**

We are submitting the manuscript entitled “**Effect of glass-fiber post on the biomechanical behavior of teeth with direct veneers”** to be considered for publication in the Journal of the Mechanical Behavior of Biomedical Materials.

In the aesthetic rehabilitation of anterior teeth, there are many endodontically treated teeth which need to receive direct veneers. The loss of tooth structure due to the restorative procedure and cavity access of endodontic treatment can decrease dental strength. The use of intraradicular fiber posts has been proposed to decrease the risks of dental fracture and improve restorative success rates. This *in silico* study evaluated, through finite element analysis, the biomechanical behavior of endodontically treated maxillary central incisor, with resin composite veneers using or not a glass-fiber post. It was proposed an alternative technique to ensure the stress distribution of functional loads for teeth that have a structural loss. With the conclusion of this study, the cementation of glass-fiber post could be considered a good procedure to minimize failure related to load application. The use of glass-fiber post promotes lower stress concentration on tooth and veneer structure.

We assure that this paper is not under consideration for publication elsewhere, and that if accepted it will not be published in the same form, in English or any other language, without the written consent of the publisher. In addition, this manuscript and the journal instructions for authors have been read, followed and approved by all authors.

I am looking forward to hearing from you.

Sincerely,

Taciana Marco Ferraz Caneppele \* and co-authors.

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