

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_80017
Title of the Manuscript:	Color changes of ceramic materials used for inlay and veneers restorations after staining with different time intervals
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	<p>The Data Analysis section is confusingly presented and not well conducted. In the first point, in the Abstract it is mentioned that "one-way ANOVA, and post hoc tests" were applied. In the Data Analysis section, there is no mention of ANOVA, only the Student t-test. Apart from the divergence between the Abstract and the Data Analysis section, both statistical tests described are inadequate for the study methodology. In the present study, there is an independent variable (material) and a repetition factor (immersion time - T0 [baseline], T1 [15 days] and T2 [30 days]. Therefore, the appropriate statistical methodology is to apply Analysis of Variance. for repeated measures, with the appropriate posthoc test, noting that for this, the assumptions of normality of distribution (Shapiro-Wilk test) and sphericity (Mauchly) of the data need to be verified.</p>	
<u>Minor</u> REVISION comments	<ul style="list-style-type: none">- In the last paragraph of the introduction, "as well as the absence of differences in the values and type of biaxial compressive strength or fracture modes and types after the aging of the Mark II and CAD/CAM zirconia prosthetic materials stained with Coca-Cola for 15 and 30 days." However, there is no mention of biaxial compressive strength in any other section of the manuscript. I believe that this data has not been included in this manuscript. So, I suggest removing it.- What parameters were used for the sample calculation?- The CAD/CAM specimens are obtained in rectangular format, as illustrated in Figure 1. However, it is mentioned in the manuscript that the specimens were evaluated in the form of a disc. I suggest describing this step of obtaining specimens in a disk shape.- Were the specimens randomly divided into three groups (white, black, and gray backgrounds)?- During the immersion period the specimens were kept in what kind of environment? At what temperature? How much drink was added to the immersed specimens? Were specimens arranged separately during the immersion period? <p>Many crucial details are missing from this section of the methodology. I suggest describing it in detail.</p> <ul style="list-style-type: none">- Figure 3 does not correspond to the materials evaluated in this study. "Lithium Disilicate?"	
<u>Optional/General</u> comments	<p>The manuscript has a clear objective and has clinical applicability. The increase in the use of CAD/CAM ceramics makes it necessary to obtain evidence on the optical and mechanical behavior of these materials against lifestyle habits that can be harmful, such as the consumption of coloring and acidic beverages.</p> <p>However, the study methodology is not accurately described, and the statistical analysis of the data has serious deficiencies, which compromises the results presented and discussed. Therefore, my recommendation is that the data be carefully analyzed with the appropriate tests and that the manuscript be adapted, especially in the results and discussion sections.</p>	

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PART 2:

	Reviewer’s comment	Author’s comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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