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| Book Name: | [**Medical Science: Trends and Innovations**](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4822** |
| Title of the Manuscript: | **Comparative Evaluation of Surface Roughness and Color Stability Between Single-Shade Composite and Multi-Shade Composite: An In Vitro Study** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Cureus, 16(7): 1-10, 2024.**

**DOI: 10.7759/cureus.65396**

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** |  |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** |  |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. |  |  |
| **Is the manuscript scientifically, correct? Please write here.** |  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** |  |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/General comments | Regarding reviewing it with the following review points :  1- why you choose only 10 samples per group that with such small size samples per group may increase risk of type II errors ( false negative ) lacking generalizability.  2- Seven days is too shot period to simulate long period ( like one year ) you can use at least 21 days instead to simulate long period at which the patient may consume variable beverages to reflect such exposure.  3- why you didn’t use saliva contained solutions to simulate the saliva of the oral cavity with the beverages used ? Did you make any shaking for them along that 7 days period to avoid precipitation?  4- why you didn’t use PH simulation for mouth in your containers with simulated temperature like 37 degrees.  5-your hypothesis of “ transparency contributes to discoloration “ . Do you have any evidence mechanism to proof it .  6-why you don’t use more variable beverages in your study that any one could consume various types other than that used in you study every year .  7- you research may attribute some results to the monomer chemical effects ignoring the structural interactions of TEGDMA vs. Bis-GMA\*, or the filler size like the Omnichroma’s 260 nm fillers .  8- are the differences in surface- roughness preoperatively for the single-shade( 1.72 µm ) vs. (multishade: 1.42 µm) reflecting the inconsistent packing- curing techniques here as the Initial roughness disparities could confound postabrasion comparisons. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Ali A Hassab, University of Baghdad, Iraq**