

### **Editor's Comment:**

The authors report on an interesting *in vitro* study on the use of two types of nanoparticles at different concentrations for reinforcing heat cure PMMA resins used in denture prosthesis. They have accounted for most of the reviewers' recommendations and have, thereby, greatly improved their originally submitted manuscript.

I would, though, like to point out a few minor pending issues, which I have listed below or have typed in red and highlighted in (light) blue in the attached file (note that this is the revised version resubmitted by the authors, with their changes highlighted in yellow, plus my comments and slight modifications to the text, in blue, as mentioned above):

- the Abstract does not mention that the studied resins are for denture prosthesis fabrication and use. It would be interesting to do so, in order to emphasize its applicability in dentistry (i.e., for edentulism). This would not only be more informative, but would help catch the reader's attention to the study;
- the use of British or American English should be coherent across the text; e.g., the authors use "mold" instead of "mould" (American and English forms, respectively) in most of their text, but they have also used "moulded" in other parts. Moreover, they use the term "colouring" and "colour" (British English) in their text. British or American English should be standardized in the whole text;
- in the Introduction section, please clarify the following sentence: "Modifying nanozirconia powder by coating with a layer of trimethoxysilylpropylmethacrylate (TMSPM) renders more radiopacity as it decreases the radiographic density and allows more absorption of radiation". Since *more* radiopacity means *more* radiodensity (and *more* absorption of radiation), and not *less* radiographic density, as stated, please clarify or correct, accordingly;
- the authors should provide references in some parts of the Discussion section (see corresponding parts in the attached file);
- there remain a few formatting issues (such as redundant spaces within the text) that should be fixed accordingly.

### **Editor's Details:**

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