Reviewer's report

Title: In Vitro comparison of cyclic fatigue resistance of TruNatomy in single and double curvature canals compared with different nickel-titanium rotary instruments

Version: 0 Date: 26 Nov 2019

Reviewer: Gianluca Gambarini

Reviewer's report:

The article is on the study of lifespan of endodontic instruments when used in double curvature canals: a very challenging situation for the clinician. As known, double curvatures are often associated with instrument's failure which could compromise the therapeutic outcome. The article is good written and the methodology is common for other previous published studies. However, small revisions for the English should be made. Many typos have to be corrected. For example in the abstract significance is written in three different ways: it should be uniformed according to instruction for authors guidelines. In the abstract: the subtitle conclusion should be corrected in conclusions. At line 37 the sentence ...were more resistance... should be corrected in ...were more resistant... keyword cycle fatigue should be changed in cyclic fatigue. At page 5 line 29 "manufacture" should be changed in "manufacturer". At page 7 line 5 "control" and "allow" should be changed in "controls" and "allows". When referring to the taper of the instruments, for example "0.04" should be changed in ".04". When talking about the thermally treated instruments, I suggest to insert a short statement on the different kind of heat treated alloys: this article could be useful to you: Gambarini G, Galli M, Di Nardo D, Seracchiani M, Donfrancesco O, Testarelli L. Differences in cyclic fatigue lifespan between two different heat treated NiTi endodontic rotary instruments: WaveOne Gold vs EdgeOne Fire. J Clin Exp Dent. 2019 Jul 1;11(7):e609-e613. doi: 10.4317/jced.55839. eCollection 2019 Jul. PubMed PMID: 31516658; PubMed Central PMCID: PMC6731004.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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