Reviewer’s report

Title: Influence of epigallocatechin-3-gallate in promoting proliferation and osteogenic differentiation of human periodontal ligament cells

Version: 1 Date: 02 Feb 2019

Reviewer: Franz Josef Strauss

Reviewer’s report:

In general, the authors addressed adequately the comments initially raised and strengthened their manuscript by using a professional language editing service (Nature Research Editing Service). I have only a few minor points as listed below that should be addressed by the authors.

Page 3 lines 45: Eliminate the word "tooth", it is not necessary, "the periodontium" is enough and more consistent with the literature.

Page 4, line 77, include the acronym of "TNF-α", same line, change the word "response" to "responsible"

Page 17 line 383, change the word "obscure" to "unclear"

Page 17 line 389 change the word "limits" to "limitations"

Figures: Please improve the quality of the figures, all the SD ticks are separated from the bars, it looks careless and unprofessional.

Figure 1: You are showing a box plot, box plots do not normally show SD and means. They show medians and IQR. Change the text accordingly.

Change "Data was presented as mean SD" to "Boxplots represent median and interquartile range (IQR)"

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:

Acceptable

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