

Format for ANSWERING REVIEWERS



June 5, 2014

Dear Editor,

Please find enclosed the edited manuscript in Word format.

Title: Transplantation of stem cells from human exfoliated deciduous teeth for bone regeneration in the dog mandibular defect

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Name of Journal: *World Journal of Stem Cells*

ESPS Manuscript NO: 10606

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer no 505327

3 answers has been made according to the suggestions of the reviewer no 202286:

3-1 The SHEDs which had been stored with cryopreservation were expanded through 3 passages .the samples were examined at a magnification of *100 with light microscopy (figure 2)

3-2 We created a defect from buccal to lingual cortex by trephine bur so we removed the cylindrical bone from buccal to lingual cortex in mandibular body.

3-3 Corrected in the manuscript

3-4 We used SHED which had been isolated and characterized their markers, after cryopreservation banking and defrosting SHEDs were transferred to the flask that we observed under the microscope (figure 1).then the SHEDs were expanded through 3 passages and we saw their proliferation (figure 2). The new bone formation was evaluated and analysed by image analysis software , notwithstanding some limitations in this study.

3-5 In this study we used image analysis software to find percentage of each area consist of compact bone,woven bone and connective tissue. The software automatically calculates the percent of different tissues and reports the area ratio of each region on the total quantitatively.

3-6 The figure of image analysis attached with legend "percent of area 1(connective tissue),area 2(woven bone) and area 3(compact bone) in sample 3 from control group by image analysis software". other legends are on the page number 16 in manuscript also attached with figure upload

4 References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Stem Cells*

Sincerely yours,

Ali Behnia

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