

Reviewer comments For “PeerJ 36933”

Basic Reporting

The manuscript entitled "In vitro histomorphometric comparison of dental pulp tissue in different teeth" reports a novel methods that demonstrated a significant positive correlation noted between length and width of the dental pulp with age in both males and females. I believe the manuscript still requires some minor revision before further consideration for publication.

Experimental Design

Validity of the Findings

The current manuscript demonstrates that the mean dental pulp weight of supernumerary and third molar teeth was greater than deciduous and premolar teeth and finally, the histological analysis revealed that the apical portions of dental pulp in supernumerary and premolar teeth have the highest cell density and provide a greater number of cells for in vitro culture. Overall, the current finding has important applications in the dental pulp stem cells isolation.

General Comments for the author

1. The author should change the abbreviation “DP” in the results section of the abstract to the full word and use the word first time in full and then only in abbreviation.
2. At line 55, the author has used the cells name in full words as well as in abbreviation “Dental pulp stem cells (DPSCs)” and the same format has repeated at line 141. The same mistakes have repeated throughout the manuscript. Please follow the proper format.

3. Materials and Methods: Tissue removal and processing section, “Tooth samples were longitudinally cut using a micromotor”. The authors need to confirm whether the pulp has been little bit damaged or remain intact while using the microcutter? Please mention the diameter of the cutter.
4. Figure 2A, the DP weight of only one male is more than 100mg whereas all the other DPs weights are showing less than 30mg. Why there is a huge difference in weight in DP weight of male? Explain them precisely.
5. Figure 2 legends: “Statistical significance was defined as $p \leq 0.05$ ”. However there is no symbol representing statistical significance in the figure. Add the symbols.
6. Figure 3 legends: “Values were calculated from three slices of each of the 10 teeth in each group and are expressed as the mean $\pm$ standard deviation. * $P \leq 0.05$ ”. Add the symbol * in the figures?
7. In “Figure caption section” more detail description are needed to add for making clear easily follow.
8. There are grammar errors in the manuscript and the tenses are confused. Therefore, the manuscript should be thoroughly edited.
9. In “Table caption section” more detail description are needed to add for making clear easily follow.
10. I advise the authors to correct the grammatical errors because there are a large number of grammatical mistakes or odd turns of phrase, and too many for a reviewer to list.