

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 12712-R1.doc).

Title: Perinatal Stem Cells: A Promising Cell Resource for Tissue Engineering of Craniofacial Bone

Author: Jiawen Si, Xudong Wang, Steve GF Shen.

Name of Journal: World Journal of Stem Cells

ESPS Manuscript NO: 12712

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

- (1) p.3: “phsycomedical” has been revised as “psychomedical”
- (2) p.6: “adpose” has been revised as “adipose”
- (3) p. 14: “.” after BMSCs, not “;”
- (4) p.20: “..while maintaining..” instead of “..while maintain..”
- (5) p.20 : efforts suggest..” and not “..efforts suggests..”
- (6) p.20 : Immunogenicity: In the last couple of decades, there has been extensive research to develop the therapeutic potential of stem cells. As these cells are known to be capable of differentiating into various cell types, numerous reports on systemic administration of stem cells leading to functional improvements based on the paradigm of engraftment and differentiation have been published.

More recently, various perinatal stem cells have been shown to possess immunomodulatory properties. These include suppression of T cell proliferation, influencing dendritic cell maturation and function, suppression of B cell proliferation and terminal differentiation, and immune modulation of other immune cells such as NK cells and macrophages.

The intriguing immunomodulatory aspect of perinatal stem cells indicated themselves as a translational medicine for treatment of immune diseases such as graft-versus-host disease, rheumatoid arthritis, SLE and multiple sclerosis. However, the mechanisms underlying the immunoprivileged and immunosuppressive effects of perinatal stem cells have not yet been clearly defined.

3 References were not changed because

One reviewer suggested that references may be too much, ( beyond the scope of journal). While another reviewer said that: the manuscript might be the review article, and if so, please state sentences with citing adequate references. I think it is better to let the editors of the journal make the decision whether to cite more or less references.

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

Sincerely yours,  
Xudong Wang