



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 56404

Title: Inflammatory bowel disease: Therapeutic limitations and prospective of the stem cell therapy

Reviewer’s code: 00505755

Position: Editorial Board

Academic degree: PhD

Professional title: Senior Research Fellow

Reviewer’s Country/Territory: Japan

Author’s Country/Territory: United States

Manuscript submission date: 2020-04-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-04-30 00:48

Reviewer performed review: 2020-05-01 08:03

Review time: 1 Day and 7 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

This is an important article about inflammatory bowel disease. The conclusion may be revised to clarify the major therapeutic approach to treat the disease more in detail. Proofreading is needed.



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 56404

Title: Inflammatory bowel disease: Therapeutic limitations and prospective of the stem cell therapy

Reviewer's code: 02446223

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor, Postdoctoral Fellow

Reviewer's Country/Territory: Italy

Author's Country/Territory: United States

Manuscript submission date: 2020-04-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-05-02 07:37

Reviewer performed review: 2020-05-06 15:17

Review time: 4 Days and 7 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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SPECIFIC COMMENTS TO AUTHORS

The review by Rangnath Mishra and coll. gives an interesting update on inflammatory bowel diseases and stem cells. Title, abstract and keywords are adequate for the manuscript subject. The background clearly describes the state of the art and the problem and, more in general, the review is very exhaustive and clear, maybe just a little too long, being in some points prolix. In general, the review is quite original and it underlines the potential role of stem cells for the treatment of bowel diseases. My only suggestion is to try to shorten some paragraph (such as "The underlying mechanisms..."), to make the text more readable. Figures and tables are very useful and they help the reader.



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 56404

Title: Inflammatory bowel disease: Therapeutic limitations and prospective of the stem cell therapy

Reviewer's code: 03950632

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: United States

Manuscript submission date: 2020-04-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-04-29 17:02

Reviewer performed review: 2020-05-06 16:42

Review time: 6 Days and 23 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

This review titled "Inflammatory Bowel Disease: Therapeutic Limitations and Prospective of the Stem Cell Therapy" does not fit its content, as much of the review focuses on Anti-IBD therapies: current status and potential challenges. There are few keywords. The table is very disorganized, in some parts it gives the reference from where the information was obtained, but not in all. The table refers to therapies without stem cell involvement. The conclusions and future directions are focused on stem cell therapy and the figures have good quality and they are appropriately illustrative of the paper contents. Concerns: 1-Table 1 must be re-written and add a specific column to place the references where the described information is found. 2-It would be very useful if the authors made a table with the stem cell therapies that are being tested in animals and those that have already made the leap to the clinic on an experimental basis. 3-Please, check on page 6 if Reference 20 is really describing that individual's gut microbiota is shaped not only by the genetic predisposition but also by environmental factors including diet , exposure to the antibiotics, physical activity and financial status. 4-Total words of main document is missing.



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 56404

Title: Inflammatory bowel disease: Therapeutic limitations and prospective of the stem cell therapy

Reviewer's code: 03472394

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Lecturer, Senior Researcher, Senior Scientist

Reviewer's Country/Territory: Russia

Author's Country/Territory: United States

Manuscript submission date: 2020-04-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-04-29 22:21

Reviewer performed review: 2020-05-19 11:36

Review time: 19 Days and 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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SPECIFIC COMMENTS TO AUTHORS

The role of MSCs in therapy of Inflammatory Bowel Disease is a very actual problem in regenerative medicine. The manuscript is very informative and of a good quality, but has several little drawbacks: 1. Source No. 3 "cdc, c., Data and Statistics. 2019" is not indicated correctly. Could you please give more precise reference? 2. Title "Where do we stand: Current knowledge of the disease prevalence and pathobiology?" was formulated as a question. I believe that either all the titles should be phrased in the form of questions, or it is worth reformulating the title of this chapter (not as a question). 3. In the part "... and believed to promote disease severity, relapse, and its progression to neoplastic transformation and growth [6, 10]." you could also mention colorectal cancer. 4. In the sentence "Notably, almost 100 trillion bacteria commensally inhabit the GI tract of a normal human [13]." please make a link to the source. 5. "A number of factors which are suspected to promote IBD include polymorphisms in genes like NOD2 / CARD15 [21, 27], CCR6, ICOSLG, JAK2 / STAT3, FIT2, PTPN2, ATG16L1, NRP3, CARD9, IRGM1 and a few others [25, 26]." Is it possible to reduce the number of given genes? 6. You mention monozygotic twins, but in my opinion this is not quite correct. Since IBM is a multifactorial disease, it cannot be argued that this disease in twins is caused uniquely by a genetic predisposition. 7. In the "potent contributory factor in individuals of early age groups" part, you should specify the age group you mean. 8. Similar incidences have been observed in clinical trials [54]. Please indicate which drug was tested, on the basis of which plasmid.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Manuscript NO: 56404

Title: Inflammatory bowel disease: Therapeutic limitations and prospective of the stem cell therapy

Reviewer's code: 03950632

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: United States

Manuscript submission date: 2020-04-29

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-08-07 08:04

Reviewer performed review: 2020-08-07 08:39

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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SPECIFIC COMMENTS TO AUTHORS



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The authors have adequately answered the reviewers, making the corrections and modifications suggested by them in this new version of the manuscript.



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Author's Country/Territory: United States

Manuscript submission date: 2020-04-29

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-08-07 13:23

Reviewer performed review: 2020-08-07 13:33

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS



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The paper is now acceptable for publication