

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 54582

Title: Acquired aplastic anemia: is bystander insult to autologous hematopoiesis driven by immune surveillance on malignant cells?

Reviewer's code: 00503929

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2020-02-14

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-07-24 13:40

Reviewer performed review: 2020-07-28 20:37

Review time: 4 Days and 6 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 Grade E: Do not publish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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

Major Comment. The authors provide a very detailed account of a clinical case and raise a pathogenetic hypothesis. While the description is adequate, there is little direct evidence for the proposed pathogenetic mechanism (namely that bone-marrow suppression is an antineoplastic defense) in the clinical data. Interpretation of the patient's data should be done with great caution, because this patient received a very large number of distinct treatments over many years, each one of which may have contributed to this unfavorable outcome. Minor comments. "driver of the deranged autoimmunity" - I suggest to change to "the driving force behind the autoimmune disorder". "A reduced ratio of CD4+/CD8+ cells confirmed the cellular immune-mediated response [1,2]". This sentence is unclear. Why should a reduced ratio of CD4+/CD8+ cells provide evidence of cellular immune-mediated response, and against what antigens would this response be directed? I found the photomicrographs not very useful. The reader might be helped by the inclusion of arrows pointing to the cells specifically bearing features of interest referred to in the text.

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Name of journal: World Journal of Stem Cells

Manuscript NO: 54582

Title: Acquired aplastic anemia: is bystander insult to autologous hematopoiesis driven by immune surveillance on malignant cells?

Reviewer's code: 03465354

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-02-14

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-07-24 14:00

Reviewer performed review: 2020-07-30 16:51

Review time: 6 Days and 2 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 type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" 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

The present clinical case reports a 30-y.o. patient with severe aplastic anemia who developed hematological response to gut inflammatory condition treatment. My main concern regarding this manuscript is in its structure. The whole text is presented in a single body text. My opinion is that the whole manuscript should be structured into specific sections, depending on the journal requirements. Also, it would be much better if the presented laboratory results are ordered into tables. No abstract was provided, thus it was not reviewed.

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 54582

Title: Acquired aplastic anemia: is bystander insult to autologous hematopoiesis driven by immune surveillance on malignant cells?

Reviewer's code: 00646291

Position: Peer Reviewer

Academic degree: PhD

Professional title: Senior Lecturer

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2020-02-14

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-07-26 08:50

Reviewer performed review: 2020-07-31 21:33

Review time: 5 Days and 12 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 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
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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

SPECIFIC COMMENTS TO AUTHORS

Clear recommendations arising from the lessons learned from this case study should be included for the benefit of scientists and clinicians working in this field. Minor points

Line 4: "...by theses unwanted..." Line 11: "...mechanisms imposed on HSPCs" instead of imposing Line 38: "Referances:" Figure 3 figure legend: The word proposition needs to be replaced (proportions?).

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Stem Cells

Manuscript NO: 54582

Title: Acquired aplastic anemia: is bystander insult to autologous hematopoiesis driven by immune surveillance on malignant cells?

Reviewer's code: 00503929

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2020-02-14

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-09-21 13:55

Reviewer performed review: 2020-09-21 14:00

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 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
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SPECIFIC COMMENTS TO AUTHORS



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My queries have been appropriately addressed by the authors.

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Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-02-14

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-09-21 14:04

Reviewer performed review: 2020-09-22 18:40

Review time: 1 Day and 4 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
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I do not have additional comments regarding the manuscript.