

PEER-REVIEW REPORT

Name of journal: World Journal of Immunology

Manuscript NO: 47279

Title: On the Immunological Limitations of Hibernation and Synthetic Torpor as a Supporting Technique for Astronauts' Radioprotection in Deep Space Missions

Reviewer's code: 02577402

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: China

Author's country: United States

Reviewer chosen by: Li-Jun Cui (Quit in 2019)

Reviewer accepted review: 2019-07-04 02:41

Reviewer performed review: 2019-07-06 14:23

Review time: 2 Days and 11 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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In this study, the authors discussed immunological limitations of hibernation and synthetic torpor as a supporting technique for astronauts radioprotection in deep space missions. Some problems existed. 1. Use of abbreviations: When using an abbreviation, the full phrase has to be given at the first time of use. Later you can always use the abbreviation without mentioning the full phrase. If an abbreviation is used only once or twice, the full phrase has to be used. However, the authors did not abide by this rule. Some abbreviations were used in this study without the full phrase being given. For example, what do LPS, GCR, SPE, HZE etc mean in the abstract and text as well? 2. Can you explain more about synthetic torpor? Does it mean artificial hibernation? How is it achieved in deep space mission? 3. The sentence “ We have previously noted that the limitations of physical and biological protection of astronauts against space radiation is a key issue that should be properly-----” is not correct, and the “is” should be replaced by “are”. 4. Key words: Immunological effect or immunology should be added as another key word.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

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[Y] No