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| Book Name: | [Medical Science: Recent Advances and Applications](https://bookstore.bookpi.org/product/medical-science-recent-advances-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5127** |
| Title of the Manuscript:  | **Membrane Lipid Replacement with Glycerolphospholipids Slowly Reduces Self-Reported Symptom Severities in Chemically Exposed Gulf War Veterans** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**International Journal of Translational Medicine, 2022, 2, 164–173.**

[**https://doi.org/10.3390/ijtm2020014**](https://doi.org/10.3390/ijtm2020014)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This study investigates the potential of Membrane Lipid Replacement (MLR) with glycerolphospholipids to alleviate symptoms in Gulf War veterans suffering from Gulf War Illness (GWI). This research holds significant clinical importance as it tackles a difficult-to-manage health condition for which effective treatments are scarce. The study investigates a new therapeutic strategy, and the observed decreases in symptom intensity offer encouraging preliminary results. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | * **There are limited conclusions due to initial stage and has potential for Bias from Non-Blinded Approach.**
* **Study r**elies on participants' own assessments of their symptoms introduces the possibility of personal biases affecting the data.
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| **Is the manuscript scientifically, correct? Please write here.**  | * The absence of a comparison group makes it impossible to definitively say that the observed improvements were due to the MLR supplement alone.
* A larger group of participants would provide more statistically reliable and widely applicable results.
* It lacks concrete, measured data to confirm this proposed process.
* The study's exclusive use of male participants limits the ability to apply the results to female.
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | * Some references touch on the complexities of GWI, the chapter would benefit from a more thorough discussion of the illness's epidemiology, pathophysiology, and diagnostic challenges.
* While older references may still be relevant, the chapter should include more recent studies.
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| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments | The lack of a comparison group, such as those receiving a placebo or standard treatment, makes it impossible to definitively attribute symptom improvements to MLR The study's small group of 16 participants restricts the applicability of the findings to the broader GWI population. A more standardized diagnosis protocol would strengthen the study.The six-month study duration may not be sufficient to assess the long-term effectiveness and safety of MLR for GWI. Longer follow-up studies are needed to determine if symptom improvements are sustained and to monitor for long-term adverse effects. |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Rahul Choudhury, BCDA College of Pharmacy and Technology, India**