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| Book Name: | [Medical Science: Trends and Innovations](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4242** |
| Title of the Manuscript:  | **Neurophysiological Basis of Electroacupuncture Stimulation in the Treatment of Cardiovascular-Related Diseases: Vagal Interoceptive Loops** |
| Type of the Article | **Book chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | 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 manuscript provides significant contributions to the scientific community by shedding light on the intricate relationship between vagal sensory nerves (VSNs), electroacupuncture (EA), and cardiovascular health. The proposed strategy of utilizing EA to regulate VSN activity offers a novel approach for enhancing cardiovascular conditions by modulating the interoceptive loop. By elucidating the multidimensional coding patterns of the VSNs and their crucial role in controlling heart function, the study provides a deeper understanding of how interoceptive awareness can be targeted to improve cardiovascular outcomes. This work lays the foundation for future research into non-invasive therapies that could prevent or mitigate cardiovascular diseases by harnessing the power of vagal nerve regulation. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title is very specific in its focus on the vagus nerve and interoception within cardiovascular disease treatment. This specificity could be a strength if the article dives deep into this particular aspect, but it may limit the broader appeal unless the research is strongly focused on this particular mechanism. |  |
| 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. | The abstract is comprehensive but could be improved by making it more concise and clearer. The purpose should more directly link the vagal sensory nerve (VSN), electroacupuncture (EA), and cardiovascular health, while the method section should specify the study approach more clearly. The findings section could explicitly state the core conclusion, emphasizing how EA targeting VSNs can enhance cardiovascular health. Additionally, clarifying technical terms like "multidimensional coding pattern" and "interoceptive loop" would help broaden accessibility. A more streamlined and focused abstract would strengthen the overall message. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscripts is largely scientifically accurate but could benefit from minor refinements. The term "vagal sensory nerve" is not commonly used in the literature; it would be more precise to refer to "vagal afferent fibers." The claim that electroacupuncture (EA) "effectively prevents cardiovascular diseases" might be too strong without clear evidence, so a more cautious phrasing would be better. Additionally, while the concept of "multidimensional coding" in vagal sensory pathways is plausible, it could use further clarification. Overall, with these adjustments, the abstract would better align with current scientific understanding and maintain precision |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The manuscript would be well-supported by existing literature. It also demonstrates that the authors have considered the most recent developments and have positioned their work within the current state of the field. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language quality is suitable for scholarly communication, but refining sentence structure and ensuring clarity in some areas would further improve the manuscript's readability and precision. |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with 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 details)* |  |

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| **Reviewer Details:** |
| Name: | **Mukesh Kumar Saini** |
| Department, University & Country | **United States of America** |