|  |  |
| --- | --- |
|  | |
| 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\_5353** |
| Title of the Manuscript: | **The Impact of Iron on Cancer-Related Immune Functions in Oncology: Molecular Mechanisms and Clinical Evidence** |
| 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.**

**Cancers 2024,**

**DOI:** [**https://doi.org/10.3390/cancers16244156**](https://doi.org/10.3390/cancers16244156)

|  |  |  |
| --- | --- | --- |
| 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 chapter is a valuable and comprehensive synthesis of existing literature, highlighting the dual role of iron—both deficiency and overload—in cancer immunology and therapy. By consolidating preclinical and clinical evidence, it provides a robust understanding of how iron metabolism impacts immune function and oncological outcomes. It underscores novel therapeutic strategies such as iron chelation and ferroptosis induction, which are emerging as potential adjuncts to current cancer therapies. The manuscript’s depth and clarity make it a strong contribution to translational oncology and immunometabolism. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, the title is clear and accurately reflects the content. No change suggested. |  |
| 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. | Yes, the abstract is concise and effectively outlines the manuscript’s scope and conclusions. However, the authors may consider emphasizing the potential clinical applications of iron modulation and its synergy with immunotherapy more clearly in the abstract. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, the manuscript is scientifically robust and technically sound. It is well-supported by recent references and presents a coherent narrative. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | Yes, the manuscript includes an extensive and up-to-date list of references, covering key publications and relevant findings from 2019–2024. No additional references are required. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, the language is scholarly, precise, and clear. Minor editorial polishing may improve flow but is not essential. |  |
| Optional/General comments |  Figures are well-designed and add clarity.   A dedicated table summarizing therapeutic strategies (e.g., chelation agents, ferroptosis inducers, etc.) could enhance readability for clinicians.   The discussion would benefit from a brief section on future directions and potential biomarkers for clinical stratification.  The manuscript is scientifically sound, needs only minor improvements in abstract focus and potential addition of summary tables. |  |

|  |  |  |
| --- | --- | --- |
| **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?** |  |  |

**Reviewer details:**

**Shubbhrat Maheshwari, Sam Higginbottom University of Agriculture Technology And sciences, India**