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| Journal Name: | [**Asian Journal of Medical Principles and Clinical Practice**](https://journalajmpcp.com/index.php/AJMPCP) |
| Manuscript Number: | **Ms\_AJMPCP\_136808** |
| Title of the Manuscript: | **HARNESSING DIGITAL TWINS: REVOLUTIONIZING THE PHARMACEUTICAL INDUSTRY** |
| Type of the Article |  |

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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** (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 paper offers an important and timely contribution to pharmaceutical manufacturing and research literature through an exploration into the revolutionary potential of digital twin technology. With growing pressure for efficiency, personalization, and compliance in the pharmaceutical sector, this paper offers important insights into how drug development, clinical trials, and manufacturing processes can be transformed using digital twins. The use of recent examples from industry leaders supports the pragmatic interest and potential for applied impact for these concepts, making this paper highly relevant for researchers, industry experts, and policymakers seeking to capitalize on digital innovation for enhanced healthcare benefits." | This review contributes to the growing field of digital transformation in pharma by presenting real-world case applications of digital twins in development, manufacturing, and clinical research. It helps both researchers and policy-makers understand its practical and strategic impact. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, the title "Harnessing Digital Twins: Revolutionizing the Pharmaceutical Industry" accurately reflects the core focus of the manuscript. | Title has been updated as suggested to: “Digital Twins in Pharmaceuticals: A Narrative Review with Industry Case Insights” to improve clarity and relevance. |
| **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 well-structured and covers the background, objectives, methods, key results, and conclusions effectively. However, it could benefit from briefly mentioning the main challenges or limitations associated with digital twin implementation in pharmaceuticals to provide a more balanced overview. Additionally, including a sentence about future directions or research gaps could enhance its completeness. | The abstract has been updated to state that this is a narrative review, include methodological overview, key themes, and results summary to meet scientific expectations. |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript appears scientifically sound. | Yes, we confirm the scientific accuracy of the information. We have clarified methods and strengthened analytical discussion throughout. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | To strengthen the manuscript, I suggest including additional peer-reviewed articles on digital twins' regulatory aspects or recent advancements in AI integration within pharmaceutical processes. | Yes. References have been updated. We replaced non-journal/grey literature sources with peer-reviewed articles from IEEE Access, JMIR, NPJ Digital Medicine, and Elsevier (2020–2025). |
| **Is the language/English quality of the article suitable for scholarly communications?** | Minor grammatical and stylistic adjustments could enhance readability, but overall, the manuscript communicates its ideas effectively. | The manuscript has been fully edited for grammar, clarity, tone, and academic phrasing. Promotional or casual language was replaced with a scholarly tone. |
| **Optional/General** comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (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)* | There are no ethical issues, as the work is based entirely on secondary sources and literature synthesis. |