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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\_6043** |
| Title of the Manuscript:  | **AI and Virtual Reality Integration for Surgical Training and Skill Enhancement** |
| Type of the Article | **Book Chapter** |

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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.** | **The manuscript is of significant importance to the scientific and medical education communities, as it comprehensively reviews the roles of AI and VR in surgical education and training. Using recent research, it pinpoints major applications of AI systems and VR-based simulations in enhancing surgical training through realistic and immersive experiences. It also states the efficacy of the systems for multiple and reproducible surgical procedures, which minimizes the usage of real patients. By properly mentioning the challenges and limitations of AI and VR systems in surgical training, it uses a balanced approach, calling for further research and technological advancements.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **I suggest the following title, as it is one of the chapters of a book: *Artificial Intelligence and Virtual Reality in Surgical Training: Enhancing Skill Acquisition and Procedural Proficiency.*** |  |
| 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. | **I found the abstract great; however, it lacks the methodology used in the review, the limitations of artificial intelligence and virtual reality systems in surgical training—as included in the body of the manuscript—and it did not mention some real-world examples of AI and VR systems that are currently employed in surgical settings, which would significantly support the credibility of the systems.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes, it is scientifically correct.**  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes**  |  |
| 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 details)* |  |

**Reviewer details:**

**Yonas Getenet Bekele, China**