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| Book Name: | [**Science and Technology: Developments and Applications**](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5018** |
| Title of the Manuscript:  | **Artificial Intelligence and Machine Learning in Urology: Present Landscape and Future Directions** |
| 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.** | This manuscript is of significant importance to the scientific community as it provides a comprehensive overview of the transformative role of artificial intelligence (AI) and machine learning (ML) in urology. By exploring AI-driven advancements in diagnostics, robotic-assisted surgery, predictive analytics, and patient monitoring, it highlights how these technologies enhance clinical decision-making and improve patient outcomes. Additionally, the manuscript addresses critical challenges such as data bias, regulatory constraints, and ethical considerations, which offers valuable insights for researchers, clinicians, and policymakers. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, the title is suitable. |  |
| 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 of the manuscript is comprehensive but could be improved in the following regards: 1. Mention of Specific AI Techniques:

The abstract broadly states AI’s role in urology but does not specify which AI methodologies (such as deep learning or reinforcement learning) are most relevant.1. Clarification on Regulatory and Ethical Challenges:

The abstract notes regulatory and ethical issues but does not specify key concerns, such as data bias or patient privacy. Adding 1-2 words specifying these concerns would improve the abstract. |  |
| **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, they are sufficient and span a suitable timeline. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, it is suitable. |  |
| Optional/General comments | The article/chapter is well written, technically in-depth and suitably written. It adds to the current knowledge surrounding the topic and paves way for future research. |  |

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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?**  |  |  |

**Reviewers:**

**Muhammad Faraaz Ismail, Thumbay University Hospital, United Arab Emirates**