

Review Form2

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|--------------------------|--------------------------------------------------------------|
| Book Name:               | Science and Technology - Recent Updates and Future Prospects |
| Manuscript Number:       | Ms_BPR_1831                                                  |
| Title of the Manuscript: | Artificial Intelligence in Pathology: Present and Future     |
| Type of the Article      | Book chapter                                                 |

PART 1: Review Comments

| Compulsory REVISION 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 few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.                          | 1.This manuscript is a vital contribution to the scientific community, offering a comprehensive overview of the current state and future directions of artificial intelligence in pathology.<br>2.By exploring the potential of AI to transform pathology services, this work has significant implications for the advancement of precision medicine and patient care. The insights and analyses presented in this manuscript will inform and inspire researchers, clinicians, and industry experts, fostering collaboration and driving innovation in the field.<br>3. This manuscript provides a valuable resource for educators and students, facilitating the development of curricula and training programs that address the growing need for AI literacy in pathology.                        |                                                                                                                                                             |
| Is the title of the article suitable?<br>(If not please suggest an alternative title)                                                                                                                                     | This title is suitable! It concisely and accurately reflects the content of the article, highlighting the main theme of addressing the gap between research and clinical application of AI in pathology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                             |
| Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.                                                                   | <ul style="list-style-type: none"><li>- Specifically highlight the main challenges and limitations of AI in pathology</li><li>- Mention any novel or innovative approaches or solutions presented in the article</li><li>- Emphasize the significance and impact of the article's findings on the field of pathology and healthcare</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |
| Are subsections and structure of the manuscript appropriate?                                                                                                                                                              | This structure logically flows and covers all essential aspects of the topic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |
| Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound?Minimum 3-4 sentences may be required for this part. | <ol style="list-style-type: none"><li>1. The manuscript's scientific robustness is further evident in its clear explanation of technical concepts, making it accessible to a broad audience. The author's expertise in the field is apparent, and their thoughtful consideration of future directions and potential applications demonstrates a deep understanding of the subject matter.</li><li>2. This manuscript demonstrates scientific correctness through its thorough review of the current state of artificial intelligence in pathology, accurately capturing the complexities and challenges in this field.</li><li>3. This manuscript exemplifies scientific correctness, showcasing a meticulous and comprehensive approach that solidifies its credibility and reliability.</li></ol> |                                                                                                                                                             |
| Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.<br>:-                                                                                       | The manuscript's references are sufficient and recent, demonstrating the author's effort to provide a comprehensive overview of the current state of AI in pathology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                             |

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| Minor REVISION comments<br><br>Is language/English quality of the article suitable for scholarly communications? | 1. Alignement is needed<br>2. Yes, the language and English quality of the article appear suitable for scholarly communications |  |
| Optional/General comments                                                                                        | 1. Graphical representation not there<br>2. No Table content                                                                    |  |

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) |                                                                                                                                                                              |

Reviewer Details:

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|----------------------------------|-----------------|
| Name:                            | Polasi Sudhakar |
| Department, University & Country | JNTUK, India    |