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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\_5674** |
| Title of the Manuscript:  | **AI and Big Data: Pioneering the Next Generation of Health Care Solutions in Cancer Treatment** |
| 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 chapter offers a thorough and perceptive analysis of the ways in which Big Data and Artificial Intelligence (AI) are changing the cancer care landscape. The manuscript addresses a wide range of topics, including ethical issues, real-world case studies, early detection, diagnosis, and treatment personalisation. It is written clearly, has a lot of references, and is well-structured. By combining recent applications and new developments, the chapter significantly advances the field and provides a solid basis for technologists, researchers, and clinicians. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Title is apt and accurate for written content |  |
| 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. | In general, the abstract is thorough, To improve clarity a few minor changes are necessary example: "healthcaredelivery" can be rephrased with "healthcare delivery"and include a brief discussion of case studies. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes. Manuscript integrate clinical and technical aspects |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | Yes, there are enough and current references. Many primary sources, meta-analyses, and policy documents pertaining to AI, Big Data, and oncology are included in this chapter. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript contains a number of grammatical errors. To meet the requirements for scholarly publication a comprehensive proofreading are advised. |  |
| Optional/General comments | * Think about making the conclusion more concise by avoiding repetition and highlighting the most important takeaways.
* Make sure that the tables, figures, and section headings are formatted consistently.
* At first mention, acronyms (such as EHR, PROs, and CDSS) should be defined and used consistently.
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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?**  |  |  |

**Reviewer details:**

**R.Sriramkumar, Dayananda Sagar University, India**