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| Journal Name: | [**Asian Journal of Orthopaedic Research**](https://journalajorr.com/index.php/AJORR) |
| Manuscript Number: | **Ms\_AJORR\_132140** |
| Title of the Manuscript: | **Evaluating the Diagnostic and Clinical Value of Lumbar Spine CT: A Systematic Review** |
| Type of the Article | Systematic Review 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 *(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.** | **There is still need of ct scan especially in surgical settings.** | We agree that CT is essential for fracture detection, which plays a critical role in assessing the indication for surgical procedures and determining surgical access. This article aims to serve as a foundational piece for future research in this area. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title is good it needs no editing.** | NA |
| 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. | **It is comprehensive but other addition of some uses of the CT scan in surgical settings and surgical planning. It needs minor editing** | While this article focuses primarily on the clinical value of CT in fracture detection and BMD estimation, we acknowledge that other aspects, such as its role in surgical settings, could not be fully covered due to the scope of the review. This article aims to serve as a foundation for future research in this area. |
| Is the manuscript scientifically, correct? Please write here. | Yes it is correct but incomplete data | NA |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are very good and recent | NA |
| Is the language/English quality of the article suitable for scholarly communications? | It need a revision and summarization | The revisions mentioned above have been effected. |
| Optional/General comments |  | Thank you for your comment. We agree that CT scans are needed in surgical settings. While our manuscript focuses on the dual role of imaging in diagnosing fractures, osteoporosis and BMD assessment for the lumbar spine, we acknowledge that CT is also vital in surgical settings. We have incorporated mentions of this aspect in the manuscript to address your feedback. |

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| **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)* | NA |