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REVIEWER'S REPORT

Manuscript No.: IJAR-57783

Title: A Comparative Deep Learning Framework for Automated Lung Cancer Detection and Classification Using CNN and Residual Networks

Recommendation:

Accept as it is .....
✓ Accept after minor revision.....
Accept after major revision .....
Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Name: Dr S. K. Nath

Detailed Reviewer's Report

Strength of the study:

- The study focuses on an important healthcare problem where early diagnosis has strong clinical value
- The topic is relevant and timely with practical use in medical image analysis
- The methodology is clearly structured from image acquisition to classification
- Comparison between CNN and ResNet improves the quality of analysis
- Results are presented with performance metrics such as accuracy, sensitivity, specificity, and F1 score
- The conclusion is useful and shows potential application in clinical screening support

Weakness of the study:

- Ethical clearance or statement regarding dataset usage permission is not clearly mentioned in the manuscript
- Language editing is needed in several sections to improve grammar and sentence flow
- Some repetition is present in the introduction and discussion sections
- More details on dataset size and validation strategy would strengthen the study
- The limitations of the model in real clinical settings are not discussed adequately
- Figure captions and formatting can be improved for better readability

Reviewers Comments:

This manuscript presents a relevant and meaningful study on automated lung cancer detection using deep learning models based on CT scan images. The comparison between CNN and ResNet adds value and makes the work scientifically useful. The methodology is well organized and the performance outcomes are clearly reported with appropriate evaluation measures. The findings are encouraging and show that the proposed framework may be useful for computer-assisted diagnosis in future clinical practice. The manuscript is generally readable, but grammar and sentence construction need careful revision in several sections. Some paragraphs are repetitive and can be shortened for clarity. Ethical clearance is not clearly mentioned. Since the study uses secondary CT image datasets, the authors should add a statement regarding dataset source, public availability, or ethical exemption. The limitations section should also be expanded, especially regarding dataset dependency and real-world clinical implementation. Overall, this is a useful study with practical significance and it is suitable for publication after minor revision.

Previously Published anywhere/Plagiarism check:

There is no clear indication that the manuscript has been published previously. The work appears original and based on computational analysis using available CT image datasets. The references used are relevant to the topic. A routine plagiarism check should be completed by the journal before publication to confirm originality and to identify any possible overlap in wording with previously published literature.