

Review Form 3

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_129964
Title of the Manuscript:	Analysis of the Efficiency of Iterative Reconstruction Techniques in Reducing Radiation Dose in Computed Tomography: A Clinical Feasibility Study
Type of the Article	

PART 1: Comments

	Reviewer’s comment	Author’s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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Is the language/English quality of the article suitable for scholarly communications?		
<u>Optional/General</u> comments	<p>In the context of validating radiation dose information when utilizing iterative reconstruction techniques in computed tomography (CT), it is noted that <b>the article lacks information regarding the equipment and methodologies employed.</b></p> <ol style="list-style-type: none"><li><b>Phantom Studies for CTDI Dosimetry</b> o Are there any dedicated phantom studies that focus on <b>CTDI (Computed Tomography Dose Index) dosimetry</b>? This information is crucial for understanding how radiation doses are measured and validated in clinical practice.</li><li><b>Quantitative Image Quality Analysis</b> o To quantitatively analyze image quality, particularly regarding <b>signal-to-noise ratio (SNR)</b> and <b>contrast-to-noise ratio (CNR)</b>, what methodologies are employed in this study? Understanding the methods used for this analysis is essential for assessing the validity of the findings.</li><li><b>Validation of Suggested Results</b> o The suggested results should be based on reported data and validated through measurements. Could you please elaborate on this aspect? A clearer explanation of how the results is corroborated with empirical data would enhance the credibility of the research.</li></ol>	Thanks for the comments. Noted and revised as per the suggestions

PART 2:

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
Are there ethical issues in this manuscript?	<u><i>(If yes, Kindly please write down the ethical issues here in details)</i></u>	