

**Review Form 3**

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	Ms_AIR_125442
Title of the Manuscript:	<b>The Effect of Tube Voltage Variations on CT Scan Image Quality at Prof. I G. N. G. Ngoerah General Hospital, Denpasar</b>
Type of the Article	

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p><b>Optimizing Diagnostic Accuracy:</b> This study is crucial for enhancing the quality of CT scan images, which are essential for accurate diagnosis. By analyzing how variations in tube voltage affect image quality, the research can help radiologists make more informed decisions about settings that maximize diagnostic clarity while minimizing errors.</p> <p><b>Radiation Dose Management:</b> Adjusting tube voltage directly influences the amount of radiation a patient is exposed to. Understanding the relationship between tube voltage and image quality can lead to optimized protocols that reduce unnecessary radiation exposure, improving patient safety without compromising the quality of medical images.</p> <p><b>Improving Hospital Practices:</b> The findings from this study could contribute to better CT scan practices at Prof. I G. N. G. Ngoerah General Hospital and beyond. By identifying optimal tube voltage settings, the hospital can enhance its imaging protocols, leading to improved patient outcomes and more efficient use of technology.</p> <p><b>SEE ATTACHMENT</b></p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title is suitable for the publication</p>	
<p>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.</p>	<p>Yes</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>yes</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>The manuscript demonstrates scientific robustness and technical soundness through its clear methodology and focused objective. It systematically explores the effect of tube voltage variations on CT scan image quality, which is a well-established area of radiology that directly impacts diagnostic accuracy and patient safety. The study design appears to account for key variables, such as image quality parameters and radiation exposure, ensuring reliable and reproducible results. Additionally, the research addresses a practical concern in medical imaging, making the findings relevant and applicable in clinical settings, further reinforcing its scientific value.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes</p>	

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Minor REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes, but check my comments in the document	
<b>Optional/General</b> comments		

### **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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### **Reviewer Details:**

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