

### Review Form 3

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

#### **PART 1:** Review Comments

<u>Compulsory</u> REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This research work is vital to obtaining quality diagnostic and therapeutic CT imaging. It helps to select suitable tube voltage according to the site that is required to do CT scanning of the patient,(eg the pelvic site contains more bony structures, and the chest site contains more low electron density organs such as lungs) finding of this research helps to select better tube voltage for scanning to make lower the SNR and CNR.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes very much	
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.	The abstract has mentioned the SNR and CNR dependency with CT tube voltage of the phantom materials (as acrylic, nylon, polypropylene, etc.) I suggest defining the results and conclusion by names of the tissue types such as bony tissue, soft tissue, muscles, and Lung tissues, (not in materials contained in the phantom). Then the abstract will be more informative and useful for the readers.	
Are subsections and structure of the manuscript appropriate?	Yes, Good	
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.	Table 2 contains the error average value for Derlin at 100kV tube voltage. Statistical analysis of data is very good. Selected statistical tests are appropriate. Suggest continuing the research work for tube current also.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	yes	
<u>Minor</u> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<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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