

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_80634
Title of the Manuscript:	Establishment of correlation of Ki-67 proliferative index expression in the peritumoral tissue with tumor mass in ER (Estrogen Receptor) positive breast carcinoma
Type of the Article	Original Research Article

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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**PART 1: Review Comments**

	<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>Compulsory</b> REVISION comments	<p>In this paper the authors report that there is an increase in the MKI67 gene expression with grade of lesion. The proliferation marker has been assessed immunohistochemically in ERalpha/beta positive mammary tumor and peritumoral tissue. There is Ki67 overexpression marker positivity with lesion grade in the case of both with potential applicability in binomial detection of tumor of foci in tissue surrounding tumor.</p> <p>Reviewer feedback: Categorical Chi Square analysis is applied and it is shown that there is categorical correlation between Ki67 index of tumor tissue and peritumoral tissue (Table 4); a rank-based analysis is indicated as being applied.</p> <p>The questions for author are primarily regarding the statistical methodology, results and findings subsections of the manuscript. The main reproach is about Tables 4 and 7 and as to whether there are a series of continuous data points of Ki67 antigen marker expressions between tumor and tissue around tumor, if there are then the Spearman correlation coefficient could be applied by ranking of data and determining of the square-differences. With regards to Table 7 the main problem is that there can always be significance with Chi Square when there are &gt; 2 categories as there is summation; multiple Chi Sq tests could be performed or a logistic analysis with adjusted variables could be utilized. Furthermore, there appears to be a difference in the sample distribution for the present study in comparison to the prior literature studies as per the findings of Table 10. It would prudent for the authors to consult a statistician for further assistance; other comments include on Table 1, are the descriptive statistics sufficient and could Table 6 and 1 data be combined; and on Table 2, what is the Chi Sq value and P value significance?; Table 3, could this information be included in Table 1?</p> <p>The manuscript is an initial submission and can be re-submitted after the authors address the above reviewer feedback.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

**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>	

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