

Review Form 2

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|--------------------------|--------------------------------------------------------------------------------|
| Book Name:               | Medicine and Medical Research: New Perspectives                                |
| Manuscript Number:       | Ms_BPR_2347                                                                    |
| Title of the Manuscript: | In Vivo Comparison of Customized Zirconia Barriers in Guided Bone Regeneration |
| Type of the Article      | Book chapter                                                                   |

PART 1: Review Comments

| Compulsory REVISION comments                                                                                                                                                                                                          | Reviewer’s comment                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Author’s Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                        | Even though so many studies and meta analysis are there regarding GBR procedures, very limited studies available on customized GBR techniques and surgeries.By eliminating the need for hand-shaping and cutting during the procedure, the duration of the surgery is decreased, leading to a lower chance of complications. I consider this manuscript for publishing as it is a novel one.                                                                               |                                                                                                                                                             |
| Is the title of the article suitable?<br>(If not please suggest an alternative title)                                                                                                                                                 | If modification of title can be done.<br>COMPARATIVE EVALUATION OF GBR TECHNIQUES USING ZIRCONIA BARRIER MEMBRANE, TITANIUM MEMBRANE, AND D-PTFE MEMBRANE IN ANIMAL MODELS                                                                                                                                                                                                                                                                                                 |                                                                                                                                                             |
| 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.                                                                           | Yes abstract is comprehensive, statistical parameters can be incorporated in methodology if possible.                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                             |
| Are subsections and structure of the manuscript appropriate?                                                                                                                                                                          | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                             |
| 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. | It’s a well written manuscript on newer topic of customized GBR procedures on animal models.<br>As the significance of digital dentistry continues to grow, the handling of computer-aided design and manufacturing (CAD/CAM) has prompted scientists to create a novel membrane design that can be manufactured with particular defect shapes. This design could also aid in the creation of new bone growth. Additionally, the current research on this topic is scarce. |                                                                                                                                                             |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.<br>:                                                                                              | References are more than sufficient, but referencing pattern has to be checked and written accordingly.                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                             |

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| Minor REVISION comments                                                               |                                                                                                                                                                                           |  |
| Is the language/English quality of the article suitable for scholarly communications? | Language editing and proofing can be considered before final acceptance.                                                                                                                  |  |
| Optional/General comments                                                             | Discussion part is too lengthy, and it can be con-sized a little.<br>Overall it's a good one.<br>If the trial registered in any trials registry, please include the number and reference. |  |

PART 2:

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|                                              | Reviewer's comment                                                    | Author's comment(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) |
| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) |                                                                                                                                                                              |

Reviewer Details:

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|----------------------------------|---------------------------------------------------|
| Name:                            | Aysha Jebin                                       |
| Department, University & Country | Rajiv Gandhi University of Health Sciences, India |