

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_78509
Title of the Manuscript:	Effectiveness of Rocabado approach and Conventional Physiotherapy on pain, ROM and QOL in patients with TMJ dysfunction: Comparative Study
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:

(<https://www.journaljpri.com/index.php/JPRI/editorial-policy>)

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**PART 1: Review Comments**

	<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>Compulsory</b> REVISION comments	<p><b>The publication is very interesting. Congrats to the authors of the idea. However, there are language errors, editorial oversights and some factual errors in the publication. Please see my comments. I suggest enriching the work with my suggestions.</b></p> <p><b>Thank you for the opportunity to review this work. I wish you good luck in your further research.</b></p> <p>#1 "Effectiveness of Rocabado approach and Conventional Physiotherapy on pain, ROM and QOL in patients with TMJ dysfunction: Comparative Study" - please do not use the abbreviation in the title.</p> <p>#2 There is a misnomer in the text. TMD should be used as Temporomandibular joint disorders and not Temporomandibular joint dysfunction. Such a shortcut of TMD is used in most modern scientific works. Please correct throughout the text.</p> <p>#3 "The term Temporomandibular joint dysfunction (TMD) describes a group of conditions, that occurs in the region of temporo-mandibular, which is represented by pain in the temporo-mandibular joint (TMJ) or in masticatory muscles, or both.(1,2) " - the definition of TMD is not complete, see work below.</p> <p><i>"Disorders of the masticatory system (generally termed temporomandibular disorders, or TMDs) involve the muscles of mastication (chewing), the temporomandibular joints (TMJs), and associated nerves and tissues."</i></p> <p style="text-align: right;"><i><a href="https://www.ncbi.nlm.nih.gov/books/NBK557995/">https://www.ncbi.nlm.nih.gov/books/NBK557995/</a></i></p> <p>#4 "The pathophysiology of TMD is unknown. Physical (trauma, muscle spasms, chronic malocclusion, bruxism, or tooth grinding or clenching), biochemical (vitamin deficiency), and physiological (anxiety, stress, and depression) variables may all be involved. (12)" - It is worth noting that according to a recent study, not all stress and depression will be associated with TMD. Only certain levels of stress and depression are associated with TMD. See publications below. Please make this clear in the text.</p> <ul style="list-style-type: none"> <li>• <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7230290/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7230290/</a></li> <li>• <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8397028/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8397028/</a></li> </ul> <p>#5 Introduction - I miss the description of physiotherapy options for treating TMD, see publications below.</p> <ul style="list-style-type: none"> <li>• <a href="https://doi.org/10.3390/app10217750">https://doi.org/10.3390/app10217750</a></li> <li>• <a href="https://pubmed.ncbi.nlm.nih.gov/27472523/">https://pubmed.ncbi.nlm.nih.gov/27472523/</a></li> <li>• <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4706597/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4706597/</a></li> </ul>	

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	<p>#6 " The study was carried out from the duration July 2020 to May 2021 in the Department of Musculoskeletal Sciences, Ravi Nair Physiotherapy College, Sawangi (Meghe), Wardha, after the approval from Institutional Ethics Committee of Datta Meghe Institute of Medical Sciences, deemed to be University, with Reference No. DMIMS(DU)/IEC/2020-21/8969." - Add information that the study followed the tenets of the Declaration of Helsinki. Add information that patients signed informed consent and that they could opt out at any time.</p> <p>#7 - " Means and standard deviation were computed as part of descriptive statistics. Statistical analysis was performed using descriptive and inferential statistics, including the chi-square test, student's paired and unpaired t-test, and SPSS 27.0 version and GraphPad Prism 7.0 version software, with a significance level of 0.05. Table 1/ Fig 1 displays the comparison of all the outcome measures between both the groups n shows an improvement in the pain, TMJ dysfunction and quality of life, whereas the ROM is more improved in group A. Fig 2 displays the comparison of gender, which shows that the female patients were more in group A than in group B. Fig 3 which shows the age group, it is seen that the more patients were seen in the age group of 31-40 and 41-50 in group A. " b - Move this description to the end of Materials and Methods. The description of a statistic is a research method not a result.</p> <p>#8 - Discussion - I lack anatomical explanations, and biomechanical explanations of the results obtained. Suggests getting rid of publications older than 10 years from the discussion. Instead, add thorough explanations and anatomical connections that may have been responsible for improvements in patients.</p> <p>#9 - References - Authors do not stick to one citation style, please standardize references.</p>	
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<p><b>Minor</b> REVISION comments</p>	<p><b>Abstract</b></p> <p>#1 "TMDs" - expand the shortcut if this is your first time using it.                  #2 "TMJ" - expand the shortcut if this is your first time using it.                  #3 "TENS" - expand the shortcut if this is your first time using it.</p> <p><b>Introduction</b></p> <p>#4 change "(15)(16)." to "(15-16)"                  #5 change "(19)(20)" to "(19-20)"                  #6 change "(21)(22)" to "(21-22)"                  #7 change "(27)(28)" to "(27,28)"                  #8 "ROM" - you developed the abbreviation later than you used the abbreviation. Expand the shortcut as you use it for the first time.                  #9 <b>Observation and Results</b> - "S" and "NS" - develop these abbreviations under each table.</p> <p><b>Discussion</b></p> <p>#10 "QoL"- you developed the abbreviation later than you used the abbreviation. Expand the shortcut as you use it for the first time.                  #11 - "NPRS"- expand the shortcut if this is your first time using.                  #12 "OHIP"- expand the shortcut if this is your first time using.                  #13 - change " Kariny NOMURA" to " Nomura". - when you quote works, just give the author's last name without the first name                  #14 - change " Folake B Lawal" to "Lawal". - when you quote works, just give the author's last name without the first name.                  #15 - change " Ratan Khuman" to "Khuman" - when you quote works, just give the author's last name without the first name.                  #15 - " to the earliest study, carried out by Mezitis <i>et al.</i> in symptom free" - et al. why italics were used ?                  #16 please add a paragraph at the end of the discussion - limitations of the study</p>	
<p><b>Optional/General</b> comments</p>		

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

**Reviewer Details:**

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