



**SDI Review Form 1.6**

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| Journal Name:            | <b><u>British Journal of Applied Science &amp; Technology</u></b>                      |
| Manuscript Number:       | <b>2015_BJAST_17447</b>                                                                |
| Title of the Manuscript: | <b>The effects of active myofascial trigger point on anticipatory postural control</b> |
| Type of the Article      | <b>Original Article</b>                                                                |

**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

|                                     | 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Compulsory</b> REVISION comments | <ol style="list-style-type: none"> <li>1. Make it clear that the article was passed by the ethics committee in research and present your approval number.</li> <li>2. During the whole article the statistical data of significance are expressed as (<math>P &lt; 0/001</math>) did not want to say (<math>p &lt; 0.001</math>)? (lines 10 and 143-145).</li> <li>3. In line 13-14 is suggested that the EMG is a new method to evaluate MTP, disagree with your finds, because with the study can not conclude this.</li> <li>4. In line 50-52 is possible to observer had a matched sample, please insert a table with the pairing data of individuals (gender, age, height and weight) per individual.</li> <li>5. . Do you have excluded people with severe postural changes, as assessed the same? What scale was used? Did you need to have clinical diagnoses of postural changes?</li> <li>6. There were excluded women with fibromyalgia? This condition may create a bias in your study.</li> <li>7. In line 81-83, sample parameters and analysis have been described, please justify them and provide references to motivate its use therefore are not parameters observed in electromyography often.</li> <li>8. Why were excluded electromyographic signals above 450Hz? We have many</li> </ol> | <ol style="list-style-type: none"> <li>1. I add it in this manuscript.<br/>92/D/130/297<br/>28/2/92</li> <li>2. I corrected it.</li> <li>3. I modified it</li> <li>4. Add this table may be busy text but if you need, I add this table.</li> <li>5. Yes, we have not any scale for assessment, but we used of a clinical and visual assessment and people with severe postural changes had excluded.</li> <li>6. Yes, we excluded women with fibromyalgia. but i forget write it.</li> <li>7. I added it.</li> <li>8. The bandwidth is a normal activity in human muscle .We utilized electromyography(Micromed, UK). This tool have bandwidth(20-450)Hz.</li> <li>9. I used a picture of experimental</li> </ol> |



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|  | <p>electromyographic signals in the range of 600Hz. Justify.</p> <ol style="list-style-type: none"> <li>9. Provide a figure showing the position of the EMG electrodes.</li> <li>10. Justify the literature each point used.</li> <li>11. The electrodes of the cervical paraspinal muscle and lumbar paraspinal muscle showed no cross-talk? How avoided the same? What were the median frequency values the same?</li> <li>12. In line 91 describe "Involved side in the MTP group, and from dominant hand in the control group" because not matched the patients according to collect the MTP group?</li> <li>13. Show that also had data collected on the force platform also when classified collections.</li> <li>14. The figures in the table have no unity</li> <li>15. The Table 2 presented is very confuse, should present in a more clear way.</li> <li>16. In line 148-152 is reported that there are no studies to compare the results, I disagree with the placement. Studies such as:<a href="http://dx.doi.org/10.1016/j.jelekin.2010.04.006">http://dx.doi.org/10.1016/j.jelekin.2010.04.006</a>, and others show a view on the subject studied..</li> <li>17. During the discussion is presented several ideas represented in the Central Nervous System and muscle control, Are it insusceptible of discussion? Must add the researchers who contributed these ideas</li> </ol> <p>The article suggests that passed the committee of ethics of human beings, however this information is not clear.</p> | <p>of set up. this picture showed standing position of experiments. Also electrode placement of EMG is given in the text.</p> <ol style="list-style-type: none"> <li>10. we used of SENIAM method for electrode placement and we referred to reference[26 , 27]</li> <li>11. Cross talk is normal phenomena in the paraspinal muscles with extensor muscles group. Aim of this study is assessment of extensor groups that paraspinal muscles are chosen between them. In this study same as the more other studies assessed paraspinal muscle by EMG and electrode placement also same as them until cross talk is reduced.</li> <li>12. Because control group have not any MTP in the upper trapezius therefore at first patient group is assessment and were identified involved side after this stage control group is matched with them.</li> <li>13. We utilize force platform for visual monitoring at the moment of testing if the COP became in the range <math>\pm 1</math>cm was started test.</li> </ol> |
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|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>In this study force platform data analysis was not performed.</p> <p>14. I used of chart for showing of results more appropriate in edition of manuscript.</p> <p>15. Ok, I tried to do this work.</p> <p>16. I corrected it.</p> <p>17. I corrected and modified it.</p> |
| <b><u>Minor</u></b> REVISION comments   | <ol style="list-style-type: none"> <li>1. <b>In line 18-26 the entry is very confusing.</b></li> <li>2. <b>At 36-37 should be kept in line paragraph 35.</b></li> <li>3. <b>In line 46 is written "nticipatory" meant anticipatory?</b></li> <li>4. <b>They should better describe the titles of the tables.</b></li> <li>5. <b>The bibliographic references used in this study is very old, but has some classical authors, must update the same.</b></li> </ol> | <ol style="list-style-type: none"> <li>1. I corrected it</li> <li>2. I corrected it</li> <li>3. Yes, I corrected it.</li> <li>4. I modified and corrected it.</li> <li>5. Ok, I used of update references.</li> </ol>                                                        |
| <b><u>Optional/General</u></b> comments | The article presents a very different and important idea for the area of health, however presents many errors that must be corrected.                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                              |