



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">Journal of Advances in Medical and Pharmaceutical Sciences</a>                                    |
| Manuscript Number:       | Ms_JAMPS_32962                                                                                                |
| Title of the Manuscript: | Rationale of Polyunsaturated Fatty Acids Supplementation in the Frame of the Magnocellular Theory of Dyslexia |
| Type of the Article      | Minireview paper                                                                                              |

**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**

|                                     | 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 | <ul style="list-style-type: none"> <li>- Cells and measurements are supposedly done on <i>post mortem</i> human material, however, nothing is said about that. Livingstone et al. 1991 paper was made on <i>post mortem</i> human material and monkeys and they showed a histogram with the mean area of the cells in the visual cortex. Number of cells were not shown in their paper for some reason, perhaps because of difference between the 3 observers. Moreover, in that study, controls nor experimental groups are explained in ages, postmortem delay, and many other parameters that might be changing results. Currently those numbers should be better explained to be ethically published.</li> <li>- Line 126: omega-3 polyunsaturated fatty acids are mentioned as damaging the learning process, because of one patient and one correlation. However, many times in literature, omega-3 has been described as having many benefits for health and promoting other natural compounds for development and normal growth.</li> <li>- Some visual explanation about the visual cells in the visual cortex (i.e. anatomical differences between magnocellular and parvocellular) might be of some use. Or even a schema with the visual system explained, to focus the reader on the main area of explanation.</li> </ul> | <p>-I acknowledge the reviewer for this consideration, additional information has been added in the paper. Livingstone et al. 1991 studied <i>post mortem</i> human material. Maybe I have missed something but did not find any reference to monkeys in their paper published on the Proceedings of the National Academy of Sciences USA in 1991. Again, I presume the number of cells is reported in Table 1, page 7946, under the caption "n".</p> <p>- polyunsaturated fatty acids are not mentioned as damaging the learning process. On the contrary, in the paper evidence has been reviewed they have beneficial effect on reading and learning process in general, as well as on behavior and mood of school-age children. Based on the consideration of the reviewer, I have highlighted that PUFAs play an important role for health in general, and promote the normal development of the child.</p> <p>-Additional information about magnocells and parvocells has been provided in the introduction section.</p> |
| <b>Minor</b> REVISION comments      | <ul style="list-style-type: none"> <li>- Table 1: names in main columns are very small ("numeric name" is hardly visible).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>-Table 1 has been resized so as to make captions more readable.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Optional/General</b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |