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| Journal Name: | [**International Journal of Research and Reports in Hematology**](https://journalijr2h.com/index.php/IJR2H) |
| Manuscript Number: | **Ms\_IJR2H\_133798** |
| Title of the Manuscript: | **Tropical Haematological Responses to AstraZeneca COVID-19 Vaccination: A Comparative Case-Control Study in Nigeria.** |
| Type of the Article | **Original Research Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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. A minimum of 3-4 sentences may be required for this part.** | This scientific study aims to evaluate the hematological variations induced by the AstraZeneca vaccine in Nigerian patients. To do this, the researchers applied a case-control model to a population aged 18 to 65 with no significant medical history. The results showed slight to moderate changes in hematological parameters, suggesting that the vaccine can continue to be administered, but under supervision. To ensure the reliability of the conclusions, several tests were used, thus reinforcing the robustness of the study, which is distinguished by its careful drafting and rigorous presentation. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes . |  |
| 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, that's a good abstract . For the variations in the hematological parameters, avoid going into too much detail in order to attract the reader's attention. |  |
| Is the manuscript scientifically, correct? Please write here. | Yes . |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, they are sufficient, but you can add others and for the references, add the links for quick access. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes . |  |
| Optional/General comments | it is a well-structured and interesting work .  Did patients who experienced complications after vaccination with AstraZeneca, outside of this study, have any particular medical history?  Informed written consent was obtained from all participants prior to blood collection. The study protocol was approved by the research ethics committee of the Rivers State Hospital Management Board. |  |

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| **PART 2:** | | |
|  | **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:**

**Ibtihal Abouchabaka, Mohammed VI University of Health Sciences, Morocco**