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| Book Name: | [Disease and Health: Research Developments](https://www.bookpi.org/bookstore/product/disease-and-health-research-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4551** |
| Title of the Manuscript:  | **Prevalence of Malaria among Blood Donors and Recipients in Dschang Health District, West Cameroon** |
| Type of the Article | **BOOK CHAPTER** |

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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 manuscript provides valuable insights into transfusion-transmitted malaria, a critical yet often overlooked public health issue, particularly in malaria-endemic regions like Cameroon. By analyzing the prevalence and preventive measures in the Dschang Health District, this study offers evidence-based recommendations to enhance blood transfusion safety. The findings contribute to the broader scientific community by raising awareness of transfusion-related malaria risks and proposing strategies for improved hemovigilance practices. Additionally, this research highlights the necessity for policy reforms in donor screening protocols and prophylactic malaria treatments for transfusion recipients.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes, the title accurately reflects the content of the study. However, a more precise alternative could be: “Prevalence and Risk Factors of Transfusion-Transmitted Malaria in Blood Donors and Recipients: A Study in the Dschang Health District, Cameroon”** |  |
| 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. | **The abstract is comprehensive and clearly summarizes the study. However, it would be beneficial to include:*** **A mention of the study’s limitations.**
* **A more explicit statement on how the findings contribute to transfusion safety guidelines.**

**The final prevalence rate of malaria among blood recipients post-transfusion.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes, the manuscript is scientifically sound. The methodology, sample size calculation, and statistical analysis are appropriately conducted. The study effectively highlights the risk of malaria transmission through blood transfusion and the gaps in preventive measures.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Are the references sufficient and recent? The references are relevant and include recent studies on transfusion-transmitted malaria. However, including additional references from the past 2–3 years on similar studies in other malaria-endemic countries would strengthen the manuscript’s comparative perspective. We also need discussion on how these findings link with blood transfusion policies across the spectrum. Also, try to discuss other risk factors and why malaria and not other TTIs too?****Suggested additional references:*** **Recent WHO reports on malaria and transfusion safety.**

**Studies on malaria screening among blood donors in other African regions.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The manuscript is well-written, but minor grammatical adjustments could improve clarity. Some sentences are lengthy and could be simplified for better readability. Additionally, ensuring consistency in terminology (e.g., “transfusion-transmitted malaria” vs. “malaria transmission through transfusion”) would enhance coherence. I am amazed at the quality of the writing overall.** |  |
| Optional/General comments | **I would expect slighty more content and a more comprehensive analysis that is across board and not just localized to the area where the research happened. I think of the following as possible additions:*** **Consider discussing the economic implications of transfusion-transmitted malaria in healthcare settings.**
* **Highlight the potential policy implications and suggest standardized malaria screening protocols for blood donors.**
* **Discuss the possible genetic resistance of certain populations to Plasmodium infection and its impact on transfusion safety. For example Duffy and Danto blood groups**
* **Talk to us more about the situation in SSA, highlighting the challenges and strengtsh in these regions a little more.**
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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)* |  |

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| **Reviewer Details:** |
| Name: | **Briton Kavulavu** |
| Department, University & Country | **Moi University, Kenya** |