

**Review Form 1.7**

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|--------------------------|---|
| Journal Name:            | <b>International Journal of TROPICAL DISEASE &amp; Health</b>   |
| Manuscript Number:       | <b>Ms_IJTDH_107306</b>  |
| Title of the Manuscript: | <b>Malaria and intestinal coccidian parasites co-infections in adult patients in the Fundong Health District, Northwest Region, Cameroon.</b> |
| Type of the Article      |   |

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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) |
|--|--|---|
| <p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p> | <p><b>the manuscript is important for scientific community specially in the endemic areas with mixed infections.</b></p> <p><b>I suggest a new title for the article:</b><br/> <b>Malaria, HIV, and intestinal coccidian parasites mixed-infections in adult patients in the Fundong Health District, Northwest Region, Cameroon</b></p> <p><b>abstract of the article need revision with added new references</b></p> <p><b>subsections and structure of the manuscript are appropriate</b></p> <p><b>the manuscript is scientifically correct</b></p> <p><b>the references are insufficient suggestion of additional references, mention later .</b> The immunological role in malaria infection is so valuable in understanding the pathophysiological base and the outcome of the disease. So, add the following will be informative.<br/> Toll-like receptors, mainly Toll-like receptors 2 and 4 (TLR2 and TLR4), play a considerable role in the host defense against microorganism. (1) TLR4 receptors were associated with parasitemia, TLR2 receptors were related with malaria severity and none TLR was correlated with susceptibility. (2) IL-10 is an immune-regulatory cytokine having anti-tumor effect (3), It also promote anti-parasitic antibody production by B cells (4). anti-inflammatory cytokines such as transforming growth factor TGFβ1 and PDL-1(5&amp;6) determine the magnitude of immune response following Malaria infection. (7)</p> <ol style="list-style-type: none"> <li>1- Abdel Hamed MR, Elgendy SG, El-Mokhtar MA, Sayed D, Mansour SM, Darwish AM. T-lymphocytes Expression of Toll-like Receptors 2 and 4 in Acute Myeloid Leukemia Patients with Invasive Fungal Infections. <i>Mediterr J Hematol Infect Dis.</i> 2022 Mar 1;14(1):e2022022. doi: 10.4084/MJHID.2022.022. PMID: 35444773; PMCID: PMC8992612.</li> <li>2- Ramirez Ramirez AD, de Jesus MCS, Rossit J, Reis NF, Santos-Filho MC, Sudré AP, de Oliveira-Ferreira J, Baptista ARS, Storti-Melo LM, Machado RLD. Association of toll-like receptors in malaria susceptibility and immunopathogenesis: A meta-analysis. <i>Heliyon.</i> 2022 Apr 22;8(4):e09318. doi: 10.1016/j.heliyon.2022.e09318. PMID: 35520620; PMCID: PMC9065626.</li> <li>3- Mohammed D, Khallaf S, El-Naggar M. et al. (2021). Interleukin-10: A Potential Prognostic Marker in Patients with Newly Diagnosed Multiple Myeloma. <i>Research in Oncology.</i> 17(1): 38-41. doi: 10.21608/resoncol.2021.51503.1127</li> </ol> |   |
| <p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>  | <p>ENGLISH EDITING IS NEEDED</p>   |   |
| <p><b>Optional/General</b> comments</p>  |  |   |

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**PART 2:**

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

**Reviewer Details:**

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|----------------------------------|---------------------------------|
| Name:                            | <b>Muhamad R Abdel Hameed</b>   |
| Department, University & Country | <b>Assiut University, Egypt</b> |