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| Journal Name: | [**International Journal of TROPICAL DISEASE & Health**](https://journalijtdh.com/index.php/IJTDH) |
| Manuscript Number: | **Ms\_IJTDH\_140436** |
| Title of the Manuscript: | **D-Dimer, C-reactive protein, Malondialdehyde, and Aminotransferases in HAART Compliant HIV positive Pregnancy at Third Trimester as Predictors of Neonatal Jaundice and Low Birth Weight** |
| 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** (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 paper is important to the scientific community since it highlights areas of knowledge gaps in the area of biochemical predictors of neonatal complication in HAART-treated HIV-positive pregnancy. Through the examination of third-trimester markers D-Dimer, C-reactive protein, Malondialdehyde, and Aminotransferases, the paper offers insights into mechanisms linking maternal HIV infection and inflammatory processes to jaundice and low birth weight, neonatal conditions that have direct implications on infant morbidity. Given the prevailing risks of low birth weight and neonatal complications in the face of antiretroviral therapy, this research can inform targeted interventions and optimize prenatal monitoring practices among this high-risk population. Furthermore, it contributes to the general body of knowledge regarding how maternal immune and oxidative stress markers affect fetal development and neonatal health outcomes in HIV. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Its suitable |  |
| 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 well structured and clear. However to strengthen the papers authors should highlight the clinical relevance in conclusion by emphasizing how these biomarkers (D-Dimer, C-reactive protein, Malondialdehyde, and Aminotransferases) can be integrate into routine prenatal care for HIV-point to improve early identify of neonates at risk. |  |
| Is the manuscript scientifically, correct? Please write here. | Yes, the manuscript was well written including Introduction, detailed methods and reporting results as well as discussions was supported by literature and justifications. The conclusion also supported by presented data, and the importance of the finding for clinical practice is clear. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, however, most of them were old, I recommend authors should be incorporated recent literatures |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments |  |  |

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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:**

**Ebisa Zerihun, Ethiopia**