

Paper: “Comparaison de l’Efficacité de l’Artémisinine-Pipéraquline versus l’Artémether-Luméfantine dans le Traitement du Paludisme non Complicé à Plasmodium falciparum chez les Enfants de 6 à 59 Mois au Togo”

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Peer review:

Reviewer 1: Najib Bouhabba
Université IBN ZOHR, Maroc

Reviewer 2: Niare Karamoko
Brown University, USA

Reviewer F:
Recommendation: Accept Submission

The TITLE is clear and it is adequate to the content of the article.

Yes, no comment about the title

The ABSTRACT clearly presents objects, methods, and results.

Clearly presented

There are a few grammatical errors and spelling mistakes in this article.

No

The study METHODS are explained clearly.

Yes

The body of the paper is clear and does not contain errors.

Yes

The CONCLUSION or summary is accurate and supported by the content.

Yes

The list of REFERENCES is comprehensive and appropriate.

Yes

Please rate the TITLE of this paper.

[Poor] 1-5 [Excellent]

5

Please rate the ABSTRACT of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the LANGUAGE of this paper.

[Poor] 1-5 [Excellent]

3

Please rate the METHODS of this paper.

[Poor] 1-5 [Excellent]

5

Please rate the BODY of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the CONCLUSION of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the REFERENCES of this paper.

[Poor] 1-5 [Excellent]

5

Overall Recommendation!!!

Accepted, no revision needed

Comments and Suggestions to the Author(s):

Reviewer K:
Recommendation: Revisions Required

The TITLE is clear and it is adequate to the content of the article.

The title is clear and represents the content of the manuscript

The ABSTRACT clearly presents objects, methods, and results.

The reason why Artemether-Piperaquine and children aged between 6 and 59 months were chosen has not been described in the introduction.

The type of study such as non-inferiority study was missing. It is also important to indicate sample size, sampling method and study sites.

There are a few grammatical errors and spelling mistakes in this article.

Overall, this manuscript was correctly written in good French. Authors need to use the female gender for AP like they did it for DHAP as the full definition of this abbreviation is female

The study METHODS are explained clearly.

First paragraph of the methodology needs to have a title. Study sites should be described in this section. Sample size calculation and sampling techniques should be also indicated. Describing how thick and thin smear results were validated would make lots of sense here. There should be one section for the molecular correction to describe genotyping genes and PCR methods and how results were interpreted. As this study used human subjects, it is important to have a separate section under methodology to explain ethical clearance with approval letter numbers and compensations.

The body of the paper is clear and does not contain errors.

There are no major errors. However, data in Table 2 have not been described in the body of the manuscript . P-values should be given for comparisons regarding hemoglobin rates. It is very uncommon to abbreviate "moyen" or "moyenne" by "moy".

The CONCLUSION or summary is accurate and supported by the content.

The conclusion was well formulated but authors need to be careful as sample size by site is small. Authors did not mention limitations of the study

The list of REFERENCES is comprehensive and appropriate.

Authors ignored the current situation of artemisinin resistance in East Africa with kech 13 mutations. This should be mentioned in the introduction with references

Please rate the TITLE of this paper.

[Poor] **1-5** [Excellent]

5

Please rate the ABSTRACT of this paper.

[Poor] **1-5** [Excellent]

2

Please rate the LANGUAGE of this paper.

[Poor] **1-5** [Excellent]

5

Please rate the METHODS of this paper.

[Poor] **1-5** [Excellent]

2

Please rate the BODY of this paper.

[Poor] **1-5** [Excellent]

3

Please rate the CONCLUSION of this paper.

[Poor] **1-5** [Excellent]

3

Please rate the REFERENCES of this paper.

[Poor] 1-5 [Excellent]

3

Overall Recommendation!!!

Return for major revision and resubmission

Comments and Suggestions to the Author(s):

Monitoring regularly ACT efficacy in sub-Saharan Africa is needed to inform local malaria control strategies. This study meets this goal by assessing new and current ACTs in Togo using WHO protocol with molecular correction. The manuscript is well written in correct French. However there are major comments authors need to consider to improve this manuscripts.

- Abstract: explain the choice of artemisinin-piperaquine (even though this briefly explained in the introduction of the manuscript) and children aged between 6 and 59 months. Add study type, sample size by site and sampling method.

- Methodology: Make more subsections to describe i) study sites, ii) sample size calculation sampling methods, iii) laboratory methods such as PCR genotyping tests and thin/thick smears as well as validation and interpretation of results; iv) ethical approval. No information was provided to verify how the PCR correction was performed

- Results: It is important to provide more detailed description of the results including data in table 2 and make header for each paragraph. It is important to add a flow chart to show how participants was

-Discussion: It is important to mention limitations of the study such as small sample size, lack of sequencing of key drug resistance genes, in vitro test or measurement parasite clearance time.

-Conclusion: needs to considerate small sample size.
