



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">International Journal of TROPICAL DISEASE &amp; Health</a>                                                         |
| Manuscript Number:       | Ms_IJTDH_41783                                                                                                                 |
| Title of the Manuscript: | Parasitological surveys on malaria in rural Balombo (Angola) in 2007-2008: base line data for a malaria vector control project |
| Type of the Article      | Original Research Article                                                                                                      |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Compulsory</b> REVISION comments | <p><b>Abstract:</b> Insert the study background. Remove angola and Africa from the key words section.</p> <p><b>Introduction: Line 29:</b> state the author names and year i.e Jong and ricarh, (2018) stressed their.....</p> <p><b>Objectives:</b> How many specific objectives did the author address?</p> | <p>"a series of classical cross sectional surveys were regularly implemented in 4 villages during 2 consecutive years to get reliable base line parasitological data <u>before</u> the implementation of a vector control programme in the Balombo area. The objective of the present analysis of data gained in these "control villages" was to identify and to select the most relevant indicator for an accurate evaluation of the impact of the vector control and not to simply describe the situation such as in usual classical malaria survey where 7 age-groups* are recommended (WHO, 1963; p.36)".</p> <p>*"0-11 months=: infants, babies; 12-23 months = children under two years of age; 2-4 years = toddlers, pre-school children; 5-9 years = juveniles; 10-14 years= adolescents; 15-19 years= young adults; 20 years and over = adults"</p> <p><u>Key words section</u> Angola and Africa <b>removed</b>.</p> <p><b>Somandjinga and col [1] stressed their.....</b></p> <p>We have ONE specific objective: what is the most relevant age-group to be considered for the evaluation of the efficacy of the vector control operation scheduled because 3 age groups are usually considered: 0-5 years old which is the "at risk group"[in the line of (WHO. 1957)] and therefore to be prioritized in impregnated mosquito net distribution according to WHO and implemented in Zanzibar Island (Beer et al. 2013) and use, among other, in Ghana (Afoakwah et al. 2018); or 2-9 years** used for the classification of <i>endemicity of malaria</i>(WHO. 1963)(Metselaar and Van Thiel 1959) or "Under 15 years"already used for previous malaria vector control program(Chourasia et al. 2017 )(Cook et al. 2018).</p> <p>If parasitological index are similar in these 3 classical age groups then we will consider the "U 15" only which is the larger one, allowing thus to perceive even a small variation in parasitological situation with vector control implementation. As no such vector control was even implemented in this region we can't foresee a large or a small impact and an "as large as possible" statistically correct sample/indicator is required.</p> <p>If parasitological situations are clearly different according to theses classical each groups then they will have to be specifically analyzed for the vector control evaluation.</p> <p>[** "the parasite rate for children of 2-10 years was used previously by Stephen and Christophers, 1902) for purpose of comparing and mapping endemic malaria. It was known by the term "endemic index" defined by Ross (1910) as the proportion of children aged 2-10 years showing evidence of malaria either by presence of parasites or spleen enlargement or both" in WHO, 1963].</p> <p>Afoakwah, C., X. Deng, and I. Onur. 2018. Malaria infection among children under-five: the use of large-scale interventions in Ghana. BMC Public Health 18: :536.</p> |



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|----------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  |                               | <p>Beer, N., A. Ali, D. Shakely, K. Elfving, A. Al-Mafazy, M. Msellem, M. Petzold, A. Björkman, K. Källander, and U. Abdulmumini. 2013. High effective coverage of vector control interventions in children after achieving low malaria transmission in Zanzibar, Tanzania. Malar J. 12: 38.</p> <p>Chourasia, M., R. Kamaraju, I. Kleinschmidt, R. Bhatt, D. Swain, T. Knox, and N. Valecha. 2017 Impact of long-lasting insecticidal nets on prevalence of subclinical malaria among children in the presence of pyrethroid resistance in Anopheles culicifacies in Central India. Int J Infect Dis 57: 123-129.</p> <p>Cook, J., D. Hergott, W. Phiri, M. Rivas, J. Bradley, L. Segura, G. Garcia, C. Schwabe, and t. I. Kleinschmid. 2018. Trends in parasite prevalence following 13 years of malaria interventions on Bioko island, Equatorial Guinea: 2004-2016. Malar J. Feb 5;17(1):62. doi: 10.1186/s12936-018-2213-9.</p> <p>Metselaar, D., and P. H. Van Thiel. 1959. Classification of malaria. Trop. Geogr. Med 11: 157-161.</p> <p>WHO. 1957. Manual of the International classification of diseases, injuries and causes of death. Geneva: World Health organization.</p> <p>WHO. 1963. Terminology of Malaria and of Malaria Eradication. Report of a Drafting Committee. Worl Health Organization: 127 pp.</p> <p>It should be useful that the reader precise which part of the methodology is not clear for him/her and we will make revision accordingly.<br/>The protocol was a quite classical one with random cross sectional surveys regularly done inside the villages themselves.</p> |
| <b>Minor</b> REVISION comments   | Insert vol. and issue numbers |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Optional/General</b> comments | Its a good area if corrected. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |