



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_34904
Title of the Manuscript:	Factors associated with anemia in children with P. vivax malaria from Brazilian Amazon basin
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<u>Compulsory</u> REVISION comments	The Authors present a nicely-described study examining anemia in children infected with <i>P. vivax</i>. One of the striking findings associated with anemia and infection was female gender. In discussing this, the Authors treat it as a well-established association (e.g. lines #161-162) and while that may be true in post-pubescent, pre-menopausal women, it would not seem to apply to 8 year old girls, whose normal haemoglobin range (10.9 – 13.3) is indistinguishable from that of 8 year old boys (11.0 – 13.3 – “Selected Normal Pediatric Lab values”, London App.B.pdf). Nor do the references cited appear to support this: Data in the Tijitra/Price paper is for hospitalized patients, in which they show 70% female among 5-10 year old children, but that's an entirely different population (they did not look at non-hospitalized children) from the one studied here (non-severe). Surely, this association requires more discussion. (Perhaps the answer is in reference #20; <u>regrettably</u> this Reviewer does not speak Portuguese).	All the suggestions of the reviewer were inserted in the text. The authors are grateful for the improvement of the scientific quality of the suggestions. Lines 141,142,143,144,145,146.
<u>Minor</u> REVISION comments	The mss will benefit from modest editing for English. Lines #11 and #40: the Authors presumably mean <u>East</u> Amazon basin. Line #54: surely, annual rainfall in Ilha Maraja is 3 meters, not 3 mm.	The English version was improved, but additional correction are expected.



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	Line #80: should add the WHO cut-off data for anemia from the citation (<115). Table 1: column 1 (gender) needs to be reformatted so the labels line up with the data. Line #155: If the Authors want to refer to data on severity of anemia, it should be provided in a table.	
Optional/General comments		