



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_45337
Title of the Manuscript:	Sickle cell disease and severity of malaria
Type of the Article	Short 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>)

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)
Compulsory REVISION comments	- The discussion says that: "This study shows that heterozygotes are protected against severe forms of malaria. Only 6.2% of patients with hemoglobin SC had severe malaria compared to 93.8% of patients with SS haemoglobin". But, in the results the data presented are: "96.1% (99/103) of patients with SS hemoglobin had severe malaria compared to only 3.8% (4/103) with SC haemoglobin." - However, the number of patients with Hb SC is very small compared to Hb SS to assert that heterozygotes are protected against severe forms of malaria. - In the item Statistical analyses (line 88) it is not specified which value of P is considered significant, so is it possible to say that "Homozygous patients are more eliminated by malaria than heterozygotes (RR = 5, p = 0.2)" – line 133? - There are results presented in the discussion (line 149).	It is 93.8% (121/129) vs 6.2% (8/129) OK P value less or equal to 0,05 is considered significant OK
Minor REVISION comments	- Line 50: "Malaria" - Lines 54 and 55: I believe that the sentence is incomplete. - Lines 76 and 77 : "It was taken to pediatric..." - Line 104 and 105: "In fact, 71.32% (92/335) of sickle cell patients...". There were 129 sickle cell patients. Where does the number 335 come from? - The same goes for the line 107: "11.43% (4/35) of sickle cell patients...", it would be 4 out of 129?	OK OK OK: The study conducted at the pediatric services A and B of Niamey National Hospital. OK: In fact, 73.64% (95/129) of sickle cell patients had severe anemia, 3.88% (5/129) convulsions and others (22,48%). We have 35 deaths of malaria and 4 have sickled cells, 3 with SS hemoglobin and 1 with SC hemoglobin
Optional/General comments		

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?	Yes, the study was conducted in children and there is no mention of ethical approval	You have the authorisation of the university and the NNH. It is a retrospective study.