



SDI Review Form 1.6

Journal Name:	Asian Journal of Research in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_AJRIMPS_44564
Title of the Manuscript:	Assessment of The Levels of Serum Zinc and Copper Among Sudanese Patients with Sickle Cell Anemia in Khartoum State
Type of the Article	Cross sectional case control study

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	<p>In the introduction the authors preseneted patients with SCA then they explained SCD. There is a difference between them. SCD include SS, Sβ, SC, SO etc.</p> <p>Line52 it is not the the sickle hemoglobin which interact with diverse gene but the sickle mutation in βglobin gene.</p> <p>Line 68 the authors should explain the phenotype of their patients, all of them are SS or not.</p> <p>The authors should specify if the patients received a treatement with hydroxyurea because it influences the values of zinc</p> <p>The authors should developp more the discussion section. For example, they can mentionned if there are other studies among African in which the assessment of the levels of serum zinc and copper were explored in SCA or other hemoglobinopathy.</p> <p>Abobaker A et al 2015 have reported the significant increase in the mean of serum copper levels when compared mean of sudanese SCA patients with mean of control group</p>	The modifications were made as per suggested
Minor REVISION comments	<p>There is a point missing in the line 43 (before These).</p> <p>Line 69 authors should put individual with normal hemoglobin taken as control instead of (normal individual with normal hemoglobin as control)</p> <p>Line 130 a point is missing after race</p> <p>Line 132 a point is missing after observed.</p> <p>Line 136 point instead of coma after RBCs</p> <p>Line 137 hydroxyurea instead of hydrourea.</p> <p>The authors should developp more the discussion section. For example they can mentionned if there are other studies among African in which the assessment of the levels of serum zinc and copper were explored in SCA or other hemoglobinopathy.</p> <p>This reference tagney and Philips, 1993 mentionned by the authors in the discussion section is missing in the section of references. The same things for Parad, 2002.</p>	
Optional/General comments	Verify the form of the article	



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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?	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> <p>The study was approved by ethical committee of Medical Laboratory Science, Clinical Chemistry Department – Alneelain University.</p>	