

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_79952
Title of the Manuscript:	Determiningb the Role of Minerals and Trace Elements in Diabetes and Insulin Resistance
Type of the Article	Review 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:

<https://www.journaljpri.com/index.php/JPRI/editorial-policy>

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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)
Compulsory REVISION comments	<p>Title:</p> <p>Please check the spelling of the first word in the title: Determiningb...remove the b in the end.</p> <p>Abstract</p> <p>First sentence last 2 words "trace amounts." Can you please look for another word to use, the word trace sounds repetitive in the sentence?</p> <p>"This critique focuses on a handful of these mineral and chemical element shortages, as well as their effects on polygenic illness and internal secretion resistance." This sentence summarizes why we are writing this review, I think it should come last.</p> <p>"Minor parts accept a major half in processing." This sentence is not very clear. Please start each new sentence with a capital letter.</p> <p>In the second sentence of second paragraph, you do not put the nuclear number of copper, then in sentence 4 you talk about nuclear number 29. This sends a message that two different things are being talked about.</p> <p>The second paragraph should be re-written. It has poor punctuations and is difficult to follow. The whole abstract should be rearranged.</p> <p>Introduction</p> <p>The first sentence "minerals and minor components." You interchange the words minor components and trace components. I would advice we use one. We could also define them in operational definitions.</p> <p>Third sentence after the comma, "just as" can be replaced with "such as"</p> <p>"Micronutrients have a double reason" for what? The sentence does not look complete. Did you want to say double function? Please rephrase.</p> <p>"Because of headways in intercession and investigation, the life expectancy of diabetes patients has expanded couple with the general development in the senior populace." This sentence looks out of place. It does not connect with the sentence before or after it. I suggest to remove it, or give more details to support it.</p> <p>"The US Environmental Protection Agency (EPA) has fostered an administrative structure for building up OK,,," is the OK an abbreviation for something?</p> <p>Second paragraph, first sentence. It looks like a repetition of the first sentence of the first paragraph. The second paragraph summarizes what is already known about micronutrients. I think it should be placed as third sentence of first paragraph, before you give us details of what they are required for.</p> <p>The last paragraph should tell us what this review adds to the body of literature. (why is this review necessary/problem statement, justifications for this particular review and your objectives)</p>	

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	<p>Discussion</p> <p>I suggest you remove the word discussion as the heading of this section. Just explain details of the elements as a continuation of the introduction.</p> <p>Boron</p> <p>I like the brief description of the element.</p> <p>The following sentences of the first paragraph 1. Dietary nuclear number 5 has been shown to impact plasma inner emission fixations in investigations. Bakken et al, 2. There is no proof that nuclear number 5 shortfall is connected to varieties in plasma aldohexose fixations, and it is additionally inconsequential to a metallic component or dietary D status. 3. Chemical element acid reduces Ca²⁺ release in response to ryanodine receptor agonists by binding NAD⁺ and/or cyclic ADP carbohydrate and therefore decreasing Ca²⁺ release, which has an effect on internal secretion release and brain function. I don't see how these sentences are related to diabetes or insulin resistance or metabolic syndrome.</p> <p>Second paragraph: affecting a variety of vascular problems (25). Pittas et al. found that variations in metal and calciferol levels are linked to the development of T2DM in 2007. I don't understand the message in this sentence. I think the whole paragraph should be re-written. I can hardly understand the author's message.</p> <p>Third paragraph: no sentence has been cited. This applies for the remaining paragraphs. "These micronutrients might require express positions inside the pathologic cooperation and development of the nm disease." Are we still talking about boron? Why then say micronutrients? What is the nm disease?</p>	
Minor REVISION comments	I think the discussion should summarize all the elements. Like comparison of which element has the most effect of diabetes, insulin resistance, lipid profile and other vascular effects. You could go further to compare in animals, pregnant, etc. you could also discuss confounding factors that cut through all the elements or some particular elements.	
Optional/General comments	<p>The language is not very clear and a bit ambiguous. some typographical and grammatical errors have been sighted for correction.</p> <p>Try to use a reference manger, it looks like it has been done manually. Lots of sentences have not been cited.</p>	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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