



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2015_PSIJ_18029
Title of the Manuscript:	Studies on Effective Atomic Number of Some Pharmaceutical Active Ingredients in Drug
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)
Compulsory REVISION comments	YES	
Minor REVISION comments	<p>Between effective atomic number and pharmacology effect correlation is not established. I means that there is a relationship between these two just can't be a scientific conclusion.</p> <p>This study, which made for medical purposes. Moreover, An interest could not be established between radiology (incident photon energy) and diagnosis</p> <p>Selection of chemical compositions of Bovine blood is absent. This selection why is important</p> <p>"industry by means of determining quality and quantity of drug" This sentences must be clarified.</p> <p>Amiodarone to be great, what does it mean in terms of pharmacology? This is important question.</p>	<p>The work were conducted to analyse the quality and quantity of the drug samples manufactured at different laboratories which may not be the same. This variation of brand to brand or manufacturer to manufacturer can be analysed by means of determining the important parameters in the radiation physics namely mass attenuation coefficient, effective atomic number and electron density.</p> <p>In this respect we are not comment which drug is good and bad but only the thing is that the quantity of the inactive drug were added during the formulation process can be estimated while comparing with theoretically results.</p>
Optional/General comments	<p>Topic is quite original. Topic is quite original. But among the parameters calculated by the quality of drugs, unfortunately, a good correlation has been established.</p> <p>Author stated that "the variation of Zeff is almost</p>	<p>Below 100 keV x-energy, the photoelectric effect is dominated with low Z materials and hence opted samples are also low Z therefore >100 keV it is not good for quantitative analysis of the pharma compounds.</p>



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	independent of energy" Bu argue must be refernces. Authors must known certainly dependent at >100 keV	
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