



SDI Review Form 1.6

Journal Name:	<u>British Journal of Medicine and Medical Research</u>
Manuscript Number:	2013_BJMMR_7180
Title of the Manuscript:	Excess Lifetime Cancer Risk due to gamma radioactivity in and around Warri Refining and Petrochemical Company in Niger Delta, Nigeria
Type of the Article	Cross-sectional 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>)



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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>The paper reports relevant natural radioactivity and excess lifetime cancer risk data in an important area around Warri Refining and Petrochemical Company in the Niger Delta region.</p> <p>Some corrections should be done as follow</p> <p>The authors should inform if the amount of samples may be deemed as satisfactory for the objectives of the research.</p> <p>Numbers of samples should be added in subtitle "material and method"</p> <p>New subtitle named "Samples Activity Concentrations" should be added after subtitle of "Results and Analysis" It should be contained average activity concentrations of naturally occurring radio nuclides (^{40}K, ^{232}Th and ^{238}U or ^{226}Ra)</p> <p>The results of the research containing activity concentrations of ^{40}K, ^{232}Th and ^{226}Ra and basic statistical parameters such a min, max, main, standard deviation should be added in table 3</p> <p>line 84 should be done, changing "$\epsilon_{\gamma} = A_{\text{net}} / A_{\text{S}} \cdot Y_{\gamma} \cdot M_{\text{S}} \cdot t$" to $A_{\text{S}} (\text{Bq kg}^{-1}) = A_{\text{net}} / \epsilon_{\gamma} \cdot Y_{\gamma} \cdot M_{\text{S}} \cdot t$</p>	



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	<p>Minimum Detectable Activity (MDA) is unclear.</p> <p>In line 55-56 Sentence of "They were sealed for 28 days for the short lived members of Radon – 222 and Radon – 220 series to reach a secular equilibrium." Should be changed to "They were sealed for 28 days for the short lived members of Uranium and Thorium series to reach a secular equilibrium"</p> <p>In line 108 should be Corrected by changing ^{40}C, ^{323}Th to ^{40}K, ^{232}Th</p>	
<u>Minor</u> REVISION comments	<p>Some corrections in line 78-79 should be done, changing "631.00 Bq/kg for ^{226}Ra (1760 MeV) and 11.00 Bq/kg for ^{232}Th (2.615 MeV)" to 631.00 Bq/kg for ^{226}Ra (1760 MeV of ^{214}Bi) and 11.00 Bq/kg for ^{232}Th (2.615 MeV of ^{208}Tl)"</p>	
<u>Optional/General</u> comments	<p>Table 1 should be omitted</p>	

Note: Anonymous Reviewer