Reviewer’s report

Title: Incidence of cancer among licenced commercial pilots flying North Atlantic routes

Version: 0 Date: 14 Jun 2017

Reviewer: Paschal Enyinna

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There isn't enough literature in the introduction section to back up the relationship between frequent travels by pilots at aviation altitudes and exposure to cosmic ionizing radiation which in turn could cause cancer.

Kindly include about 7 or more literature in your introduction to buttress the link between frequent air travel, cosmic radiation and cancer.

On page 4, line 58, explain the briefly the meaning of effective dose of radiation.

Present the mathematical formula based on which the CARI-6 software was used to compute the effective dose rate of radiation (line 1, page 5)

Explain the meaning of CARI-6 software and reference the author.

Line 16, page 5:- Under statistical analyses, state the mathematical formulae used for all the statistical packages. These statistical packages are based on mathematical formulations which you need to state as equations.

Page 6, line 17:- UVA radiation is the most subtle form of UVR and its impact may never be carcinogenic, especially based on the small quantity that penetrates the aircraft's windscreen. If you think otherwise, include the estimate of the intensity of UVR that can permeate the aircraft's windscreen vis-a-vis the standard regulatory limit.

Level of interest
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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