



COLLEGE OF
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August 7, 2015

Response to reviewers

Manuscript number: 20216

Manuscript title: Space radiation and cardiovascular disease risk

Dear Editor,

The manuscript referenced above was assessed by two reviewers. We would like to thank both reviewers for their positive evaluation of this manuscript.

Reviewer number 289591 described two concerns. We hereby respond to the concerns.

"Care should be taken when the epidemiological data from atomic bomb survivors is compared to support the cardiovascular disease risk in space, considering the dose rate between the atomic bomb event and estimated space radiation exposure."

We agree wholeheartedly with this statement and have modified the manuscript to reflect this concern.

"More discussion on countermeasure agents other than vitamin E analog gamma-tocotrienol would have further strengthened the manuscript."

We had placed too much emphasis on gamma-tocotrienol as one of the potential countermeasures that has our interest. Although research on potential countermeasures is quite limited, especially in the cardiovascular field, we expanded this section of the manuscript.

In addition, we have changed some of the formatting of the manuscript to follow the journal's guidelines and editor's instructions.

With kind regards,

A handwritten signature in black ink that reads 'M Boerma'. The signature is stylized with a large, looped 'M' and a cursive 'Boerma'.

Marjan Boerma