Author's response to reviews

Title: Iodine concentration calculated by dual-energy computed tomography (DECT) as a future parameter to evaluate thyroid metabolism in patients with hyperthyroidism

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Response to editorial comments:

1. We note that patients underwent both iodine scintigraphy and DECT. Please clarify if all treatments patients received are considered standard care for their condition. If all treatments are part of standard care please add a statement reflecting this in the ethics and consent to participate section.

All treatments were performed as parts of standard care before the radioactive iodine ablation therapy. We described it in the ethics and consent to participate section as below:

Both thyroid scintigraphy and volumetric CT were performed for the purpose of the assessment before radioactive iodine ablation therapy.

2. In the Ethics approval and consent to participate section of the Declarations please provide a statement regarding consent to participate. If the need for consent was waived by an IRB or is deemed unnecessary according to national regulations, please clearly state this, including the name of the IRB or a reference to the relevant legislation.

We revised our Ethics approval and consent to participate section as below:

This retrospective study was approved by the institutional review board at the Gunma university hospital (UMIN000023327) and written informed consent was waived.
3. In the Availability of data and materials section please clearly state who should be contacted if someone wants to request the data.

We added contact information as below:

Data of this study are available and can be shared on request, contacting to the corresponding author.

4. We note that Takahito Nakajima is an editorial board member of BMC Medical Imaging. Please declare this in the Competing interests section for transparency.

We mentioned it to the Competing interests section as below:

TN is an editorial board member of BMC Medical Imaging.

5. We note that you state that your study was supported by the ANMEG Program. Please can you clarify whether they provided any financial support for your study. If the ANMEG program did provide funding for your study please declare this in the Funding section. All sources of funding for the research reported should be declared in the Funding section.

ANMEG program is one of PhD or master course in our university, which invites students from Asian countries. This program support students, however, it does not support their research financially. Anyway, we declare it in the Funding section as below:

Asian Nuclear Medicine Graduate (ANMEG) Program in Gunma graduate school of medicine did not provide any financial support for this research.

6. We note the abbreviation ‘CT’ has not been included in the ‘List of Abbreviations’ section. Please ensure that all abbreviations present in the text are listed in this section.

We added it.

7. Please remove the ‘(349 words)’ from the end of the abstract as it is no longer required at this stage of the editorial process.

We deleted it.

8. Please submit your revised manuscript as a clean copy without any tracked changes, coloured or highlighted text, as these are no longer required at this stage of the editorial process.

OK.