

Dear Editor, Dear Colleague,

Please find enclosed the revised manuscript in Word format (file name: Revised_medical microsystem-AIMI).

Title : **Acoustic concept based on an autonomous capsule and a wideband concentric ring resonator for pathophysiological prevention**

Authors:

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Name of Journal : Artificial Intelligence in Medical Imaging

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Manuscript Type : Manuscript Invitation (Basic Study)

Thank you very much for your kind e-mail, which give us the possibility to revise our manuscript. We embedded the paper according to the reviewers' comments. We hope this revision will make our manuscript better to be adapted in the journal format.

Each comment has been answered according in the manuscript and each text that has been altered was highlighted yellow in the revised manuscript.

Add, the format of all figures has been revised and adapted to ppt format.

We hope that the revised version will fulfill the requirements for publication in Artificial Intelligence in Medical Imaging *Journal*.

Reply to editorial comments:

(1) The "Author Contributions" section is missing. Please provide the author contributions;

Answer: This section was added on the first page

(2) The authors did not provide original pictures. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor;

Answer: The format of all the figures has been modified in order to facilitate their reproduction and a file (name: images_AIMI_Nassar.ppt) has been transmitted in the list of revised documents.

(3) PMID and DOI numbers are missing in the reference list. Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references. Please revise throughout;

Answer: The DOI of all the bibliographic references have been updated

(4) The "Article Highlights" section is missing. Please add the "Article Highlights" section at the end of the main text;

Answer: "Article Highlights" has been added in the text after the references

(5) As shown in the CrossCheck report, the similarity of the manuscript is a little high. Some parts of the manuscript should be revised according to the CrossCheck report;

Answer: This part has been reviewed according to the list in the email.

(6) The Abstract and main texts were not written according to the Guidelines for Manuscript Preparation. Please revise the abstract and main text (Introduction, Materials and Methods, Results, and Discussion) according to the Guidelines and Requirements for Manuscript Revision.

Answer: Idem for this part (update in the main text)

Thank you for considering the review

Sincerely yours,

Pr. Georges Nassar

IEMN - CNRS / UMR 8520-France