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Name of Journal: *World Journal of Hypertension*

ESPS Manuscript NO: 22531

Manuscript Type: Minireviews

Answering reviewers

Please note that we have no budget available for covering the costs of this invited review to be it open-access, if applicable.

Reviewers' comments

1. The authors reviewed the development of the therapeutic concept of baroreceptor stimulation and discussed the possible application for the treatment of drug –resistant hypertension. It is suitable to the Journal and could be helpful in clinic study. However, there is only one minor concern that needs to be addressed – "REFERENCE": style and word format should be consistent.

We corrected reference style and format.

2. It is a short review on the role of carotid baroreceptor activation therapy (BAT) in resistant hypertension (RH) treatment. It is generally well-written and timely. I have some minor suggestions that may help to improve it. 1- The proof-of-concept and the randomized trials that support BAT use should be more deeply presented and discussed. Indeed, the authors discussed more deeply the sympathetic renal denervation than BAT itself. Maybe a Table summarizing these studies would help the reader to see the current evidence on the benefits (and risks) of BAT for RH treatment. 2- There are some sentences that need to be referenced. For ex., on page 5 (2nd paragraph) the Prague Study (ref #12) and on the next paragraph the DENERHTN study. Also, on page 6, the sentence "the demonstration that monolateral BAT is not inferior to bilateral BAT at least for lowering BP" should be referenced. 3- Table 1: recommendations to RH treatment should be adequately formatted and referenced to the 2013 ESC/ESH guideline. 4- On page 6 (1st paragraph), when discussing secondary causes of RH, it should be clearly stated that the authors are referring to primary aldosteronism when they affirmed that renin and aldosterone might be affected by anti-hypertensive drug treatment. 5- There were some typo errors that should be corrected. "renal denervation" is duplicated throughout the text.

We create a new table (A head-to-head comparison of BAT and renal denervation is shown in Table 2) to help the reader to see the current evidence on the benefits (and risks) of BAT compared to RD

We referenced sentences requests.
We formatted and referenced table 1 as asked.
We specified that we are referring to primary aldosteronism and renovascular hypertension when discussing secondary causes of RH.
We corrected minor errors.

3. The topic of this paper is of interest since it is considered a subject of discussion in resistant hypertension treatment. I suggest introducing a more detailed information and discussion about the methodology and long terming safe results.

We wrote a new paragraph about methodology of BAT (Technical aspects: implantation technique).

4. This is a mini review about the place of baroreceptor activation therapy (BAT) in the treatment of resistant hypertension. The authors reviewed the development of BAT for the treatment of drug -resistant hypertension, and the pros and cons of this treatment over renal sympathetic denervation. This paper is well written and very interesting except for some typing errors. Minor comment: 1. The authors should add some information about the technical aspects of BAT, and the safety or adverse effects of BAT in hypertension. 2. References should be uniform. The references are in variable format and need to be consistent and in the format required by the Journal.

We corrected reference style and format; we wrote a new paragraph about technical aspects of BAT (Technical aspects: implantation technique).

5. There are several errors in the text which need to be corrected. The references need to be adapted to the style of the journal. The authors should list disadvantages or limitations of BAT. A more detailed discussion about disadvantages and limitations of BAT needs to be provided.Overall, the article covers an interesting topic, is updated and well-written.

We corrected minor errors; we wrote a new paragraph about disadvantages and limitation of BAT.

6. Authors describe the development of the therapeutic concept of baroreceptor stimulation for the treatment of drug-resistant hypertension. Article covers an interesting topic, is updated and well-written, apart from few punctuation and spelling errors which should be revised. Also, it would be appreciated a more detailed discussion about disadvantages and limitations of BAT strategy.

We corrected minor errors; we wrote a new paragraph about disadvantages and limitation of BAT.

7. There are several minor errors in the text such as Introduction: Torresaniet al

(should be: Torresani et al), or a little further down "thedelivering of" instead of "the delivering of". There are at least 10 such errors. The references are not written according to Journal style. Please correct. The authors should list disadvantages or limitations of BAT. The way they talk about BAT, it seems that it is the ideal treatment for all patients.

We corrected reference style and format, minor errors; we wrote a new paragraph about disadvantages and limitation of BAT.

Editor's suggestions

We rewrote the introduction (including "Author contributions", "Conflict-of-interest statement", etc) as required.
We produced the audio core tip.
We reformed all the reference numbers like asked.
We added PubMed citation numbers and DOI citation to the reference list and listed all authors.