

Referee 1

The article is beautifully designed and writing.

Thank you very much for such a positive comment.

Referee 2

Your manuscript illuminating the role of adiponectin in food intake and hence its impact on obesity and related disorders is demanded, however there are multiple remarks that deserve your revision:

1-Major language editing is warranted.

The language has been revised throughout the text by an English native speaker.

2-You have to mention the original nomenclature of an item before listing its abbreviation.

Thanks you for the observation. The original nomenclature has been included in the revised version.

3- It is more appropriate to discuss the actions of Adiponectin either centrally or peripherally on the basis of different effects on AdipoR1 and AdipoR2 which you have to discuss extensively. This may explain the controversies in actions obtained in various studies.

Following your suggestion, we have included some points concerning AdipoR1 and AdipoR2 in the text and, above all, we have summarized the different central and peripheral effects of adiponectin in a scheme. We thought that a more extensive discussion went beyond the feature of an opinion. We hope to have correctly interpreted and satisfied your request.

4-You have not pointed to the status of Adiponectin in crossing the blood brain barrier and whether it is secreted locally in the brain tissues; and if so, what is the role of local Adiponectin in mediating its various actions?

Thank you for the criticism. In the revised version, we extended this aspect citing recent literature, assessing also the local secretion of adiponectin in the brain tissue. However, we preferred to summarize the other possible central actions of adiponectin in the scheme, as their inclusion in the text seemed to us misleading to the reader from the main focus of the present opinion, i.e. those effects related to food intake.

Referee 3

The title/subject is very interesting and topical, the manuscript is well structured. Authors introduced their findings on additional potential role of adiponectin that needs further attention. The manuscript is well written and clearly explained. However, to even improve the subject I would kindly suggest including the schematic presentation of adiponectin function on various organs - known and recently discovered – so the reader can get quick and brief summary on the whole picture of the issue.

We greatly appreciated your comment. Following your suggestion, a schematic representation of adiponectin functions on various organs has been included in the revised version.