

Dear editor and reviewer,

I would like to express all the contribution authors sincere appreciation of your constructive comments concerning our article entitled “Neuropathological characteristics of abnormal white matter functional signaling in adolescents with major depression” (Manuscript NO.: 90110). These comments are all valuable and helpful for improving our article. According to the editor and reviewers’ comments, we have made modification to our manuscript. In this revised version, changes to our manuscript were all highlighted within the document by using yellow-color text. Point-by-point responses to the editor and reviewer are listed below this letter.

Reviewer #1:

Q1. I could not find any useful information about treatment of the depressed individuals (or were they drug naive?)

Response: We have checked the literature carefully, and we are sincerely apologizing for omission of the patient's medication information in the article. Thank you for your reminder. Upon admission to this hospital, patients are required to undergo a series of examinations, including scale evaluations, physical examinations, magnetic resonance imaging, and others. It's important to note that the patient had not undergone systematic medication treatment before the MRI scan. We have added an inclusion criterion marked in yellow-color text on useful information about treatment of the depression individuals into the methods part in the revision manuscript.

Q2. Please do not use the abbreviation ReHo in the abstract chapter (write instead Regional homogeneity).

Response: Thanks for your careful checks. We are sorry for our carelessness. Based on your comments, we have made the corrections by replace the abbreviation ReHo with Regional homogeneity in the abstract chapter.

Q3. Please separate words: markedlyhigher; AdolescentMDD; studyfrom etc.

Response: We feel sorry for our carelessness. In our resubmitted manuscript, the type has been revised. Thanks for your correction.