

Point-by point response to the Reviewers' comments

Reviewer #1 .

Scientific Quality: Grade A (Excellent)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Comments: This is an interesting, nicely written review on the putative role of the polyamine agmatine as a fast-acting antidepressant. The authors searched and discussed numerous papers, made a good summary and got appropriate conclusions. Unfortunately, almost all cited studies were done in animals, not humans. Concerning english: Please give space between two words: Introduction: Between (MDD) and affects; MDD and exert, page 8/53 between and and is, and so on. Unfortunately, there are numerous such cases...

Response: Thank you very much for the kind words of appreciation of our manuscript. Concerning the comments:

1. Clinical trial data on agmatine as an antidepressant represent a small percentage of the total number of studies. We hope that our contribution could change this scenario.
2. Concerning english: We believe that there was a problem when the reviewer accessed the file of our article, which may have caused the misconfiguration of some words. When we downloaded the file from the BPG site, we did not find any problems. Even so, we did a careful text revision and improved the language.