Author’s response to reviews

Title: The interplay of BDNF-TrkB with NMDA receptor in the process of propofol-induced cognition dysfunction in Hippocampus of neonatal rats

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Editor Comments: 1 Please rephrase the below sentences (first paragraph of the Discussion) as it is overlapped with the previously published paper: BMC Anesthesiology201414:5 https://doi.org/10.1186/1471-2253-14-5 ‘Propofol is a short-acting drug, administered intravenously, and this phenolic derivative hypnotic agent produces general anesthesia by enhancing GABAergic transmission[33]. Previous studies also have shown that propofol may also block NMDA receptor at the concentrations routinely used to maintain a general anesthesia, by inhibiting the phosphorylation of NR1 subunit in neurons[34]. Another in vitro experiment showed that propofol inhibits NMDA receptor through an allosteric modulation of channel gating’ While we understand that some of the same ideas are contained in these publications, please be aware that we cannot condone the use of text from previously published work. Please re-phrase these sections to minimise overlap. Response: Dear editor, Thanks very much for your kind reminder. I have revised this part in the manuscript. Please check. 2 Please provide email addresses for all the authors on the title page Response: Dear editor, Thanks very much for your kind reminder. I have provided all the authors emails on the title page. Please check.3 Ethics approval and consent to participate Please provide email addresses for all the authors on the title page Response: Dear editor, Thanks very much for your kind reminder. I have provided all the authors emails on the title page. Please check.4 Availability of data and materials This section is applicable for your manuscript. Availability of Data and Materials refers to the raw data-set upon which the summary statistics in the manuscript are based. For your information: Here are an examples of Availability of Data and Materials statements that you may choose to adapt if you wish: • The datasets generated and analysed during the current study are available from the corresponding author on
reasonable request. Response: Dear editor, Thanks very much for your kind reminder. I have revised this section as you suggested. Please check.5 Authors' Contributions Please represent authors' names using their full initials, not their full name, in the Authors’ Contributions section. Response: Dear editor, Thanks very much for your kind reminder. I have changed them into full initials. Please check.6 Upon resubmission, Please remove any tracked changes or highlighting and include only a single clean copy of the manuscript. Please ensure the document is in the final form for publication; please upload only files that are to be published. If you wish to respond to these revision requests, please insert the information in to the designated input box only Response: Dear editor, Thanks very much for your kind reminder. I have made the above mentioned changes in the manuscript and only a single clean copy is uploaded. Please check. Best regards.