Author's response to reviews

Title: Hydrogen sulfide and mild hypothermia activate the CREB signaling pathway and prevent ischemia-reperfusion injury

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Author's response to reviews: see over
Dear editor,

Thank you for carefully reviewing and providing feedback on the manuscript. We have made revisions to clarify some of the statements in the manuscript. Please find below a point-by-point response to your questions or comments.

#note: Questions or comments are in gray and responses are in black.

Response to the editor’s comments

Editor's Comment:

Check line 406: do you really mean that Ca activates NMDAR?
We have done a more careful review of the literature and changed the sentence to: “Previous studies have shown that membrane depolarization can activate NMDARs in the synapse, which then in turn mediate the expression and phosphorylation state of CREB, and promote survival of neuronal cells.”

In the conclusion: do you really mean it “prevented” damage or “reduced” damage?
From the point of view of content it’s ok but addressing the remaining language issues would make the MS more comprehensible.
We meant it prevented damage, since the hydrogen sulfide and mild hypothermia were both induced early in the 6hr reperfusion treatment. We have edited the wordings and made this point clear and consistent in the manuscript.