Author's response to reviews

Title: Paeonolum protects against MPP+-induced neurotoxicity in zebrafish and PC12 cells

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Dear Editor,

We would like to submit a manuscript entitled “Paeonolum protects against MPP+-induced neurotoxicity in zebrafish and PC12 cells” by Lu et al. to BMC Complementary and Alternative Medicine.

In the present study, we investigated the possible effects of paeonolum against MPP+-induced neurotoxicity in zebrafish and PC12 cells. Paeonolum dose-dependently protected against MPP+-induced DA neurodegeneration and locomotor dysfunction in zebrafish. Similar neuroprotection was replicated in MPP+ PC12 cell model. In addition, paeonolum attenuated MPP+-induced intracellular ROS accumulation and restored total GSH level in PC12 cells. Furthermore, paeonolum significantly inhibited MPP+-induced mitochondrial cell death pathway. The present study suggests that paeonolum protects against MPP+-induced neurotoxicity in zebrafish and PC12 cells.

If you need further information, please kindly let me know by e-mail at peizhong@yahoo.com.

Yours sincerely,
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