Reviewer's report

Title: Carbon monoxide-Releasing Molecule-2 (CORM-2) attenuates acute hepatic ischemia reperfusion injury in rats

Version: 1 Date: 20 January 2010

Reviewer: Sarah Hosgood

Reviewer's report:

Major compulsory revisions
1: This manuscript presents very clear and concise results. However, I suggest that more detail given to the statistical analysis. The Kruskal-Wallis test was used to compared groups. I assume that the P value stated in the legends (<0.05) related to the post test? I think a more detailed explanation of the statistics and inclusion of the P value in the text of the results section is needed.

2: The first paragraph of the discussion states that CORM-2 reduced ROS-mediated hepatic ischemia reperfusion injury. This is not completely accurate as no measures of oxidative damage were performed.

Minor essential revisions
1: In figure 3b, is the level of caspase 3 significantly lower in the CORM 2 group? The * is missing

Discretionary Revisions
1: Measures of oxidatived damaged would strengthen this manuscript, however I do not feel that this is essential given the substantial range of parameters measured.

2: I assume that all rats survived during the 6 hour reperfusion perfusion period?

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests