Reviewer’s report

Title: Derangements of Liver Tissue Bioenergetics in Concanavalin A-Induced Hepatitis

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Reviewer: Dechun Feng

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In this study, the authors reported an interesting finding that O2 consumption in the liver was increased after ConA injection. The increased O2 consumption in the liver may be attribute to the elevation of serum IFN-gamma levels but not increased infiltration of lymphocytes as suggested.

Major Compulsory Revisions:
ConA injection may increase many cytokines expression such as IL-6, IFN-gamma, TNF-alpha, IL-4, IL-12 and so on. The authors observed reduced O2 consumption in IFN-gamma KO mice after ConA injection and concluded that IFN-gamma was the main reason for the increased O2 consumption. However, more direct evidence should be provided such as treat the mice with exogenous IFN-gamma or treat freshly isolated hepatocytes with IFN-gamma to see whether O2 consumption will be altered.

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