**Reviewer’s report**

**Title:** Short-term glutamine feeding decreases lung inflammation and the receptor for advanced glycation end-products (RAGE) expression in direct acute lung injury in mice

**Version:** 1  **Date:** 25 May 2013

**Reviewer:** Arie J. Hoogendijk

**Reviewer’s report:**

Yin-Ching et al. demonstrate that glutamine feeding reduces the inflammatory response in ALI, as seen in reduced e.g. IL-6 and RAGE protein levels. The study is well planed and the manuscript is generally well written. However, I have some comments.

Minor essential revisions.

In the introduction it seems some references are not provides for statements made (e.g.: line 55, 56, 61, 63 and 65).

For lung measurements, unchallenged data are provided, however not for the BALF measurements, is this due to these being undetectable?

Figure 2 depicts IL1-beta levels as mg/mg, this seems to be very high, it this correct?

Line 239 states that because of the severity of the model GLN could not increase overall survival. Currently this is written as an overstatement, as no data is provided to as to the effects of GLN in a less severe survival experiment.

IL-1alpha is mentioned in line 266 but not shown.

**Level of interest:** An article of importance in its field

**Quality of written English:** Needs some language corrections before being published

**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