Reviewer's report

Title: Effects of low-flow sevoflurane anesthesia on renal function in low birth weight infants

Version: 3 Date: 24 June 2014

Reviewer: George Mychaskiw

Reviewer's report:

Major revisions:
This study is limited in that there is no control group and a wide variety of procedures were studied. There is nothing to convince the reader that the changes seen were the result of the use of sevoflurane, rather than related to the surgery itself. While publishable, these limitations limit the value of the study. Future studies should examine a standard, non-intra abdominal procedure, such as an inguinal hernia repair and also must have a control group, such as sevoflurane vs. desflurane or isoflurane.

Minor:
The authors seem to believe that sodalime temperature correlates with Compound A levels. That is incorrect.

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

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I am a consultant to Baxter Healthcare, Inc.