Reviewer's report

Title: Beta2-Adrenergic receptor promoter haplotype influences the severity of acute viral respiratory tract infection during infancy: a prospective cohort study

Version: 2 Date: 13 July 2015

Reviewer: Mingzhi Zhang

Reviewer's report:

The aim of the article “Beta2-Adrenergic receptor promoter haplotype influences the severity of acute viral respiratory tract infection during infancy” is interesting and the result is new. The authors find that genotype may be predictive of severity of acute respiratory tract infections.

- Major Compulsory Revisions

In Methods, Study population part,
- the author wrote: we conducted an analysis of infants enrolled in......during an infant’s acute viral respiratory illness over four respiratory viral seasons, 2004-2008. How many of those had a lab-confirmed RSV infection or other virus infection? This should be clear.

- Minor Essential Revisions

In Methods Infant acute respiratory infection severity part

Were these BSS scores rated only once on admission? If the baby needed later mechanical ventilation, did he/she had the same score as on admission? The authors could explain it.

- Discretionary Revisions

In Methods Genotype determination part

Collection of the DNA specimens: how were the blood samples and saliva stored or were they analyzed immediately after taking?

Level of interest: An article of importance in its field

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' below.