Reviewer's report

Title: Hospital-based, prospective, multicentre surveillance to determine the incidence of intussusception in children aged < 15 years in Germany

Version: 1 Date: 28 December 2010

Reviewer: Yi-Hau Chen

Reviewer's report:

This manuscript presents a detailed statistical procedure for estimating the IS incidence rate, adjusting for under-reporting. The estimation procedure seems correct and suitable. Some minor comments follow.

(1) It would be helpful to show a figure for the estimated distribution of underreporting of IS cases V(p).

(2) I cannot understand the statement on the middle of page 12: "For the age group below two years of age and below one year of age this is the case for 10 and 11 hospitals, respectively." Please clarify.

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

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.