Reviewer’s report

Title: Hospitalized cardiovascular events in patients with diabetic macular edema

Version: 1 Date: 7 February 2012

Reviewer: Amirul Amirul Islam

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Minor Essential Revisions:

The study period is from 1 January 2002 to 31 December 2005, i.e., seven years ago. Will it be really tough to collect data from the recent years which will improve the findings significantly.

Study Design: Is it 3 or 4 year period? Should it not be 4 year?

Statistical analysis: ...............events per 1000 person -years were computed by which software?

Results: (first paragraph)- >=3 (46.6% vs 11.8%) in Table 1 though Table 1 shows >=2 (56.5% vs 23%). Please add >=3 cut-off to the table or make the correction in the text.

Incidence of MI: I am wondering how rate of 19.7 or 6.9 MI events/1000 persons were calculated. If you consider 3 years, then rate =( 94/3519)*(1000/3)= 8.9 MI events/1000 person-years. Please check the calculations.

Was Table 4 adjusted for the same varaibles mentioned in Table 5? This is was not clearly mentioned.

Table 1: (age group 70-79) 516/3519 =14.7% instead of 4.7%.

Write down the covariates in the footnotes (Tables 3 and 5) those were adjusted for. Otherwise, apparently it seems the models are not adjusted.

MI events are much higher in Male whereas CVA events are higher in Female. Is there any biological reasons, would be good to add a few sentence in the discussion.

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.