Reviewer’s report

Title: Association between dementia and discharge status in patients hospitalized with pneumonia

Version: 0 Date: 13 Oct 2016

Reviewer: Adrian Ceccato

Reviewer's report:

This is a big database analysis of association among dementia with mortality and hospital discharge in patients admitted by CAP. The strength of this research is the important results about hospital discharge in patients with dementia admitted by CAP for develop specific public health policies.

A few specific issues

1- Please, explain with more details the cox regression analysis. If the data is unadjusted, you should do it adjusted.

2- Define impaired consciousness. What cut-off did you use for Japan Coma Scale?

3- The authors should describe the A-DROP results of the patients included and adjust the analysis with this variable.

4- The authors should describe if the patients had disfagia or use of tube gastric feed.

5- In the fig 1 you analyzed the Cumulative number of patients discharged to home in percentage, however in the figure you wrote cumulative survival. Please fix it.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organisation that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I have not conflict of interest

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal