Reviewer’s report

Title: A population-based cohort study of mortality of intensive care unit patients with liver cirrhosis

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Reviewer: Michel Scotte

Reviewer's report:

This is a nice paper that shows that liver cirrhosis was associated with increased mortality in ICU patients. Furthermore, one-year mortality was also higher in this group of patients. Some points have to be addressed:

1. Could the authors discuss the methods since control group was strictly similar to cirrhosis group, that is quite surprising…

2. Was the diagnosis of cirrhosis really validated? Could some patients with hepatitis without cirrhosis be included in cirrhotic group?

3. In patients hospitalized in ICU, I think that biological parameters can be obtained in registers. So, was there a difference in mortality rates according to Child-Pugh status, or MELD score?

4. Could the authors provide an actuarial survival starting at the day of ICU admission?

5. What kind of specific protocol can be applied to improve the management of cirrhotic patients?? Will the result of these series modify the rate of ICU admission in end-stage cirrhotic disease, such as patients with C child's score?

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

Yes

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

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