Reviewer's report

Title: Clinical Characteristics and Outcomes of Patients with Acute Myelogenous Leukemia Admitted to Intensive Care: A Case-Control Study

Version: 3 Date: 18 August 2010

Reviewer: Adam Peets

Reviewer's report:

Thank you to the authors for undertaking the extensive revisions requested. They have addressed all my concerns previously outlined.

There are just two items I would appreciate the authors considering:

1) This is a matter of preference for me, and therefore should be viewed as a discretionary revision. Since the final number of AML ICU patients was 45, I would find it helpful to have the analyses performed using the 45 non-ICU AML patients that were matched to these patients, rather than all 50 non-ICU AML patients that were originally matched. While I suspect that the results would not change substantially, for me it would be a more logical analysis to undertake (especially since the non-AML ICU controls were matched 1:5 with the 45 AML ICU patients).

2) In Table 4, the reported n is 50 for the non-AML ICU controls, whereas it should be 225.

Thank you.

Adam Peets.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests