Reviewer's report

Title: Hip fracture in Acutely ill hospitalized medical patients

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Reviewer: Keita Miyanishi

Reviewer's report:

The authors analyzed more than 2 million cases to examine risk factors related to in-hospital hip fracture. They performed univariate and multivariate analyses giving increasing age, female gender, nursing home transfer, dementia, malnutrition, delirium, and anemia being risk factors related to in-hospital fracture. They used a valuable patient registry (CMBD which covers more than 90% of the country population) which allowed the authors to examine a huge number of patients. The paper is well written and sounds logical. I have only minor comments.

(1) In this study, did you have clear definitions for the diagnoses of dementia, delirium, malnutrition, and anemia? Were these diagnosed based on the same definition in each patient? I assume that these diagnoses were made based on each physicians' judgement and therefore the definitions differed. Please make this clear in the text.

(2) In the result section, the authors stated that the median age of in-hospital hip fracture patients was 81.69 years whereas it was 81.52 in the Table 1. Please check this discrepancy.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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.