Reviewer’s report

Title: The number of discharge medications predicts thirty-day hospital readmission: a cohort study

Version: 2
Date: 24 January 2015

Reviewer: Alessandro Morandi

Reviewer’s report:

This is a retrospective cohort study aiming at evaluating the impact of polypharmacy on 30-day readmission rate.

I have only few minor comments:

1- I believe it would be important to underline that this is a relatively young population compared to the majority of other studies evaluating the role of polypharmacy.

2- In the results section you report first that ED admission in the six months before the index hospitalization is the strongest predictor of readmission. I believe it would be important to state upfront the effect of polypharmacy since it’s the main topic of your work and then report the other results.

3- In case of future work it would be important to include in the model the presence of delirium at the time of admission since it is well recognized to be an important predictor as well. Please add this limitation in the manuscript.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

No conflict of interest.