Reviewer's report

**Title:** Predictors of psychiatric hospitalization during 6 months of maintenance treatment with olanzapine long-acting injection: post hoc analysis of a randomized, double-blind study

**Version:** 1  **Date:** 14 May 2013

**Reviewer:** Rune Kroken

**Reviewer's report:**

A well-written report in a topic of great clinical significance for patients with schizophrenia. The use of inpatient treatment is costly, and differs between health systems and nations. The manuscript needs some improvement before publication. The two-fold goal can be reconsidered; the design of the study is more suitable for the investigation of predictors for hospitalisation than for the comparison of oral to LAI antipsychotics.

**Major compulsory revisions**

**Introduction:**
1. The main topic is predicting hospitalisation, but there is no overview over previous literature on this topic in the introduction, e.g. suicidality or previous hospitalisation.
2. As a subgoal in the study is to compare olanzapine oral and LAI, some central papers regarding the use of RCTs to study the effects of oral vs. LAI antipsychotics could have been referred to.
2. The first lines of the methods section is also given in the introduction, there should be no need to do so.

**Methods:**
1. it would have been nice to know how many sites in which countries participated, and the number of patients per site, and the length of the follow-up in each group.
2. Should there be a subheading called "Variables" in the method section? Much of the text in the "Study design" and some in the "Statistical analysis" section could have been labeled so.
3. Did the study assess the use of alcohol or drugs?

**Results:**
The section is perhaps too long, the paper would benefit of a more condensed version.

**Minor points:**

Figures: X-axis : days?
Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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

Declaration of competing interests:
I declare that I have no competing interests