Reviewer's report

**Title:** Triglycerides as a biological marker for repeat re-hospitalization resulting from deliberate self-harm in acute psychiatry patients: a prospective observational study

**Version:** 1  **Date:** 9 September 2013

**Reviewer:** Bun-Hee Lee

**Reviewer's report:**

This study was well designed and found interesting finding that higher triglyceride levels were related with repeated self-harm behavior. However, findings from the previous studies exploring various lipid data and self-harm behaviors/suicidal behaviors have been controversial.

**Major Compulsory Revisions**

1. Some studies indicated that low cholesterol level could be one of risk factors for suicidal behavior especially among subjects with major depressive disorder, which had been described in the background of the manuscript.

Table 2 in this study showed that subjects with DSH-R included no one diagnosed with depressive disorder. I think that this can be important one of different points between this study and other previous ones. The authors should discuss the above that subjects with DSH-R did not include anyone with depressive disorder.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.