Reviewer's report

Title: Neuroleptic-induced movement disorders in a naturalistic schizophrenia population: diagnostic value of actometric movement patterns

Version: 2 Date: 21 January 2008

Reviewer: Michael P Caligiuri

Reviewer's report:

Minor essential revisions:

The authors considered most of the comments and recommendations from the previous review; however, there remains some confusion regarding the ROC curves. The authors provide a brief description of the performance of the subjective questionnaire versus lower limb activity count for differentiating NIA from NIMD +PsA (combined?), NIA, NIP, TD and PsA (alone?). This is potentially useful; however the reader does not know the actual score on the lower limb activity measure that separates NIA from other NIMD. Data presented in the tables are for activity period, presence or absence of rhythmic activity, frequencies, and peak amplitude but not activity counts. This makes the ROC analysis meaningless, as the reader has no way of using their approach to help in the diagnosis of individual cases. The authors had the advantage in this study of knowing diagnosis a priori; clinicians to hope to use this quantitative method will not; all they will have is data procured by the accelerometer such as activity counts. But the authors provide no insight as to what score best confirms the diagnosis if NIA versus NIMD.

What next?: Accept after minor essential revisions

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.

Declaration of competing interests:

I declare that I have no competing interests