Reviewer's report

**Title:** Modeling gradually changing seasonal variation in count data using state space models: a cohort study of hospitalization rates of stroke in atrial fibrillation patients in Denmark from 1977 to 2011

**Version:** 2 **Date:** 22 October 2012

**Reviewer:** Matthew Ferrari

**Reviewer's report:**

I am satisfied with the changes made by the authors. I am happy to recommend the manuscript for publication.

**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:**

I declare no competing interests.