Reviewer's report

**Title:** The 5-HTTLPR polymorphism of the serotonin transporter gene and short term behavioral response to methylphenidate in children with ADHD

**Version:** 7  **Date:** 6 April 2010

**Reviewer:** Elias Zintzaras

**Reviewer's report:**

- Describe the data structure (i.e. study design) in a more clear way (provide a diagram)
- Fit the following model:
  
  `proc glm;
  class subject sequence period treatment;
  model y=sequence sequence(subject) period treatment covariate;
  lsmeans treatment/ STDERR PDIFF CL ALPHA=0.05;
  run;`

- Justify the sample size and perform a power analysis
- Interpret the HWE (see Zintzaras and Lau J Clin Epidemiol 2008)

**Level of interest:** An article of importance in its field

**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'