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:** 6  **Date:** 14 December 2009

**Reviewer:** Elias Zintzaras

**Reviewer’s report:**

If the design is really the one described in the paper, then, the authors should fit the model I have proposed. This model may also accounts for baseline scores. The period by treatment interaction must be included regardless if the authors are interested or not (see the book by Byron Jones,Michael G. Kenward, Design and analysis of cross-over trials, Chapman and Hall)! 

The explanation given on HWE is not adequate. We know that HWE testing ensures equilibrium, so what?

**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'