Reviewer's report

Title: Lack of association between serotonin transporter 5-HTT gene polymorphism and endometriosis in an Italian patient population

Version: 1  Date: 24 April 2014

Reviewer: Roberto Marci

Reviewer's report:

Major compulsory revisions
The Authors state that the reduction in serotonine re-uptake leads to higher tendency to stress (Introduction) and that serotonine influences the affective and sensory components of the disease (conclusion). However, a thorough explanation of the role of serotonine in the pathogenesis of endometriosis is lacking: it is clear that a greater tendency to stress could influence pain perception in endometriosis, but how could it lead to the onset of the lesions? The Authors should dwell more on the hypothesis behind their work (How can serotonine transporter gene play a role in the pathogenesis of endometriosis?).

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.