Reviewer's report

Title: Antibodies against gonadotropin-releasing hormone (GnRH) and destruction of enteric neurons in 3 patients suffering from gastrointestinal dysfunction

Version: 1 Date: 5 June 2009

Reviewer: Jackie Wood

Reviewer's report:

This is a rather abbreviated report of three cases with functional gastrointestinal disorders associated with enteric autoimmune degenerative neuropathy related to circulating anti-enteric antibodies. It is groundbreaking and interesting for interests in enteric neurophysiology, because mostly as yet unpublished observations that high titers of anti-enteric antibodies are present in the serum of an astonishingly high proportion of patients with a Rome II/III symptom based diagnosis of IBS. The data from the three patients was obtained with appropriate and valid analytical methodologies and convincingly support the conclusion that the patients' symptoms reflect degenerative loss of the enteric nervous system (i.e., the brain-in-the-gut. The authors are congratulated for a well prepared manuscript written in clear understandable English, with valid data that support interpretations and conclusions.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.