Reviewer's report

Title: Helicobacter pylori infection, dementia and primary open-angle glaucoma: how are they connected?

Version: 2 Date: 3 November 2014

Reviewer: Vasileios Papaliagkas

Reviewer's report:

The paper deals with an interesting topic, investigating the connection between Helicobacter pylori infection and neurodegenerative diseases, represented by primary open-angle glaucoma and dementia (Alzheimer's disease).

The authors have based the diagnoses of each separate disease group on a wide range of specialized examinations and have concluded to positive correlations between the examined entities in all possible combinations.

Study set-up, statistical methods and results appear well presented and solid. The article could benefit from an enhanced discussions' section and a language polishing from a native speaker.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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