Reviewer’s report

Title: The EPIYA-ABCC motif pattern in CagA of Helicobacter pylori is associated with peptic ulcer and gastric cancer in Mexican population

Version: 3 Date: 8 October 2014

Reviewer: Christophe BURUCOA

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The manuscript of Beltran-Anaya et al. is a single-center descriptive study seeking in 499 Mexican patients the presence of H. pylori infection and the presence and motifs of EPIYA CagA. The search for the infection and characterization of virulence genes is performed using PCR technology on biopsies directly, without isolation of the bacterium in culture. They report a high prevalence of CagA in the Mexican population. They show the statistical relationship between the number of patterns Epiya-C and ulcerous and cancerous diseases. The strength of this work is the large number of patients studied. The results presented are not very original, numerous articles have already been published in numerous studies in the world, in South America but never in South Mexico. The manuscript is well written, clear. Some improvements are proposed:

• Give the dates of the patient inclusion
• Describe the analysis of electrophoretic profiles for defining patterns and number Epiya
  • Line 320 de change the
  • Line 523 26 the number not in bold

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 interest