Reviewer’s report

Title: Serum lipids in Brazilian children and adolescents: determining their reference intervals

Version: 4 Date: 6 November 2014

Reviewer: Konstantinos Tziomalos

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The present study aimed to establish reference values for LDL cholesterol, HDL cholesterol, non-HDL cholesterol and triglycerides in a Brazilian population. However, it is not widely accepted that reference values for lipids should be country-specific. The authors mention that diet differs between countries and that this affects lipid levels but this is not a strong argument for having different reference levels in different countries. Moreover, it is unclear whether the population of a single city is representative of the whole Brazilian population and therefore if the reported reference levels can be used in other parts of the country.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.