

# Review of: "Giardia lamblia infection And Associated Risk Factors Among Patients Who Are Seeking Stool Examination At Bule Hora University Teaching Hospital, West Guji Zone, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

The intention was to evaluate human infection with *Giardia lamblia* and to relate it to characteristics of patients.

It would have been good to know which *Giardia* was present (A or B assemblage?). It is also a pity that children are not present in this evaluation since they are the most susceptible. Immunodeficient patients are also more easily infected, and we have no information on their HIV status. We do not know if in this region people eat molluscs filtering water, like mussels, etc., which could also be the source of infection.

The paper needs a good check of the references, which are not correct in many cases (names, journal, etc.). A fairly recent reference on all aspects of giardiasis is not cited that could support this paper: "Update on *Giardia*: Highlights from the seventh International *Giardia* and *Cryptosporidium* Conference". André G. Buret, Simone M. Cacciò, Loïc Favenec, and Staffan Svärd. *Parasite*, 27 (2020) 49

DOI: <https://doi.org/10.1051/parasite/2020047>

The people coming to the hospital could have diarrhoea or not, other common protozoan or helminth infections (not recorded), and thus it does not provide a good sample since 70% of *Giardia* infections remain unnoticed, and patients for stool examination have a problem (we do not know what it is outside of *Giardia*).

Supposing that this population is mainly infected with *Giardia*, it could have been interesting to calculate odds ratios. The food hygiene should be commented on, as well as nail status. The idea to include fruits and vegetables to be washed is not that good: vegetables are eaten cooked and the fruits mostly uncooked, so they do not play the same role in infection. The factors eventually to be related to infection should be clarified. What was the influence of religion? Ethnicity? Were there reasons for their inclusion?

This paper needs a very extensive revision.