

Review of: "Theory of the Leaky Intestine: Gender Differences in Intestinal Parasitic Infections, Cytoskeletal Wall Dysfunctions, and Hypertension"

Sylwia Szymańska¹

¹ Children's Memorial Health Institute

Potential competing interests: No potential competing interests to declare.

This is a single-center study investigating the theory of "leaky intestine" in relation to different factors. The authors try to provide a plausible explanation of the role played by parasitic infections in this process. This is pretty interesting research; however, I have some reservations:

- Was it a retrospective or prospective analysis?
- The control group consisted of healthy individuals - how were they recruited (volunteers?)
- The exact description of the statistical methods should be in the part titled "Material and Methods"; authors repeated it in the Results, which is not right.
- Putting any kind of explanation should be in the Discussion section, not Results.
- In my opinion, case reports should be avoided.
- The authors focused on chronic infections, while in the beginning, they divided patients into three groups depending on the duration of disease - weren't there any changes/differences between groups in acute cases?
- They found differences in the thickness of the intestinal wall in the descending colon only - is there any explanation/hypothesis for such an observation?
- The explanation of some abbreviations appears a few times in the text.
- I appreciate the way the authors try to connect hypertension and cytoskeletal wall dysfunctions, but I would be careful with drawing any hypotheses on that as we know that the mechanism of high blood pressure is rather complex.