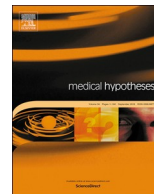




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## Two simple comments regarding coronavirus



### ABSTRACT

Two thought provoking comments related to understanding the problems with the coronavirus are presented.

### The comments

We would like to add two comments to the very wide internet discussion of the current coronavirus epidemic (which can be seen, e.g., on the Facebook). These comments, despite their formal simplicity, introduce some logical simplicity into the discussion.

Firstly, the relatively recent observation (I believe, of some German scientists) that indications of the disease include not only a high fever and severe dry cough, but also some stomach (digestive) problems. It is an old observation of mine – of one who was never strong and has suffered through numerous viruses during his 70 years – that the virus “travels” through the body, normally causing in turn: high fever, cough, throat pain, and then (usually the last stage) digestive-tract problems. That is, the latter problems for the coronavirus could be expected simply because it is a VIRUS. Still, there is the question of whether or not the digestive-tract problems can appear without high temperature, etc. We think that this is not very probable, though each of the problems can be dominant and thus easier for detection. If so, then the other problems might be not recorded.

Secondly, we would like to recall our article [1] where it is pointed out that the burden of the body's fight against virus can give some freedom to some of the bacteria that are always present in the body, and with which the body usually fights successfully. Stressing that the problem of the “release” of the bacteria relates mainly to weak people (in the present case – not necessarily older people – they may be also children) – it is thus explained in Ref. [1] that antibiotics CAN also help in the case of a virus – even though it does not act DIRECTLY on the

virus. Here too, there is an interesting question – WHICH bacteria can thus support the coronavirus. This question is certainly relevant to the target of developing pharmaceutical to help fight the coronavirus. THE VIRUS DOES NOT ACT ALONE!

I am grateful to Shlomo Engelberg for some style corrections.

### Declaration of Competing Interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

### Appendix A. Supplementary data

Supplementary data to this article can be found online at <https://doi.org/10.1016/j.mehy.2020.109788>.

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- [1] Gluskin Emanuel. That antibiotics does not destroy virus does not mean that it does not help a human having virus. *Med Hypotheses* 2015;84(5):527.

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