

Review of: "[Research Note] Dengue – Therapeutic Efforts in Mexico"

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Potential competing interests: No potential competing interests to declare.

Hello everyone.

I do bring some recommendations to improve this article.

Attention for dengue is usually centred on diagnosis, treatment, and prevention. Therapy without antivirals is generally focused on fluid, analgesics and supportive care. Several medicines were tested as potential antivirals, and as mentioned, without success. The last paragraph gives some options and current trials. It is also important to mention why studies are looking into antivirals, the reason being to stop the spread and number of cases and lower the dengue-associated complications. Only some people need treatment; in most low and middle-income countries, treatment at clinics and hospitals is support and complications. The most important step is to identify patients rapidly. Other antivirals not tried in Mexico but elsewhere include Chloroquine, Balapiravir, and Celgosivir.

Prevention is usually divided into vector-borne diseases depending on the targeted site: disease, larval or adult insect. The most important measure for dengue control programs is a combination of measures targeting different stages. Additionally, all steps should always be measured, improved and educated to local communities. The second paragraph focuses on vector control of *Aedes* spp. However, Wolbachia is mentioned as a possibility. It is important to note the different strategies to control vector-borne diseases. This paragraph goes apart from the current topic, which is current therapeutic efforts. It could be mentioned at the end after a line with, as no current antiviral is effective, prevention is the best strategy, and local communities should also look into their particular situation to improve health care. Wolbachia in that study is important, but it wasn't the only measure used. They also included a fast elimination of all the usual reservoirs and later released Wolbachia-infected *Aedes* and radiation sterile. Maybe also mention other preventive measures, including nets and insecticide, and maybe in the future, including vaccination for those who already have dengue and are still living in endemic areas.