Reviewer's report

Title: Unsuccessful therapy with adefovir and entecavir-tenofovir in a patient with chronic hepatitis B infection with previous resistance to lamivudine: a fourteen-year evolution of hepatitis B virus mutations

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Reviewer: Rolf Kaiser

Reviewer's report:

The manuscript shows a case report of an HIV-HBV coinfected patient over a large time period. The patient was treated with different anti HBV-drugs. Figure 1 shows the HBeAg/antiHBe-Status, Viral load, ALT-values, different therapies and some mutations.

The viral load is not fully suppressed, despite a combination therapy with ETV and TDF.

Figure 1 shows a period of HbeAg(+) and simultaneously antiHBe(+) over a period of approx. 3 years - please clarify, because the text and the legend mention only a short period.

The authors strongly state that due to acquired resistance to Lamivudine the subsequent regimens fail, even a ETV/TDF-combination. The figure shows in contrast a suppressed viral load at the end of the observation time. Please clarify.

Also the rt mutations A181T, T184L, I233V are mentioned in the text, but not in the table. Furthermore the viral load is intermittant under a constant therapy. This is in contrast to the statement about the high compliance of the patient. Unless this discrepancy between statement in the text and data shown in the figure is resolved, the paper should not be published.

The complete list of all mutations (and the frequencies) and polymorphisms as well as the corresponding treatment in a table would be helpful to follow the arguments of the authors.

All sequences should be submitted to Genebank prior to publication.

These discrepancies have to be cleared.

A correct figure 1 needs to be presented.

The sequences need to be submitted to genebank.

A Table with all mutations and polymorphisms with respect to a defined reference sequence shall be presented.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being
published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests