

## Response to the reviewers

Dear reviewers,

Thank you very much for your contribution to our manuscript. In light of your criticism, we have made following changes to the manuscript. In the manuscript, changes are marked by yellow color.

1) *In the section of “core tip”, authors concluded that male population with CHB may have lower prevalence of metabolic syndrome. Please mention how gender affects the prevalence of metabolic syndrome in CHB patients.*

We have reworded the sentence and added references

**Surprisingly, male patients with CHB may have lower prevalence of MetS than patients without CHB, but this has not been observed in females [10,11,15].**

2) *Authors also pointed out that the prevalence of metabolic syndrome increases with age not only in uninfected patients but also in patients with CHB. Please refer what this statement is based on.*

**- "references to the core tip added"**

3) *In Table 1, it is helpful to include the information about the countries/areas where each study conducted as well as race or ethnicity of the study population, because these factors are mentioned in the main text.*

**- added information about race and country of origin**

4) *Are there any overlapping cases between 2 studies conducted by the authors' group (i.e. ref. 13 and ref. 14)? If so, please mention this in the text.*

**The sentence describing the two studies was changed so that it is clear that the Roma population in both studies was the same: „No relationship between CHB and MetS was found in both studies from Europe, however, the study by Janicko et al. included only very specific young Roma population, but the second study expanded this population with also majority caucasian population[13,14]“.**

5) *In Tables 1 and 2, abbreviations should be defined (e.g. “MS”, “NS”).*

**- The definition of abbreviations added.**

6) *I believe “v.s.” should be corrected to “vs.” if it stands for “versus.” Table 1, last row, last column; in the second sentence, “No correlation between MS and HBV infection”, the word “in women” is omitted if I understand it. There are some literal errors in the text.*

**-v.s. changed to vs.**

**-added "in women"**

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