

Dear Science Editor and Editor-in-chief:

Thank you very much for your review and evaluation of the manuscript.

Corresponding changes have been made according to the opinions of the reviewers.

Reviewer 1

1. Added article on the role of probiotics and synbiotics in NAFLD to line 269, which is after the reference number of 69.

Reviewer 2

1. Line number was added and description of gut microbiota was unified.

2. "A clinical study found that fecal acetic acid and propionic acid were significantly increased in patients with NAFLD. The propionic acid/ acetic acid concentration was positively correlated with peripheral blood T helper 17 cells/ resting regulatory T cells ratio, while negatively correlated with peripheral blood resting regulatory T cells, suggesting that short-chain fatty acids may be involved in the progression of NAFLD by inducing proinflammatory T cells[60]." This paragraph may not be clearly stated, resulting in ambiguity. It is not intended to explain the relationship between T cells and NAFLD, but that SCFA may affect NAFLD through T cells. Therefore, it is modified as: "A clinical study^[60] found that the concentration of propionate / acetate in feces of patients with NAFLD was positively correlated with the ratio of Th17/rTreg in peripheral blood, but negatively correlated with rTregs in peripheral blood. Th17/Treg dynamic balance is an important factor in maintaining immune homeostasis, Th17 plays an inflammatory role, while Tregs plays an immune tolerance role^[61], suggesting that SCFA may participate in the progression of NAFLD by affecting T cell immune function."

I am Looking forward to your early reply.

Sincerely

Yunliang Wang