

ANSWERING REVIEWERS



June 20, 2014

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 11446-review.doc).

Title: Gut microbiota and metabolic syndrome

Author: Davide Festi, Ramona Schiumerini, Leonardo Henry Eusebi, Giovanni Marasco, Martina Taddia, Antonio Colecchia

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript no.11446

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer no.2

Section: Gut microbiota and obesity

- 1) According to the referee's suggestion related to refs 9,10,11 and 17 we have changed the text (pages 4 and 5)
- 2) According to the referee's suggestion we have discuss the paper by Bajzer et al (ref.17)
- 3) According to the referee's suggestion we have shortened the section related to SCFA
- 4) We have discussed the activity of LPL (page 4)
- 5) We agree with the referee's answer and we have changed the text accordingly adding ref.20
- 6) We have transferred this part into the NAFLD section (page16, ref.77)
- 7) According to the referee's suggestion we have discussed how microbiota shapes immunity (page 7)
- 8) According to the referee's suggestion we have critically review the papers by Santacruz and Kalliomaki (page 9)
- 9) According to the referee's suggestion we have discuss the non-dietary factors (page 9)

Section: Influence of diet

- 10) According to the referee's suggestion we have more detailed the results of De Filippo's study (page 10, ref.42)
- 11) According to the referee's suggestion we have discussed the study by Cani et al (page 10, ref.18)
- 12) According to the referee's suggestion we have discussed the studies by Hildebrand and by Fleissner (page 11, refs.51 and 52).

Section: Gut microbiota and diabetes

- 13) According to the referee's suggestion we have detailed the role of A. municipihila (page 13)
- 14) According to the referee's suggestion we have clarify the meaning of the term "mewtabolic endotoxemia" (page 6)
- 15) According to the referee's suggestion, we have stressed the relevance of TLR-4 pathways (page 13, ref.57)

- 16) According to the referee's suggestion, we have comment this aspect (page.12)
- 17) We agree with the referee's suggestion concerning the role of bacterial in promoting type 2 diabetes (page 14)
- 18) We have discuss the report by Membrez et al (page 13, ref.57)
- 19) We have commented the study by Karlsson et al (page 15, ref.72)
- 20) Since type 1 diabetes is not considered a component of the metabolic syndrome, we decided not to discuss this topic.

Section: Gut microbiota and NAFLD

- 21) We thank the referee for the suggestions and the related references concerning the role of the gut-liver axis in the NASH pathogenesis; we believe to have commented the available evidence using similar references
- 22) We agrre with the referee's suggestion regartding the length of the section: therapeutic strategies; however we believe that this section is important for clinicians.

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

Davide Festi, MD
Department of Digestive Diseases and Internal Medicine,
University of Bologna
S.Orsola Hospital
Via Massarenti 9,
40138 Bologna, Italy
[Tel:+39-336552747](tel:+39-336552747), fax: +39-051-6364123
E-mail: davide.festi@unibo.it