
Biostatistics statement:

Name of journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 33550

Manuscript Type: ORIGINAL ARTICLE

Title: Couples of patients with ulcerative colitis exhibit a biologically relevant dysbiosis in fecal microbial metacommunities

This statistical methods of this study were reviewed by Fuqiang Ye and Xiaochen Bo. Both of them had a Biostatic Master and are expert's performing these type of analysis.

Xiaochen Bo

Best Regards,

Xiaochen Bo, Department of Radiation Toxicology and Oncology, Beijing
Institute of Radiation Medicine, Beijing, People's Republic of China.

4 How did the authors deal with the pre-study hypothesis?

In this study, 16S rRNA amplicon sequencing and biological information analysis were used to deal with the pre-study hypothesis.

5 What are the novel findings of this study?

In this study, we found that microbial composition may be impacted in healthy couples cohabiting with UC patients, especially in terms of microbiota dysbiosis in healthy couples.

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