

Dear editor of *World J Clin Cases*

Thank you for your e-mail

We thank you for considering our work for publication

We like to thank the reviewers for their effort to improve the quality of the submitted work

We hope the changes that we made will meet your approval

### **# Reviewer 1**

Dear reviewer, thank you for your comments we hope the response will meet your approval

1. There are some errors in Scientific Language, like These words in this "women. And women". It may be corrected to be "women and women." & also, the word "Chinses females expressed" to be corrected to "Chinese females expressed." Please, re-check all the text of the paper.

### **Response**

All text has been proofread. We hope it will meet your approval.

2. In the second paragraph, you mentioned race as a factor affecting the Vm. Please, explain how race affects the Vm. Is this due to anatomical differences or due to different habits and practices

### **Response**

Thank you for raising this important point; we have added the reference you pointed to and added the explanation suggested; it improved the text; thank you.

3. To this paragraph, "It was proposed that Vm could serve as a useful biomarker for earlier diagnosis and prevention [19-21].", Please add How investigate Vm?

### **Response**

The text has been revised. Kindly check.

4. You mentioned, "Vm has implications for women's obstetrical and reproduction outcome.". Is there a difference between obstetrical and reproduction? Please, clarify.

### **Response**

We apologize that was careless of us; the text was revised as women's obstetrical and fertility potential.

## **# Reviewer 2**

Thank you, sir, for the insightful comment and the point-to-point instruction; they improved the text, we appreciate it.

1. For the running title, it was changed under your guidance.
2. All the suggested changes in the text were addressed and done accordingly; kindly check it was all highlighted in yellow.
3. The suggested revision was made to the unclear paragraphs; we hope they will meet your approval.

Furthermore, the implication of vaginal microbes on fertility outcomes and women's health in menopause was explored, given the increasing number of women entering menopause. An emphasis was made on Vm's benefit in the management of menopausal symptoms, reducing the risk of osteoporosis, regulating the nervous system, and lipid profiling for menopausal women<sup>[9-11]</sup>.

For infertile couples seeking assisted reproductive technique, an alteration in Vm and male seminal fluid microbes were linked to unsuccessful assisted reproductive technique (ART) outcome; in fact, Lactobacillus presence in the women's lower and upper genital tract favors positive outcomes

4. Regarding the confounder that you kindly suggested adding, we added the last paragraph of the text; thank you for the advice.

The COVID-19 pandemic has had a detrimental effect on fetal-maternal outcomes. Celik et al. discovered a considerable change in Vm in affected cases. In fact, the more severe the maternal illness, the more Vm is altered. As a result, the researchers hypothesized that COVID-19 fosters an undesirable vaginal microenvironment. These findings point to the potential use of microbiome-associated indicators as *a risk assessment tool* for preterm birth in COVID-19 pregnant women. In addition, a *therapeutic avenue* can be created via the modification of Vm in affected cases.

## Round 2

### **# Reviewer 1**

You may change the verb of this sentence to the present instead of the past "A disturbance in the delicate balance maintained in Vm was linked to women's obstetrical and reproductive tract problems".

### **Response**

dear editor thank you for your e mail we have changed the verb in the referred sentence into the active form .

The vagina has diverse vaginal microbes (Vm). A disturbance in the delicate balance maintained in Vm **is** linked to women's obstetrical and reproductive tract problems.