

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 91240

Title: Gut microbiota and female health

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03976790

Position: Editor-in-Chief

Academic degree: DSc, PhD

Professional title: Emeritus Professor

Reviewer's Country/Territory: France

Author's Country/Territory: China

Manuscript submission date: 2023-12-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-12-26 14:33

Reviewer performed review: 2023-12-30 14:52

Review time: 4 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Comments about the manuscript: "Gut microbiota and Female health" It is currently accepted that the intestinal microbiota acts on anatomically distant organs, with repercussions in particular on female health which can lead to diseases such as polycystic ovarian syndrome, endometriosis, breast and cervical cancer. uterus or ovary. However, the mechanisms involved are not yet well understood. The aim of the editorial proposed here is to explore the mechanisms by which dysbiosis of the intestinal microbiota impacts the development of these female diseases. This interesting and useful update could be published. Here are some minor remarks regarding the manuscript. Page 5, Metabolic pathway. Write "microbiota" instead of "mircobiota". Page 6, line 2. "The study by Qiao et al. reported": Indicate the reference number of Qiao et al. here, and add it to the list of references. The closest reference (ref 30) is not in the name of Qiao. Page 6, CHANGES OF GUT MICROBIOTA IN PATIENTS - 1. Polycystic ovarian syndrome, PCOS. "Tremellen and Pearce": Also give the reference number (32) here. Page 6. "(...) and Tyzzerella 4 were identified as the characteristic genera in obese patients with PCOS." (three lines before the end of page): Is this study still the previous



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one (ref. 32), or is it another study? In this case, provide a number and include the reference in the list. Page 7, line 1. “(...) for the treatment of PCOS”: same: what is the reference? Page 7. Endometriosis. Write “childbearing age [34].” (in superscript) instead of “childbearing age [34].” Page 10, line 8. Write “Huang et al. performed ovariectomy on 12-week-old mice and...” instead of “Jia Huang et al. performed ovariectomy on 12-week-old mice and...” (do not give the first name of the author).