



PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 72772

Title: Washed Microbiota Transplantation Reduces Serum Uric Acid Levels in Patients with Hyperuricaemia

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04107278

Position: Peer Reviewer

Academic degree: PhD

Professional title: Senior Scientist

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2021-10-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-10 04:28

Reviewer performed review: 2021-11-10 05:45

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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 type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" 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
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SPECIFIC COMMENTS TO AUTHORS

• How authors categorized the high and normal range of uric acid levels • “...., it is urgent for us to develop a new therapeutic approach ...” this sentence could be novel therapeutic approaches are need in the treatment of hyperuricemia. • In introduction section, references for current treatment option for HU and side effect of current therapies are missing. • There are several spelling mistakes and space in the manuscript. • The manuscript needs to be checked for grammatical errors. • Some sentences “In recent years, faecal microbiota transplantation (FMT), which refers to the transplantation of the functional flora of a healthy individual into the gastrointestinal tract of a patient to build a new intestinal microbiota to treat intestinal and extraintestinal diseases, has emerged as a treatment strategy” is very long and difficult to understand. • Why there is higher number of patients in NUA group than HUA in both short term and long term ? the number of patients should be equally randomized in the all the groups. • Table 3 is not necessary in the manuscript • The abstract should contain the actual number of patients in the HUA and NUA groups of the study. • Figure 3, 4 and 8, should have clear reporting of the values of SUA before and after. As it is difficult to predict the effect response. These should a table for pre and post treatment in both short term and long term treatment group. • Can author include SUA of mid-term effect treatment groups ? • The actual sample size that shows the WMT effect is very small. • In discussion, authors mentioned the reason for ineffectiveness of the WMT. They should implement this in inclusion criteria. This as a inclusion criteria will increase the WMT applicability and the effect of WMT. • Authors did not provide justification for reduced effect of WMT in mid term. Why effect reduced in mid term group.



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Peer-review model: Single blind

Reviewer's code: 00505859

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-10-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-10 11:11

Reviewer performed review: 2021-11-10 15:01

Review time: 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The ~10% reduction of serum uric acid levels is noted as statistically significant. Further, the side effects in the reviewed studies need to be delineated. Reduction in gout attacks or improvement in renal function? What is missing is documentation that such minimal reduction in levels is clinically significant.



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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05174548

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Research Fellow

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2021-10-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-27 15:41

Reviewer performed review: 2021-11-11 06:10

Review time: 14 Days and 14 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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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
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SPECIFIC COMMENTS TO AUTHORS

This is a retrospective analysis of 144 patients who received WMT for various indications on a 4-year period for different indications. The authors assessed the variations of the levels of serum uric acid before and after WMT. They found a role of WMT in lowering SUA in patients with hyperuricaemia. The article is within the journal's scope and the topic is quite important. The study design is done very well. However, I think that baseline disease and WMT indication could constitute a bias since they determine a profound heterogeneity of microbiota status. Authors should have studied patients' outcome in relation to their baseline disease and WMT indication, at least for those cohorts of patients with the same indication that are numerically significant (i.e. IBS, FC, UC, GERD, NAFLD). References are up to date and relevant. I would like to recommend language revision. I would recommend typos revision as well.