



PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 82379

Title: HEPATIC STEATOSIS IN PATIENTS WITH RHEUMATOID ARTHRITIS TREATED WITH METHOTREXATE IS ASSOCIATED WITH BODY MASS INDEX

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05775440

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2022-12-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-19 05:38

Reviewer performed review: 2022-12-23 03:21

Review time: 3 Days and 21 Hours

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 Grade E: Do not publish
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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

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

In this manuscript, the author designed a prospective study to determine if liver steatosis in patients treated with MTX for AR is associated with MTX-CD, BMI, gender, and LF. And they concluded that only BMI is significantly related to LS in these patients. Although there are no new discoveries, this study gives us more data for the debate about the impact of MTX treatment in RA patients on liver steatosis. Several suggestions are listed below: 1. The raw data of the 59 patients for every indicator, such as MTX-CD, MsS, BMI, LF, etc., should be shown in a supplementary excel. 2. A more intuitive data presentation, such as a line chart and histogram with a bar, is recommended for the main Result. 3. Because more women than men were included in this study and the limited sample size, no relationship between "gender" and LS is hard to be concluded.



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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00049727

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chairman, Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Spain

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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



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

The authors conclude that LS in patients with RA treated with MTX is not associated with MTX-CD, HF, male sex or MetS, but BMI is significantly related to LS in these patients. The manuscript was well written, and a lot of experiments are carefully evaluated. However, there are some points to be revised.

1. Too many repetitions in this manuscript.
2. Suggestion that the authors should use the fonts required by the magazine.
 - Minor 1. Typing mistake: 1) P2, Line 32, Background and Aims: Line 4: "...if LS in patients treated with MTX for AR ..." "AR?", "RA". "AR" appears in many places in this manuscript. The author should carefully review it. 2) P2, Line 44, Methods: Line 9: "...index (BMI) greater than 30kg/m2." "30kg/m2", "30kg/m2"
 2. P2, Line 52, Result: Line 2: Punctuation mistake: "61,52-yr-old (SD 11,73)" "61.52-yr-old (SD 11.73)".
3. P3, Line 58: "CPA-gender: "8 male/18 women LS..." Unified name: Male /Female, Men/Women.
4. P7, Line 188, Result: Line 23: "CAP-Fibrosis: 53 No LF (89.83&%);" "(89.83&%" sign problem.
5. Introduction (the last line): Please check for syntax errors, "gender and LF" "gender or LF"
6. Methods: The authors should explain the full name of the "APRI".
7. Methods: "Demographic and analytical data" "Demographic data analysis"
8. Methods: "APRI score" or "APRI scores". Please use the same writing method of "APRI score".
9. Results: Only women's clinical characteristics and laboratory data in table 1 and table 2.
10. The clinical characteristics and laboratory data of the men should be given in the annex.
11. Results: In Table 1, there are 2 women patients with type 2 diabetes, DM was predictor of LS. "CAP-gender: 8 male/ 18 women LS; 8 male/ 25 women no LS, p=0.576." The authors mentioned the association between LS and DM. Is it correct?
12. Results: "...and only 7 (11.8%) were taking NSAIDs". The



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7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
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description is unclear, leading to misunderstanding that 7 patients were only taking NSAIDs. You can write only 7 (11.8%) were taking NSAIDs and MTX combination therapy. 13. Discussion:"MetS" or " MtS". Please use the same writing abbreviation of "metabolic syndrome ". 14. Discussion: Please check for syntax errors, such as "gender and LF" and "gender or LF".