

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 84666

Title: Predictors and optimal management of tumor necrosis factor antagonist nonresponse in inflammatory bowel disease: A literature review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02997260

Position: Peer Reviewer

Academic degree: PhD

Professional title: Senior Researcher

Reviewer's Country/Territory: Lithuania

Author's Country/Territory: China

Manuscript submission date: 2023-03-23

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-04-27 06:36

Reviewer performed review: 2023-05-03 07:06

Review time: 6 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 Grade E: Do not publish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 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 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 demonstrate good analytical approach to important clinical aspects of the disease, starting from the definition of terms, however, the manuscript requires improvement. Please include the most relevant information in the abstract avoiding generalities. The same is also true for the conclusions. Please describe the process of literature search in details and provide a table with the workflow. Since the authors analyzed ant-TNF treatment depending on disease phenotype, CD and UC should be assessed separately. Please consider to present in a table the information which is in the PREDICTORS OF PRIMARY NONRESPONSE and PREDICTORS OF SECONDARY NONRESPONSE sections. In this way, the most valuable for practitioners section of the manuscript shall become more prominent and the manuscript will be easier to read. Please correct typos and minor imperfections: 1) “Morita et al. found a significant significantly higher serum albumin in responders than in primary nonresponders” 2) “The key mechanism by which infliximab and adalimumab exert their anti-inflammatory effects is by the induction of apoptosis” This statement is misleading because of insufficient information. Please specify. 3) Decipher all



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abbreviations: FCGR3A-158V/V , PK/PD model, ATG16L1, etc. 4) Do not provide references to the literature in the conclusions. Final remark: in order to strengthen the review itself and suggestions for treatment prognosis made by the authors I would recommend to perform a meta-analysis of the selected publications separately for CD and UC. In this way, this review will get more attention from readers.

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Title: Predictors and optimal management of tumor necrosis factor antagonist nonresponse in inflammatory bowel disease: A literature review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03700188

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Adjunct Professor, Attending Doctor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2023-03-23

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-05-26 01:47

Reviewer performed review: 2023-05-31 00:06

Review time: 4 Days and 22 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
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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 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
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

I noticed taht the title lacked the indication that it is a review. The manuscript is well written, the authors have done extensive literature research, and the articles used are relevant. The flowcharts presented are important for quick consultation on conducts proposed by the consulted literature.

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Title: Predictors and optimal management of tumor necrosis factor antagonist nonresponse in inflammatory bowel disease: A literature review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03261315

Position: Editorial Board

Academic degree: FACE, PhD

Professional title: Academic Research, Chief Doctor, Doctor, Postdoc, Professor, Senior Researcher

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2023-03-23

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-05-26 06:27

Reviewer performed review: 2023-06-01 05:03

Review time: 5 Days and 22 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
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Nice paper, well organized and clearly written. Good to be published.