

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50052

Title: Risk of inflammatory bowel disease in patients with chronic obstructive pulmonary disease: A nationwide, population-based study

Reviewer's code: 02454185

Position: Editorial Board

Academic degree: BSc, MSc

Professional title: Doctor

Reviewer's country: China

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-07-02 09:10

Reviewer performed review: 2019-07-02 09:39

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input checked="" type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study involving a large database; the findings are interesting and a

dose-response relationship between COPD and IBD was identified, further supporting the relationship was causation. however, I have several comments as below: 1. In the introduction section, it is necessary to highlight why the current work is mandatory and how this can add to the existing literature. based on current description, it seems the study is not novel because there has already been many such studies. 2. Is the database also record time-to-event data? for example, when a patient was diagnosed as having IBD? how did you extract data on the time of IBD diagnosis. this information is necessary for survival analysis. 3. are there any skewed data in the study? if so, I suggest to use median and IQR for these skewed data. especially in the method section, we need to describe how skewed data were expressed before we see the data. also suggest to cite a reference for the description (Ann Transl Med. 2016 Mar;4(5):91. doi: 10.21037/atm.2016.02.11.). 4. In the survival analysis, it is unclear whether COPD was used as baseline characteristics. actually, it is difficult to define the time 0 point from which the follow up begins. furthermore, the COPD severity can alterante between severe and mild, contributing to a time-varying covariate, specify how did you handle this problem? suggest to add a reference (Ann Transl Med. 2018 Apr;6(7):121. doi: 10.21037/atm.2018.02.12.) for the description and discussion if you want to include it as a limitation if further analysis cannot be done. 5. for selecting the control group, the authors used sex matched cohort, why not including more potential confounders and use propensity score matching since there is large sample size. PSA was a powerful tool for causal inference.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

☐ The same title

☐ Duplicate publication



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[] Plagiarism

[Y] No

BPG Search:

[] The same title

[] Duplicate publication

[] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50052

Title: Risk of inflammatory bowel disease in patients with chronic obstructive pulmonary disease: A nationwide, population-based study

Reviewer's code: 03479673

Position: Peer Reviewer

Academic degree: DNB, MBBS

Professional title: Doctor, Surgeon

Reviewer's country: Bahrain

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-07-21 07:34

Reviewer performed review: 2019-07-21 14:27

Review time: 6 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Dear Authors, Congratulations for conducting such a good caliber study which left no



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room for improvement. I would just like to know if you are planning to combine it with prospective data collection and providing more robust level of evidence in future for association between the two diseases? Anyways, I would recommend to accept this study for publication.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50052

Title: Risk of inflammatory bowel disease in patients with chronic obstructive pulmonary disease: A nationwide, population-based study

Reviewer's code: 03474080

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor, Chairman

Reviewer's country: Turkey

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-07-21 13:11

Reviewer performed review: 2019-07-21 21:14

Review time: 8 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

I read the manuscript titled "Risk of Inflammatory Bowel Disease in Patients with



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Chronic Obstructive Pulmonary Disease: A Nationwide, population-based study". Overall it is a globally good presented study with an interesting topic. Abstract was well described and clear. The study is well designed and conducted. Methods are well described and clear. Conclusions are justifiable and prudent enough. I have no additional recommendation.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50052

Title: Risk of inflammatory bowel disease in patients with chronic obstructive pulmonary disease: A nationwide, population-based study

Reviewer's code: 02926997

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's country: Iran

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-07-22 04:32

Reviewer performed review: 2019-07-22 04:51

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This cross sectional study evaluated the risk IBD in patients with COPD compared to



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controls in a cohort of Korean population. The method of writing and the analysis method is very well. I recommend the respect authors to avoid duplication the data of tables and figures in the text (result section). There might to be association between the medications used for treatment of both conditions. Please mention this possibility as the future direction of upcoming researches. I want to emphasis that the association of anti TNF medications and COPD is a matter of debate.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50052

Title: Risk of inflammatory bowel disease in patients with chronic obstructive pulmonary disease: A nationwide, population-based study

Reviewer's code: 03580207

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Chief Physician

Reviewer's country: China

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-07-21 07:47

Reviewer performed review: 2019-07-24 13:31

Review time: 3 Days and 5 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

It is an interesting study about the risk of inflammatory bowel disease in patients with



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chronic obstructive pulmonary disease. The study found that the incidences of IBD were significantly increased in COPD patients in South Korea and the risk of developing IBD also increased as the severity of COPD increased. However, I have several comments as below: The incidence rate of complications from lung injuries are rather high in UC patients. Some drugs for inflammatory bowel disease can also cause lung damage. How does the author think about this problem?

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☒ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50052

Title: Risk of inflammatory bowel disease in patients with chronic obstructive pulmonary disease: A nationwide, population-based study

Reviewer's code: 03017551

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's country: Poland

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-07-22 06:17

Reviewer performed review: 2019-07-25 07:45

Review time: 3 Days and 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Firstly - very large groups, both the patients with COPD and the control group



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(non-COPD). Secondly - an interesting conclusion. Thirdly - interesting results of statistical analysis.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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- ☐ Plagiarism
- ☐ No

BPG Search:

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50052

Title: Risk of inflammatory bowel disease in patients with chronic obstructive pulmonary disease: A nationwide, population-based study

Reviewer's code: 03478404

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's country: Romania

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-07-22 14:51

Reviewer performed review: 2019-07-25 16:52

Review time: 3 Days and 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This manuscript is generally a well-performed retrospective population analysis, on

incidence of IBD in COPD patients. It appears that the COPD group had higher incidences of IBD compared to non-COPD controls and the severity of COPD was associated with an increased risk of IBD. Obviously, the merit of this research is to be a population-based one, including millions of people. However, data from results were detected after just simple statistical analysis. The aim of the study was “to investigate the influence of chronic obstructive pulmonary disease (COPD) on the risk of IBD”. Well, this aspect was not clearly addressed. In what way COPD increased the risk of IBD? There was a discussion about hypoxia. However, nothing is mentioned about medication. What about other covariates? They are of paramount importance. Other than gender and age, none was included. The main weakness of this study is not taking into consideration other covariates. Authors just studied simple association. Which is not right. Minor comments: a. Introduction: 1. IBD is not divided into CD and UC. Actually, IBD-unclassified is included too. Authors did not mention anything about IBD-U. 2. Authors wrote “Thus, in the present study, we aimed to investigate the association between two diseases” – please mention what two diseases, more precisely. b. Materials and Methods 1. What were the criteria for diagnosing UC and CD? References 19 and 20 used as criteria do not refer to them. 2. Why was IBD-U not included? c. Results 1. Baseline characteristics of study population: $91.5 + 8.6 = >100$. Please correct!

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No



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- ☐ Plagiarism
- ☐ No