

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 73058

**Title:** The association between chronic obstructive pulmonary disease and mild cognitive impairment and dementia risk: A systematic review and meta-analysis

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02839880

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Full Professor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-11-10

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-11-24 12:34

**Reviewer performed review:** 2021-12-02 18:32

**Review time:** 8 Days and 5 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 Grade E: Do not publish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 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



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

This is a very interesting systematic review and meta-analysis that aimed to investigate the relationship between COPD and mild cognitive impairment and dementia risk. In general, the manuscript is well written and the research field is promising. The English language is fine; please check throughout the text for spelling errors (i.e. Title page “diector”; page 23 “disase” and so on). The Figures and tables are detailed and helpful for the reader. I would only suggest to include further discussion on possible sources of heterogeneity between included studies.

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**Peer-review model:** Single blind

**Reviewer's code:** 05207387

**Position:** Editorial Board

**Academic degree:** DSc, PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** South Korea

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-11-10

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**Reviewer accepted review:** 2021-12-17 01:24

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**Review time:** 2 Days and 8 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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## SPECIFIC COMMENTS TO AUTHORS

Thanks for recommending me as a reviewer. In this paper, the authors aimed to investigate the relationship between COPD and the risk of mild cognitive impairment (MCI) and dementia. If authors complete minor revisions, the quality of the study will be further improved.

1. The introduction section is well written. If the authors describe in more detail the trends of previous studies on association between chronic obstructive pulmonary disease and mild cognitive impairment and dementia risk in the introduction section, it may help readers to understand.
2. In this paper, statistical analyses were performed using Review Manager software (Version 5.3, Copenhagen: The Nordic Cochrane Centre, The Cochrane Collaboration 2014). But I know that you cannot do funnel plot analysis in Review Manager software. Have you done funnel plot analysis in this study with another program such as R?
3. In this paper, study quality was assessed independently by two separate reviewers using the Newcastle-Ottawa Scale (NOS). However, no textual results of NOS were presented in the results section. Authors should be more specific about the NOS quality assessment results.