

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59340

Title: Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study

Reviewer's code: 03806663

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2020-09-07

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-06 11:41

Reviewer performed review: 2020-11-08 12:40

Review time: 2 Days

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 Grade E: Do not publish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 checked="" 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



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SPECIFIC COMMENTS TO AUTHORS

this topic is interesting, but i have some comments: 1- why you didnot divide geriatric patients in to groups according to their age .ie older old, old, ,, 2- it is applicable to include another non geratric group to your research. 3- the small sample size and single center study is another issue 4- language and grammar need polishing

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59340

Title: Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study

Reviewer's code: 05245500

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Bulgaria

Author's Country/Territory: China

Manuscript submission date: 2020-09-07

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-07 03:35

Reviewer performed review: 2020-11-10 03:24

Review time: 2 Days and 23 Hours

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 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 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



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SPECIFIC COMMENTS TO AUTHORS

I want to ask the authors what are the original findings in this manuscript? What are the new methods proposed in this study? What are the important issues that this study has solved? What is the clinical contribution of this study to geriatrics?

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59340

Title: Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study

Reviewer's code: 03628473

Position: Editorial Board

Academic degree: MBBS, MD

Professional title: Reader (Associate Professor)

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2020-09-07

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-06 17:14

Reviewer performed review: 2020-11-10 10:24

Review time: 3 Days and 17 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 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

Dear author thank you for submitting your manuscript in the journal. The important points regarding your manuscript are as follow- 1. The title of the article "Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study" very aptly reflected the main subject. 2. Abstract was giving the good insights about the main manuscript. 3. As the author found diagnosis with MetS and ApoEε4 carrier status were potential risk factors related to cognitive dysfunction in an elderly population in China. Though the association was already studied, why the author think about this in old age. How this study helpful in treating cognitive disorders in old age if early preventive measures had not be taken?

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59340

Title: Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study

Reviewer's code: 00070509

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2020-09-07

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-09 00:05

Reviewer performed review: 2020-11-16 04:06

Review time: 7 Days and 4 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
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 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

I think this manuscript is well written case control study dealing with metabolic syndrome, apo E genotype, and cognitive dysfunction in elderly group in a single center. However, there is a problem. The authors performed repeated data collection after one year. I think this-like repeated ANOVA measurement was for increasing validity, not for cohort evaluation. Because one year follow-up for cognitive deterioration is too short to evaluate. So, your study was not enough to designate cohort study. I suggest you should discard the expression of cohort in the Conclusion (page 20). See "In conclusion, the results of our study showed ~~~ in our cohort of ~~Chinese individuals."

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59340

Title: Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study

Reviewer's code: 03769068

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2020-09-07

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-11 11:47

Reviewer performed review: 2020-11-17 17:17

Review time: 6 Days and 5 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
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
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 relevant study. I have some considerations: 1) Polymorphism research was done by PCR-RFLP. Was there confirmation by sequencing (random selection of some samples)? 2) It is not clear to me whether the Hardy-Weinberg balance was assessed. If not, I think it is necessary.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59340

Title: Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study

Reviewer's code: 03769068

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2020-09-07

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2020-12-14 00:37

Reviewer performed review: 2020-12-14 12:17

Review time: 11 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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



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I believe that the authors answered the reviewers' questions with propriety.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59340

Title: Metabolic syndrome, ApoE genotype, and cognitive dysfunction in an elderly population: a single-center, case-control study

Reviewer's code: 03806663

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2020-09-07

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2020-12-15 10:42

Reviewer performed review: 2020-12-15 18:09

Review time: 7 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
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
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

after revision, the manuscript is accepted