



### 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

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	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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after revision, the manuscript is accepted