

## PEER-REVIEW REPORT

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

**Manuscript NO:** 77131

**Title:** Review of the pharmacological effects of astragaloside IV and its autophagic mechanism in association with inflammation

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

**Peer-review model:** Single blind

**Reviewer's code:** 06250380

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2022-04-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-04-18 00:40

**Reviewer performed review:** 2022-04-18 01:10

**Review time:** 1 Hour

<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 Grade E: Do not publish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 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



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<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**

The manuscript is comprehensive, and the role of AS-IV in the diseases of a certain class of system should be schematically shown the mechanism separately.

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**Reviewer's code:** 05086539

**Position:** Peer Reviewer

**Academic degree:** MD, MSc, PhD

**Professional title:** Research Scientist, Senior Lecturer

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

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

**Manuscript submission date:** 2022-04-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-04-28 11:36

**Reviewer performed review:** 2022-04-28 13:24

**Review time:** 1 Hour

<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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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<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**

1. Need Abbreviation list 2. Please descript new (or suggested) pathway you might find from this literature review. 3. The explanation in discussion was unclear & conclusion was not related with discussion

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**Peer-review model:** Single blind

**Reviewer's code:** 04627955

**Position:** Peer Reviewer

**Academic degree:** MD, PharmD, PhD

**Professional title:** Academic Research, Lecturer

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

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

**Manuscript submission date:** 2022-04-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-04-26 07:09

**Reviewer performed review:** 2022-05-09 10:53

**Review time:** 13 Days and 3 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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

<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

The article presented by Ying Yang and collaborates, entitled "Review of the pharmacological effects of astragaloside IV and its autophagic mechanism in association with inflammation", is a review that aimed to summarize the structure, solubility, pharmacokinetics, toxicity, pharmacological effects, and autophagy mechanism of *Astragalus membranaceus* Bunge (AS-IV). The revision contains relevant and updated information but needs to improve the forms. It is perceived that it has been written by different authors because there is no consistency in the way of addressing proteins or genes. Little care of the formal aspect. Although it includes a table and a figure. The table is very large making it impractical and with misspellings. The same goes for the figure. Major revision: 1. Authors should summarize findings in separate tables by tissue for ease of reading. Table 1 is too big, it is split on different pages and it mixes fabrics: a. Protective effect of AS-IV on cardiovascular disease b. Protective effect of AS-IV on the brain and nervous system c. Protective effect of AS-IV on lung disease d. Protective effect of AS-IV on diabetes e. Protective effect of AS-IV on organ injury f. Protective effect of AS-IV on kidney disease g. Protective effect of AS-IV on gynaecopathy h. The autophagy promotion or inhibition effects of AS-IV 2. Although it is not a systematic review, it is appropriate to put a section on material and methods explaining the inclusion and exclusion criteria, databases used in the search and keywords used, among other parameters. Minor revision 1. The authors write AST-IV or Astragaloside IV in different ways throughout the work. The same with LC3 II or B, P62 or H9C2. Lack of coherence, please unify terms throughout the work 2. EMT is not described