



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 44501

**Title:** Effect of Sheng-jiang powder on multiple-organ inflammatory injury in acute pancreatitis in rats fed a high-fat diet

**Reviewer’s code:** 02566971

**Reviewer’s country:** China

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2018-11-14

**Date reviewed:** 2018-11-20

**Review time:** 1 Hour, 6 Days

| 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 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 checked="" 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 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**

In this manuscript, Miao et al. report that Sheng-jiang powder (SJP) may prevent the deterioration of acute pancreatitis (AP) in obese rats. Overall this is an interesting manuscript. However, there are several defects in this manuscript, which need to be



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addressed. 1. "SJP is able to prevent AP ... .. due to alleviated oxidative stress in organs." The data is insufficient to support this conclusion proposed by the authors. 2. The manuscript needs to be carefully edited in English, as there are some grammar errors and bad sentences. 3. The authors explain the reason why detect MDA et al. oxidative stress associated factors and analyze the results only in the Discussion. Those should be extended and included in the main body of the manuscript as they will make the manuscript a more complete story.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

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##### ***BPG Search:***

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- Duplicate publication
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**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 44501

**Title:** Effect of Sheng-jiang powder on multiple-organ inflammatory injury in acute pancreatitis in rats fed a high-fat diet

**Reviewer's code:** 02510721

**Reviewer's country:** Italy

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2018-12-12

**Date reviewed:** 2018-12-17

**Review time:** 5 Hours, 5 Days

| 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 polishing | (High priority)                                    | <input checked="" type="checkbox"/> Anonymous             |
| <input checked="" type="checkbox"/> Grade C: Good |   | <input type="checkbox"/> Accept                    | <input type="checkbox"/> Onymous                          |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade C: A great deal of language polishing  | (General priority)                                 | Peer-reviewer's expertise on the topic of the manuscript: |
| <input type="checkbox"/> Grade E: Do not publish  | <input type="checkbox"/> Grade D: Rejection                           | <input type="checkbox"/> Minor revision            | <input checked="" type="checkbox"/> Advanced              |
|   |   | <input checked="" type="checkbox"/> Major revision | <input type="checkbox"/> General                          |
|   |   | <input type="checkbox"/> Rejection                 | <input type="checkbox"/> No expertise                     |
|   |   |  | Conflicts-of-Interest:                                    |
|   |   |  | <input type="checkbox"/> Yes                              |
|   |   |  | <input checked="" type="checkbox"/> No                    |

**SPECIFIC COMMENTS TO AUTHORS**

To Authors The experimental model of the study is well developed in all its sections: materials and methods, with SJP preparation, animals, induction of obesity and AP, etc. In general there are some observations. The hypothetical clinical scenario that this study



could assess can be difficult to demonstrate. The experimental setting is very different from usual clinical data and consequently it's very difficult to draw therapeutic conclusions even in hypothesis. The sentence "the obesity can worsen the evolution of AP" is true but is generic and imprecise, because there are various clinical evolutions of AP in obese patients and these can not be overlappable about the severity. Moreover the causes of AP are numerous and based on different pathological mechanisms. Overall the severe forms of AP with SIRS and MOF can develop in few cases. The Sheng-jiang powder should ameliorate the inflammatoty response in obese subjects (the complete demonstration needs), which can suffer a serious evolution of AP, but I do not see the action of SJP on prevention of AP. In conclusion the study adds a valuable contribution to understand the biological effects of SJP, that now can be evaluated as generic; in this moment can't be hypothesized the specific therapeutic use of SJP. I suggest to insert in the Introduction and in the Discussion more clear definition and presentation of the aim and content related to actual clinical perspective in the therapeutic applications of SJP. In particular it's need to eliminate in the Title the words "SJP prevents acute pancreatitis from causing multiple-organ....."

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 44501

**Title:** Effect of Sheng-jiang powder on multiple-organ inflammatory injury in acute pancreatitis in rats fed a high-fat diet

**Reviewer’s code:** 01714826

**Reviewer’s country:** India

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2018-12-12

**Date reviewed:** 2018-12-17

**Review time:** 6 Hours, 5 Days

| 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 polishing | (High priority)                                    | <input checked="" type="checkbox"/> Anonymous             |
| <input checked="" type="checkbox"/> Grade C: Good |   | <input type="checkbox"/> Accept                    | <input type="checkbox"/> Onymous                          |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade C: A great deal of language polishing  | (General priority)                                 | Peer-reviewer’s expertise on the topic of the manuscript: |
| <input type="checkbox"/> Grade E: Do not publish  | <input type="checkbox"/> Grade D: Rejection                           | <input checked="" type="checkbox"/> Minor revision | <input type="checkbox"/> Advanced                         |
|   |   | <input type="checkbox"/> Major revision            | <input checked="" type="checkbox"/> General               |
|   |   | <input type="checkbox"/> Rejection                 | <input type="checkbox"/> No expertise                     |
|   |   |  | Conflicts-of-Interest:                                    |
|   |   |  | <input type="checkbox"/> Yes                              |
|   |   |  | <input checked="" type="checkbox"/> No                    |

**SPECIFIC COMMENTS TO AUTHORS**

This is a very interest study looking at the goal of Sheng-jiang powder (SJP) in reducing the severity of acute pancreatitis in obese rats. In order to assess the mechanism of action, MDA and SOD were measured and compared. In addition, histological study of organs



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was done to assess the severity of pancreatitis. The study clearly showed a decrease in the severity of AP. However the pathogenesis is far from clear. This seems to be the result of understanding of the exact composition of the powder. Additionally, the mechanism of the observed decreased in SOD and MOD is not well studied. For those who are unfamiliar with this powder (its chemical composition) information such as active ingredients is essential. In that case the blood levels and the pharmacodynamics can also be studied making it more scientific. Further, the rate of absorption of the active ingredients and other details are needed.

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- Duplicate publication
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- No



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 44501

**Title:** Effect of Sheng-jiang powder on multiple-organ inflammatory injury in acute pancreatitis in rats fed a high-fat diet

**Reviewer's code:** 02954661

**Reviewer's country:** Romania

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2018-12-12

**Date reviewed:** 2018-12-22

**Review time:** 18 Hours, 10 Days

| 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 polishing           | (High priority)                                    | <input checked="" type="checkbox"/> Anonymous             |
| <input type="checkbox"/> Grade C: Good                 |  | <input type="checkbox"/> Accept                    | <input type="checkbox"/> Onymous                          |
| <input type="checkbox"/> Grade D: Fair                 | <input type="checkbox"/> Grade C: A great deal of language polishing | (General priority)                                 | Peer-reviewer's expertise on the topic of the manuscript: |
| <input type="checkbox"/> Grade E: Do not publish       | <input type="checkbox"/> Grade D: Rejection                          | <input checked="" type="checkbox"/> Minor revision | <input checked="" type="checkbox"/> Advanced              |
|  |  | <input type="checkbox"/> Major revision            | <input type="checkbox"/> General                          |
|  |  | <input type="checkbox"/> Rejection                 | <input type="checkbox"/> No expertise                     |
|  |  |  | Conflicts-of-Interest:                                    |
|  |  |  | <input type="checkbox"/> Yes                              |
|  |  |  | <input checked="" type="checkbox"/> No                    |

**SPECIFIC COMMENTS TO AUTHORS**

Dear Editor, Thank you for the opportunity to review the interesting manuscript entitled 'Sheng-jiang powder prevents acute pancreatitis from causing multiple-organ inflammatory injury-related deterioration in obese rats'. The authors evaluated the



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effects of sheng-jiang powder in preventing multiple organ failure in obese rats with acute pancreatitis. The 24 rats were randomly assigned in three groups: control, obese, and sheng-jiang powder groups. The paper is interesting and has merits to be accepted after major revision. Major concerns: The sheng-jiang powder is not known to western readers. Please introduce in Discussion a table with high-quality studies proving its effects in human diseases. Please add in Abstract P values. The title and the conclusion in abstract is too strong to come from only 8 rats in each group. In abstract: the conclusion does not come from results. Why there are three groups? For me is not clear if we compare the powder effects in obese rats, or the effects of obesity in AP. Please be more clear in abstract and introduction. Please detail in Methods the usefulness of Lee's index? What is the reason to calculate this index? The authors used too strong words for effects of traditional Chinese medicine, for example in Discussion, citations 42 - 44, 45, 46. However the quality of the studies is very low. Please discuss as a limitation of the study the Cochrane systematic reviews about the Chinese medicine. Although well-respected, the evidence is quite inconclusive. Minor concerns: Too many abbreviations and is difficult to follow. Not all of them explained at their first appearance in the text. MDA is not clear for me what means. M for control group, ML for obese group in MS for SJP group are not very intuitive. I suggest to modify them (CG - control group, OG - obese group, PG - powder group for example).

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**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 44501

**Title:** Effect of Sheng-jiang powder on multiple-organ inflammatory injury in acute pancreatitis in rats fed a high-fat diet

**Reviewer's code:** 02445032

**Reviewer's country:** Spain

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2018-12-12

**Date reviewed:** 2018-12-24

**Review time:** 9 Hours, 12 Days

| 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 type="checkbox"/> Grade B: Very good       | <input 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**

Please, see attached file.

**INITIAL REVIEW OF THE MANUSCRIPT**



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