

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology**ESPS manuscript NO:** 11825**Title:** Oxidative stress and inflammatory signaling in cerulein pancreatitis**Reviewer code:** 02444989**Science editor:** Yuan Qi**Date sent for review:** 2014-06-06 22:01**Date reviewed:** 2014-06-17 23:34

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|--|-------------------------------------|--|
| <input type="checkbox"/> Grade A: Excellent | <input checked="" type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> Existing | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> No records | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | BPG Search: | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | <input type="checkbox"/> Existing | <input type="checkbox"/> Major revision |
| | | <input type="checkbox"/> No records | |

COMMENTS TO AUTHORS

The authors studied here the relationships between oxidative stress and acute cerulean-induced pancreatitis. The authors revised the role of ROS on the induction of NF- κ B-dependent innate immunity, and the subsequent pro-inflammatory cytokines production. Because oxidative stress is mainly related to pancreatitis, the effects of a series of antioxidants are also revised. The paper lacks an important question regarding the use of antioxidants. It is now known that chronic administration of antioxidants may have deleterious effects in the organism, including pro-oxidant effects, genotoxicity, and tumorigenesis. So, it would be of interest to include the doses of the different antioxidants used in acute pancreatitis. Moreover, although these effects are mainly related to high doses of antioxidant vitamins, the notion that antioxidant therapy may have side effects should be indicated.

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 11825

Title: Oxidative stress and inflammatory signaling in cerulein pancreatitis

Reviewer code: 02937636

Science editor: Yuan Qi

Date sent for review: 2014-06-06 22:01

Date reviewed: 2014-06-18 20:41

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|---|-------------------------------------|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input checked="" type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> Existing | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> No records | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input type="checkbox"/> Existing | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | <input type="checkbox"/> No records | <input type="checkbox"/> Major revision |

COMMENTS TO AUTHORS

This review highlights the role of oxidative stress in inflammatory signaling pathways in the context of the cerulean-induced acute pancreatitis model. Therefore, reducing the levels of reactive oxygen species (ROS) by antioxidant therapy may be clinically valuable for the treatment and/or prevention of acute pancreatitis. This manuscript is valuable and well written.

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 11825

Title: Oxidative stress and inflammatory signaling in cerulein pancreatitis

Reviewer code: 02444978

Science editor: Yuan Qi

Date sent for review: 2014-06-06 22:01

Date reviewed: 2014-06-18 22:54

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|--|-------------------------------------|--|
| <input type="checkbox"/> Grade A: Excellent | <input checked="" type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> Existing | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> No records | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | BPG Search: | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | <input type="checkbox"/> Existing | <input type="checkbox"/> Major revision |
| | | <input type="checkbox"/> No records | |

COMMENTS TO AUTHORS

Oxidative stress and inflammatory signaling in cerulein pancreatitis WJG 11825 This review considers the role of oxidative stress, cytokine expression, inflammatory signaling, and natural antioxidant supplementation in the pathogenesis of pancreatitis, with particular reference to an experimental model of cerulein-induced acute pancreatitis. The exposure and the level of deepening appear appropriate for this review. The manuscript is well structured and completed enough, and the references appear to be sufficiently completed and up to date. I have just a suggestion for improving the interest of the review. Because positive clinical data on patients are suitably reported (p. 7), it would be useful to indicate the dosage levels of antioxidant therapy in the acute phase and as maintenance therapy, discussing briefly how to compare this data with other studies where there was not found an effect: this would give greater importance to the information. There are type errors: p. 3 line 20; p. 7 line 7.



BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

<http://www.wjgnet.com>

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 11825

Title: Oxidative stress and inflammatory signaling in cerulein pancreatitis

Reviewer code: 00031627

Science editor: Yuan Qi

Date sent for review: 2014-06-06 22:01

Date reviewed: 2014-06-19 21:21

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|---|-------------------------------------|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input checked="" type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> Existing | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> No records | <input type="checkbox"/> Rejection |
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| <input type="checkbox"/> Grade E: Poor | | <input type="checkbox"/> No records | <input type="checkbox"/> Major revision |

COMMENTS TO AUTHORS

The review is well done and interestin



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8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

<http://www.wjgnet.com>

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 11825

Title: Oxidative stress and inflammatory signaling in cerulein pancreatitis

Reviewer code: 02941372

Science editor: Yuan Qi

Date sent for review: 2014-06-06 22:01

Date reviewed: 2014-06-23 20:27

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|--|-------------------------------------|--|
| <input type="checkbox"/> Grade A: Excellent | <input checked="" type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> Existing | <input type="checkbox"/> High priority for publication |
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COMMENTS TO AUTHORS

The topic is fairly interesting but I am not sure that an experimental model of cerulein-induced acute pancreatitis is relevant for a broader public. Do the authors have any opinion regarding the following article in your mini-review: Gastroenterology. 2014 Apr;146(4):1097-107. doi: 10.1053/j.gastro.2013.12.015. Epub 2013 Dec 17. Intracellular Hmgb1 inhibits inflammatory nucleosome release and limits acute pancreatitis in mice. Kang R1 et al.