



### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Pathophysiology

**Manuscript NO:** 66391

**Title:** Chemokine receptor 8 expression may be linked to disease severity and elevated interleukin 6 secretion in acute pancreatitis

**Reviewer's code:** 05450119

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Doctor, Postdoc

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

**Author's Country/Territory:** South Africa

**Manuscript submission date:** 2021-04-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-17 01:38

**Reviewer performed review:** 2021-04-23 09:08

**Review time:** 6 Days and 7 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 Grade E: Do not publish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 checked="" 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**

In this study, the authors aimed to identify the role of the CCR8 and its possible association to IL-6 as early markers to assist with AP stratification. The study showed that CCR8 was shown to increase steadily with disease severity from MAP (1.33), MSAP (38.28) to SAP (1172.45) and suggests a possible linkage between increasing CCR8 expression and disease severity. However, the sample size of this study is very small, which makes a lot of statistical analysis impossible. Since acute pancreatitis is a common disease, the sample size of each group needs to be expanded. Although the concentration of IL-6 and expression of CCR8 were analyzed at Day 1,3,5,7 post epigastric pain, their expression in the later stage of the disease might be mainly affected by treatment.