



## PEER-REVIEW REPORT

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

**Manuscript NO:** 65664

**Title:** Impact of intrarectal chromofungin treatment on dendritic cells-related markers in different immune compartments in colonic inflammatory conditions

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 01553680

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2021-03-12

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-12 22:49

**Reviewer performed review:** 2021-03-13 10:24

**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 Grade E: Do not publish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 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



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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**

In this study, the authors provided evidence that administration of Chromofungin (CHR: chromogranin-A 47-66) negatively regulates the development of DSS-induced colitis. In addition, expression of CD11c and CD80/86 expression is negatively correlated to that of CHR in patients with UC. Most of data shown in this data are convincing. Please address the following points. 1) Please examine the expression of CD11c, CD80, and CD86 at the protein levels, i.e. FACS or immunohistochemistry, in DSS colitis . 2) Please examine the expression of TNF-alpha in DSS colitis . 3) Please discuss how CHR negatively regulates NF-kappaB activation.