



ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 13071

Title: Xiaotan Sanjie Decoction Inhibits Interleukin-8-induced Adhesion, Migration and Invasion in Gastric Cancer SGC-7901 Cells

Reviewer code: 00051382

Science editor: Ya-Juan Ma

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| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|--|-------------------------------------|--|
| <input type="checkbox"/> Grade A: Excellent | <input 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 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

To investigate the interaction between Xiaotan Sanjie (XTSJ) decoction and IL-8 on adhesion, migration and invasion of gastric cancer cells, the authors used gastric cancer SGC-7901 cells exposed to the serum containing XTSJ decoction and/or IL-8. They found that cell adhesion, migration, invasion abilities and CD44 protein expression were promoted by IL-8, in contrast were inhibited by XTSJ decoction. XTSJ decoction had insignificant influence on CD44 mRNA expression, which was promoted by IL-8. These results suggested that XTSJ decoction could inhibit adhesion, migration and invasion of gastric cancer cells.

- Several language errors can be found in the manuscript. Such as, Abstract: "polumerase chain reaction" should be "polymerase chain reaction".
- Only one gastric cancer cell line was used.
- Table 2 and 3: the statistic results should be indicated.
- Figure 4: how many times have you done?
- Figure 5: It is hard to see the effects of XTSJ decoction and IL-8 on the expression of CD44 in mRNA level.