

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16606

Title: Apoptosis of human pancreatic carcinoma PANC-1 cells induced by Yin Chen Hao Decoction

Reviewer's code: 01557283

Reviewer's country: Japan

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| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | 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 checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <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"/> Duplicate publication | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input type="checkbox"/> Plagiarism | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | [Y] No | <input type="checkbox"/> Major revision |
| | | BPG Search: | |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | [Y] No | |

COMMENTS TO AUTHORS

Reviewer's comments As the authors reported, Yin Chen Hao Decoction (YCHD), a classic Chinese medical, seems an interesting potent cancer chemo-preventive agent. The present study expressed experimental data using a single pancreatic cancer cell line (PACN-1) derived from pancreatic ductal adenocarcinoma. The results presented clearly supported their conclusion that the YCHD prevented cell growth of the PANC-1 induced by the down-regulation of the Bcl-2 gene and the up-regulation of the bax gene. However, the data presented might not seem enough to conclude the YCHD is an attractive chemo-preventive agent. Major comments 1. Result: Apoptosis index, Bcl-2 expression, Bax positivity rate, and the density of bcl-2 mRNA and bax mRNA. These data may need time dependent control values, as expressed bellow: The authors may have to fulfill the blanks as shown below. Table 2 Apoptotic index (AI) of pancreatic carcinoma PANC-1 cells treated with TCHD

| Time | Zero | 24 h | 48 h | 72 h | 96 h | AI (%) |
|------|-------|--------|---------|--------|------|--------|
| t | -6.12 | -13.92 | -183.17 | -53.90 | P | P<0.05 |
| | | | | | P | P<0.05 |
| | | | | | P | P<0.05 |
| | | | | | P | P<0.05 |
| | | | | | P | P<0.05 |

vs control group; AI: Apoptotic index Table 3 Positivity rate (PR) of Bcl-2 in pancreatic carcinoma PANC-1 cells treated

with TCHD Time Zero 24 h 48 h 72 h 96 h PR(%) 36.62±0.69 21.71±0.07 10.60±0.49 7.21±0.45
 4.54±0.36 Control t 31.29 44.51 73.62 59.24 P P<0.01 P<0.01 P<0.01 P<0.01 Table 4
 Positivity rate (PR) of Bax in pancreatic carcinoma PANC-1 cells treated with TCHD Time Zero 24
 h 48 h 72 h 96 h PR(%) 10.29±0.51 20.14±0.79 34.6±0.86 45.24±0.48 58.76±1.47 Control t -56.89
 -41.68 -69.95 -51.89 P P<0.001 P<0.001 P<0.001 P<0.001 2. The authors' results may suggest the
 efficacy of the YCHD. Data adding another pancreatic ductal carcinoma cell line may support more
 their conclusion. The data based on one cell line may not seem to support their conclusion. Minor
 comments 1. Page 2. Spell error: diferent 2. Page 2. Spell error: choiestasis 3. Page 2. Suspicion of
 spell error: cholaneresis?