

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 24482

**Title:** Chitooligosaccharides promotes radiosensitivity of colon cancer line SW480

**Reviewer's code:** 02490800

**Reviewer's country:** Greece

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2016-01-25 11:06

**Date reviewed:** 2016-02-16 16:04

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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

This is a very interesting study about the chitooligosaccharides promotes radiosensitivity of colon cancer line. The study is well designed and the manuscript is well written. Only some minor revisions about the English required. And please check the tables and figures.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 24482

**Title:** Chitooligosaccharides promotes radiosensitivity of colon cancer line SW480

**Reviewer's code:** 01211973

**Reviewer's country:** Japan

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2016-01-25 11:06

**Date reviewed:** 2016-02-18 11:18

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 checked="" 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 type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

This study is very well designed, and the topic is very interesting. In this study, the authors investigated the anti-proliferation and radiosensitization effect of COS on human colon cancer cell line SW480. The authors found that COS inhibited the proliferation of SW480 cells, and the inhibition rate positively correlated with the concentration of COS. Cell viability decreased as radiation dose increased in the RAY and RAY+COS groups. Cell viabilities in the RAY+COS group were lower than in the RAY group at all doses of X-ray exposure, and the sensitization ratio of COS on SW480 cells was 1.39. Compared with the non-treatment group, there was a significant increase in apoptosis rate in both the RAY and RAY+COS groups; while apoptosis rate in the RAY+COS group was significantly higher than in the RAY group. The authors concluded that COS can inhibit the proliferation of SW480 cells and enhance the radiosensitization of SW480 cells, inducing apoptosis and G2/M phase arrest. Over all, the manuscript is very well written. However, some minor revisions needed. 1 Some minor English revisions is required. 2 The references should be updated. 3 Some more figures needed. 4 The discussion should be re-arranged.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 24482

**Title:** Chitooligosaccharides promotes radiosensitivity of colon cancer line SW480

**Reviewer's code:** 02498987

**Reviewer's country:** Germany

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2016-01-25 11:06

**Date reviewed:** 2016-02-18 11:19

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ Y ] Grade A: Excellent	[ Y ] Grade A: Priority publishing	Google Search:	[ Y ] Accept
[ ] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ Y ] No	[ ] Minor revision
[ ] Grade E: Poor		BPG Search:	[ ] Major revision
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[ Y ] No	

## COMMENTS TO AUTHORS

N/A