PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 52797

Title: Significance of 125I radioactive seed implantation on growth differentiation factor and programmed death receptor-1 during treatment of oral cancer

Reviewer's code: 03086186

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor, Attending Doctor

Reviewer's country: Taiwan

Author's country: China

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2019-11-23 07:52

Reviewer performed review: 2019-11-27 01:21

Review time: 3 Days and 17 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[Y] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] Accept (General priority)	[Y] Anonymous
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[Y] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced
			[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

Authors used radioactive iodine seed implants to compete with surgery and study its effects on the expression of growth differentiation factor (GDF11) and programmed death receptor-1 (PD-1) in the serum during treatment of oral cancer (OC). They showed the recurrence rate of the research group was better than those of the controls but no significant difference in the survival. There was difference in GDF11 and PD-1 expression at 4 weeks after treatment. In ROC curve analysis, GDF11 and PD-1 had a good predictive value for efficacy and recurrence. Overall, this is an interesting study. There are a few questions which authors need to address. 1. Tumor stage has a significant effect on survival, recurrence and other parameters. Please compare these parameters at the same stage between these two groups. 2. Because there was no difference in survival, I care more about whether patients receiving the implants enjoyed a better life quality than those receiving surgery? 3. Please elaborate on the cause of mortality and complications in the treatment period for these two groups of patients.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No

BPG Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] Accept (General priority)	[Y] Anonymous
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[Y] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced
			[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors of the submitted manuscript intend to investigate the use of 125I radioactive seed implantation on growth differentiation factor and programmed death receptor-1 during treatment of oal cancer with potential clinical usage. The following points need further consideration. 1. To my knowledge, the use of the use of 125I radioactive seed implantation on oral cancer treatement would not be the mainstream of the choice of treament modalities. Please discuss the rationale of the selection of this modalitiy in oral cancer treatment more deeply. Only one related citation has been found in the introduction section, it, to my opinion, needs more deeply literature review since it is the human study. 2. The complications during and after treatments need to be presented clearly as one of the treatment outcomes.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No

BPG Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No