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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47865

Title: Leveraging Machine Learning Techniques for Predicting Pancreatic Neuroendocrine Tumors Grade using Biochemical and Tumor Markers

Reviewer's code: 01328912

Reviewer's country: Germany

Science editor: Jin-Lei Wang

Reviewer accepted review: 2019-04-08 02:25

Reviewer performed review: 2019-04-23 00:33

Review time: 14 Days and 22 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[ ] Grade E: Do not publish		[ ] Rejection	[Y] Advanced
			[ ] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study about an effective way to classify the grade of PNETs non-invasively. The grade of PNETs may greatly affect the treatment programs. The grade of PNETs can only be obtained from pathological reports after undergoing

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puncture biopsy or surgery. Biopsy is relatively limited due to additional invasion and needle tract implantation metastases, and the positive results are largely dependent on the physical condition of patients and the experience of operators, and surgery is another effective way to obtain a specimen, but the operation indication for PNETs has been very limited. It would be very meaningful to develop a method that could predict the grade of PNETs non-invasively. In this study, the authors used four machine learning classification algorithms to determine the relationship between conventional serological examination indexes and the pathological tumor grade of PNETs. Overall, this study is well designed and the results are very interesting. The methods are clear, and the results are well discussed. The figures are very informative. In my opinion, after a minor language revision, this manuscript can be accepted for publication.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47865

Title: Leveraging Machine Learning Techniques for Predicting Pancreatic Neuroendocrine Tumors Grade using Biochemical and Tumor Markers

Reviewer's code: 02954517

Reviewer's country: Japan

Science editor: Jin-Lei Wang

Reviewer accepted review: 2019-04-08 06:14

Reviewer performed review: 2019-04-23 00:41

Review time: 14 Days and 18 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[Y] Grade A: Excellent	[ ] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[Y] Accept (General priority)	[Y] Anonymous
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] 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	[Y] Advanced
			[ ] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

Excellent study. The manuscript is very well written. I have no specific comments. I suggest to publish this manuscipt as it is.

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47865

Title: Leveraging Machine Learning Techniques for Predicting Pancreatic Neuroendocrine Tumors Grade using Biochemical and Tumor Markers

Reviewer's code: 01220350

Reviewer's country: Japan

Science editor: Jin-Lei Wang

Reviewer accepted review: 2019-04-08 02:25

Reviewer performed review: 2019-04-23 00:49

Review time: 14 Days and 22 Hours

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

SPECIFIC COMMENTS TO AUTHORS

Interesting study. In this study, the authors provided a machine learning approach to predict the tumor grade of pancreatic neuroendocrine tumors. The manuscript is very well written. The tables and figures are very good. Some minor language polishing

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should be corrected.

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[Y] No