PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 79214

Title: Quantitative parameters in novel spectral computed tomography: Assessment of Ki-67 expression in patients with gastric adenocarcinoma

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00039368

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Academic Research, Associate Professor

Reviewer's Country/Territory: Estonia

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-12 08:33

Reviewer performed review: 2022-09-13 10:43

Review time: 1 Day and 2 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No

Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is very well designed, performed and written clinical retrospective study for investigation of the diagnostic ability of dual-layer spectral detector CT in preoperative distinguishing of the expression of Ki-67 index in patients with gastric adenocarcinoma. The authors investigated 108 gastric adenocarcinoma patients. For evaluation of the level of Ki-67 protein expression, associated with cell proliferation, the authors used additionally to immunohistochemical method the novel dual-layer spectral detector CT (DLSDCT). The authors found that quantitative spectral parameters allowed to distinguished low and high Ki-67 expression of gastric adenocarcinoma. The study is set up correctly. Introduction gives a very good overview of the study background and the authors raised clearly the aim of the study. The aim of the study is fulfilled. The material studied is large enough and allows to drawn the conclusions. The 4 Figure and 4 Tables give a good overview about the results. However, I will suggest adding in description of immunohistochemical detection of Ki-67 the origin and dilution of primary antibodies used.

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Thank you for your submission. Your manuscript was readable and interesting. The manuscript is very well organized and follows a clear flow.