

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 67143

Title: Diagnosis of focal liver lesions with deep learning-based multi-channel analysis of hepatocyte-specific contrast-enhanced magnetic resonance imaging

Reviewer's code: 03003255

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor, Surgeon, Surgical Oncologist

Reviewer's Country/Territory: Germany

Author's Country/Territory: Hungary

Manuscript submission date: 2021-04-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-05-01 08:23

Reviewer performed review: 2021-05-04 09:52

Review time: 3 Days and 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The paper deals with a highly interesting topic - the use of AI driven automatic analyses of imaging for liver lesions. The authors retrospectively use MR data and train a DL system to test different types of algorithms. The paper is interesting for the readership of the WJG.