



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 75183

Title: Three-dimensional visualization and virtual reality simulation role in hepatic surgery: further research warranted

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00731805

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: United States

Manuscript submission date: 2022-01-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-19 10:24

Reviewer performed review: 2022-01-19 10:29

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" 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



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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

Thank you for the opportunity of review this paper. The topic is very interesting and the paper is well written and clear. Personally i think that all this new tecnique will be the future in our work and it can contribute to improve the surgical results not only in general surgery



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Reviewer’s code: 05758354

Position: Peer Reviewer

Academic degree: PhD

Professional title: Academic Research, Doctor

Reviewer’s Country/Territory: China

Author’s Country/Territory: United States

Manuscript submission date: 2022-01-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-24 02:52

Reviewer performed review: 2022-01-26 14:33

Review time: 2 Days and 11 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

The manuscript type is letter article to discuss 3D visualization and virtual simulation in the context of the published paper "Role of Artificial Intelligence in Hepatobiliary and Pancreatic Surgery". and virtual reality, 3D imaging and related model fabricating by 3D printing are involved. Overall, it's a good paper. However, several issues need to be corrected before acceptance. 1. Abstract: This description "Artificial intelligence (AI) is based on machine learning (ML) which works on available data to recognize patterns and make decisions" is inaccurate, as ML is a type of AI. Similar descriptions in the second paragraph of the text need to be corrected. 2. What does the abbreviated PDF mean? 3. It is recommended to describe the process to fabricate 3D models involving image scanning, 3D modeling and 3D printing. 4. May be 3DV and VR technology will synergistically contribute to to evaluate the reliability and validity of HPB surgery. Are there any examples of the simultaneous application of these two techniques? Please write or discuss. 5. Please correct the grammatical errors in this sentence "Zhang J conducted his research first time in the Tibet population for hepatic echinococcosis and his results revealed the 3DV technology contributing towards improved diagnosis and treatment of patients by accurately formulating a preoperative plan with a high compliance rate and reducing surgical time (210 vs. 135; P = <0.05)"



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Reviewer's code: 06176936

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Deputy Director, Professor, Surgeon

Reviewer's Country/Territory: Russia

Author's Country/Territory: United States

Manuscript submission date: 2022-01-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-30 13:43

Reviewer performed review: 2022-01-30 14:09

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" 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
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SPECIFIC COMMENTS TO AUTHORS

No comments.