



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 67146

Title: Role of three-dimensional printing and artificial intelligence in the management of hepatocellular carcinoma: Challenges and opportunities

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05824555

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: Greece

Manuscript submission date: 2021-04-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-21 13:13

Reviewer performed review: 2021-04-22 12:55

Review time: 23 Hours

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 Grade E: Do not publish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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

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
-------------------------------------	---

SPECIFIC COMMENTS TO AUTHORS

This paper introduces an extensive survey of AI- and 3D Printing-based applications in context of Hepatocellular Carcinoma and Computer-aided solutions, an important field of study that embraces different Computer-Based Solutions such as Artificial Intelligent tools, 3D printing systems, and other innovative technologies to fight against liver cancer. The authors did a lot of work to gather, organize and discuss the state-of-the-art papers as well as recent works covering AI, ML and other trends in computer-generated image applications. Despite the good analyzes and review process, I believe that the Discussion section could be conducted under the analysis of some main/pivotal works, as mentioned in the previous sections. By doing this, readers could have an interesting comparison involving the pros and cons of the current works / methodologies / systems. However, given that the article does a good job of discussing the existing works, I would still recommend accepting this manuscript. Minor correction: "Cochrane, and Scopus databases was conducted using the following algorithms" => "Cochrane, and Scopus databases was conducted using the following queries"