PEER-REVIEW REPORT

Name of journal: *World Journal of Methodology*

Manuscript NO: 86258

Title: Mapping research trends of transarterial chemoembolization for hepatocellular carcinoma from 2012 to 2021: a bibliometric analysis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05429043

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2023-06-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-06-24 04:16

Reviewer performed review: 2023-06-24 05:03

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The article covers the bibliometric analysis of TACE. But the clarity of the need for the analysis is not up to the standard level of the present journal.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03724996

Position: Peer Reviewer

Academic degree: MD, MSc, PhD

Professional title: Doctor, Surgeon

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2023-06-08

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-03 17:04

Reviewer performed review: 2023-07-03 18:20

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [ ] Anonymous [Y] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The study titled "Mapping Research Trends of Transarterial Chemoembolization for Hepatocellular Carcinoma from 2012 to 2021: A Bibliometric Analysis" provides a comprehensive analysis of research trends in the treatment of hepatocellular carcinoma (HCC) using transarterial chemoembolization (TACE). The study employs robust methodology, including publication trends, collaboration between countries/institutions/authors, and the co-occurrence of keywords, keyword bursts, and references to identify key research areas, influential articles, and collaborations in the field. The findings offer valuable insights into the global scientific landscape of TACE for HCC and have the potential to inform future research directions, clinical practice, and policy decisions. Overall, this study contributes significantly to the understanding of TACE for HCC and provides a solid foundation for further research in this area. I have some suggestions.   The authors included the terms TS = (Hepatocellular Carcinoma OR HCC OR Liver Cancer OR Liver Neoplasms OR Hepatic Neoplasms OR Cancer of Liver). What precautions were taken to include only HCC (and not other types of liver cancer) among the selected studies?   The study could be further strengthened by expanding

the discussion of the current gaps in the literature and proposing future studies in this area.

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Title: Mapping research trends of transarterial chemoembolization for hepatocellular carcinoma from 2012 to 2021: a bibliometric analysis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06163675

Position: Peer Reviewer

Academic degree: FEBS, MD, PhD

Professional title: Surgeon

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-06-08

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-02 05:55

Reviewer performed review: 2023-07-08 08:09

Review time: 6 Days and 2 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] 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

Dear Authors, Your paper titled "Mapping research trends of transarterial chemoembolization for hepatocellular carcinoma from 2012 to 2021: a bibliometric analysis" provides a comprehensive analysis of scientific publications on transarterial chemoembolization (TACE) for the treatment of hepatocellular carcinoma (HCC) from 2012 to 2021. The study aims to identify research trends, collaboration patterns, and key topics in the field of TACE for HCC.   The original findings of this manuscript include the analysis and visualization of scientific results and research trends in transarterial chemoembolization (TACE) treatment for hepatocellular carcinoma (HCC) from 2012 to 2021. The study identified the countries, institutions, authors, journals, and keywords that were most prominent in this field during the specified time period. It also revealed the increasing trend of international collaboration in TACE for HCC and highlighted the important themes and research topics in this field. The study focused on conducting a bibliometric analysis rather than hypothesis-driven research. The study relied on analyzing and visualizing existing scientific literature to identify trends and patterns in TACE treatment for HCC. The study did not conduct experiments to confirm hypotheses.

As mentioned earlier, it focused on bibliometric analysis rather than hypothesis-driven research, so there were no specific hypotheses to confirm through experiments.Overall, the paper provides a comprehensive analysis of the research trends and collaboration patterns in the field of TACE for HCC. It offers valuable insights for researchers interested in this area and highlights the importance of practice guidelines, targeted therapies, and prediction of treatment outcomes. The Authors adequately discuss the results and provide insights into the findings, appropriately highlighting the increasing trend in the number of publications, the leading countries and institutions in terms of productivity, collaboration patterns, and the most productive journals. The identification of hotspots and emerging research topics, such as the prediction of TACE treatment and the use of propensity score matching, adds depth to the analysis. The paper could benefit from some improvements and clarifications. Firstly, the paper does not explicitly state the inclusion and exclusion criteria for selecting articles from the Web of Science database. It would be helpful to provide details on how the articles were screened and selected to ensure the transparency and reproducibility of the study. Secondly, while the paper discusses the highly cited articles and their characteristics, it would be useful to provide a brief summary or key findings of these articles to give readers an overview of the influential studies in the field. Additionally, the discussion section could be expanded to provide more context and interpretation of the results. The authors could discuss the implications of the findings for clinical practice, research directions, and potential areas for future investigation in the field of TACE for HCC. Finally, it would be beneficial to include limitations of the study and address any potential biases or shortcomings in the methodology or data analysis. This would enhance the transparency of the research and help readers better understand the scope and validity of the findings. Overall, the paper provides a valuable bibliometric analysis of the research trends in TACE treatment for HCC. With some improvements and clarifications, the paper has the

potential to make a significant contribution to the field.