

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 59229

Title: Comparison of survival between adolescent and young adults and the older patients with hepatocellular carcinoma

Reviewer's code: 03537453

Position: Peer Reviewer

Academic degree: PhD

Professional title: Profeesor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2020-08-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-09-01 23:20

Reviewer performed review: 2020-09-04 14:38

Review time: 2 Days and 15 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 Grade E: Do not publish
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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

RE: Manuscript NO: 59229 Title: Advanced hepatocellular carcinoma in adolescent, young adults and older adults This is an interesting article. The title has not imparted sufficient information on the subject of the manuscript, please rephrase it. The key words reflect the focus of the manuscript. Some concerns are listed as follow.

Abstract---Methods--- ##of "datas"》》》》 data。 Abstract--Results----- ## Of "The Cox proportional hazards regression model showd advanced age (HR=1.405, 95%CI: 1.218-1.621, P<0.001) was risk factor for OS of HCC. In the subgroup analysis, the Cox proportional hazards regression model showd in AJCC I / II, " ## There are other errors of words in the manuscript. Introduction: ## Of 'Research by Lewis R. Roberts et al. shows that the age at which HCC was likely to occur was different in different regions of the world14.' The authors are not those in the references. ## Of "Lewis R. Roberts et al. shows that the age at which HCC was likely to occur was different in different regions of the world14. ". The reference did not match. Results: ## Of "sex(P=0.934) 、 race(P=0.985) 、 marital status(P=1.000) 、 AJCC stage(P=0.974) 、 grade(P=0.887)、 surgery(P=1.000)、 radiation(P=1.000)、 chemotherapy(P=0.937)". ## Fig. 1 Forest map of multivariate analysis of OS in patients with HCC. All variables are statistically significant. Advanced age、 blacks、 advanced AJCC stage、 advanced grade are risk factors for OS of HCC; Female、 other races、 married status、 surgery、 radiation、 chemotherapy are protective factors for OS of HCC. Discussion: ## Please clarify>>>>In this article: "AYA cancer survivors had inferior 5-year OS compared with the general population, while the long-term survival was increasing17. " In reference 17: "AYA cancer survivors have inferior long-term survival compared with the general population." ## In the Discussion: "After comparing the baseline data, we found that AYA hepatocellular carcinoma patients had worse SEER stage, more



**Baishideng
Publishing
Group**

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

advanced AJCC stage and more likely to receive surgery. This was consistent with previous research: Cancer in AYA patients were often in advanced stages, and the cancer showed more aggressiveness²³. This may be related to the poor prognosis of AYA cancer patients.” More address and references are needed to make it sound and robust.

In the Discussion: “Insufficient exercise, mental illness, bad living habits, and comorbidities were not conducive to the OS of AYA cancer patients, resulting in poor prognosis.” are there any evidence relating to the conclusion? Otherwise rewrite should be done. Discussion should focus on the findings of “results”, so this section needs to be revised. ## References 13 and 14 are the same, please check them.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Author's Country/Territory: China

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Reviewer chosen by: Le Zhang

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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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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>

RE: Manuscript NO: 59229 Title: Comparison of survival between adolescent and young adults (AYA) and the older patients with hepatocellular carcinoma The title may be changed as Comparison of survival between the adolescent and young adults and older patients with hepatocellular carcinoma. This is an interesting article. Some concerns are listed as follow. Abstract--- AIM --- ## To investigate hepatocellular carcinoma patients OS between AYA(15-39) and the older (40-74). Age should be expressed in correct style. >>>> ## Months was written as monthes in the text in several places. ## datas ; stratified ;are mistakes. There are other issues involving language, please revised them throughout the manuscript. ## The references were changed, however, the cites in the text did not change. ## Abbreviations should be listed, such as AJCC.