

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 71627

Title: Two cases of hepatocellular carcinoma effective stereotactic body radiotherapy using Gold Anchor and the Synchrony system: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05524284

Position: Peer Reviewer

Academic degree: FRCP, MBBS, MD

Professional title: Associate Professor

Reviewer's Country/Territory: Singapore

Author's Country/Territory: Japan

Manuscript submission date: 2021-09-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-07 12:42

Reviewer performed review: 2021-10-08 05:03

Review time: 16 Hours

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 Grade E: Do not publish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



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Peer-reviewer statements	Peer-Review: [<input type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

I would like to congratulate the authors on this manuscript which is well written and quite topical. Some minor comments about language editing

1. Page 8 line 2-3 "The contrast stained the HCC in early phase and washed out in the late phase" should be changes to 'contrast-enhanced'
2. Page14 Line 24: "invasive, highly accurate, and can deliver a large dose to HCC". Suggest adding "of radiation" so that the line reads invasive, highly accurate, and can deliver a large dose of radiation to HCC.
- 3.

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Reviewer's code: 05562744

Position: Editorial Board

Academic degree: FACS, MD, PhD

Professional title: Professor, Senior Scientist

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Japan

Manuscript submission date: 2021-09-15

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Reviewer accepted review: 2021-10-13 05:00

Reviewer performed review: 2021-10-16 02:56

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Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
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Re-review	<input checked="" type="radio"/> Yes <input type="radio"/> No

**Peer-reviewer
statements**

Peer-Review: [☐] Anonymous [☒] Onymous
Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

Briefly: The authors presented two patients (1 patient with alcoholic liver disease and the other is HBV related liver disease) with hepatocellular carcinoma who had received multimodality treatment but soon had an elevation in PIVKA II levels. Gold anchor is a marker for determining the fine margins of the tumor and it guides stereotactic body radiation. Both cases had complete response to the treatment. The manuscript is well written and the flow of logic is perfect. I believe it will contribute to the literature,

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Peer-review model: Single blind

Reviewer's code: 05947170

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

Manuscript submission date: 2021-09-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-14 00:46

Reviewer performed review: 2021-10-22 11:05

Review time: 8 Days and 10 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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" 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

This article report that 2 patients with liver cancer who were difficult to control by surgical resection, radiofrequency ablation, TACE and radiochemotherapy have achieved satisfactory clinical results using SBRT combined with GA and Synchrony system treatment, This has a positive guiding role in exploring new radiotherapy programs for liver cancer, and also provides clinical support for radiotherapy to become the fourth local therapy for HCC. 1. The description of the research background is not sufficient. Therefore, it is recommended to supplement the application status of SBRT. 2. It is recommended to briefly describe the specific conditions of the surviving lesions before SBRT treatment? Such as: quantity and size, etc. 3. The discussion part lacks in-depth analysis. What is the definition of high dose? What is the basis for the use of radiation dose in the article? It is recommended to supplement related complications about the use of SBRT with GA and the Synchrony system for the treatment of liver cancer and analyze the causes. What are the limitations of the treatment in this article? 4.It is recommended to follow up to observe the long-term efficacy of this 2 patients, such as survival time, whether recurrence within one year, etc. 5. Some of the cited documents are outdated, it is recommended to I cite recent literature.