



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 73666

**Title:** Non-alcoholic Wernicke encephalopathy in an esophageal cancer patient receiving radiotherapy: A case report

**Provenance and peer review:** Unsolicited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02451447

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-12-01

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-12-02 01:00

**Reviewer performed review:** 2021-12-02 01:41

**Review time:** 1 Hour

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	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**

The authors reported a case of Wernicke encephalopathy developed in esophageal cancer patient receiving radiotherapy. The authors contributed radiotherapy to the development of Wernicke encephalopathy in this patient. Comment: 1. Language usage and grammar need to be improved. 2. Radiotherapy is one of the most common therapeutic modalities in the treatment of locally advanced esophageal cancer. Wernicke encephalopathy associated with radiotherapy is very rare. The current case already had malnutrition before and received TPN during radiotherapy, all these are risk factors for the development Wernicke encephalopathy as the authors discussed in the paper. Therefore, radiation therapy might not be the reason for the development of Wernicke encephalopathy in this case. Please revise the paper accordingly.



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**Reviewer's code:** 05915129

**Position:** Peer Reviewer

**Academic degree:** MD, MMed

**Professional title:** Surgeon

**Reviewer's Country/Territory:** Tanzania

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-12-01

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-12-06 13:33

**Reviewer performed review:** 2021-12-13 20:12

**Review time:** 7 Days and 6 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
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<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



<b>Peer-reviewer statements</b>	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**

very insightful manuscript- some few comments to consider below- 1. On physical examination- assessment of nutritional status should be reported as it is relevant to this case report 2. When the patient started receiving radiotherapy was repeated vomiting a consequence of radiotherapy-induced malabsorption, was there associated abdominal pain or diarrhea? Is the duration and dosage of radiotherapy for the first 8 days sufficient to cause radiotherapy-induced malabsorption in reference to existing literature? if this was not due to possible radiotherapy- I presume the esophageal carcinoma would rather present with regurgitation 3. On the description of the nutritional supplementation- insufficient vitamins is reported- was thiamine given or not- if it was, how much, was it adequate dosage or inadequate; the statement provided is too vague to draw firm conclusions pertaining to thiamine deficiency 4. In the published literature, how does radiotherapy induce, or exacerbate thiamine deficiency- is it in a similar manner as the one you hypothesize, through malabsorption? 5. "It recommends that a diagnosis of.." review this line, I believe there is a grammatical error. "glucosemight.." A minor typographical error. 6. It may be worth discussing the biochemical diagnosis of thiamine deficiency also- that may lead to Wernicke's encephalopathy 7. Stating generally that the use of glucose should be avoided needs to be reviewed. stating that glucose should be used with caution- as hypoglycemia is also hazardous



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Reviewer's code:** 02451447

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-12-01

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2022-01-14 05:56

**Reviewer performed review:** 2022-01-15 02:21

**Review time:** 20 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [ ] Yes [ **Y** ] No

#### **SPECIFIC COMMENTS TO AUTHORS**

The authors made significant improvement and answered my comments. But there are still English language usage errors which need to be improved. For example, this sentence needs to be written in standard English style "It is significant under-recognition and delay in the diagnosis or treatment of Wernicke encephalopathy in departments of oncology."