

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 57945

Title: Postoperative secondary aggravation of obstructive sleep apnea-hypopnea syndrome and hypoxemia with bilateral carotid body tumor: A case report

Reviewer's code: 02688321

Position: Peer Reviewer

Academic degree: MD

Professional title: PhD

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-07-03

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-08-04 22:26

Reviewer performed review: 2020-08-08 05:55

Review time: 3 Days and 7 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 Grade E: Do not publish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 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input 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

The manuscript entitled "Diagnosis and treatment of postoperative secondary aggravation of obstructive sleep apnea-hypopnea syndrome and hypoxemia in a patient with carotid body tumor: Case report" has useful information for readers who are interested in this field. I think it could be considered for publication with minor revision.

1. The authors discussed the reasons why the patient had the secondary aggravation of OSAHS and hypoxemia after CBT surgery. However, his BMI was more than 30. Did he have a smoking history? Were there any possibilities these factors affected that? 2. If blood catecholamine was examined for this patient preoperatively or postoperatively, please show the data. 3. p.7 line 3, "the whole-night sleepthe microarousal index" → "the whole-night sleep the microarousal index" 4. p.6 line 14, "the body and root of the tongue" → "the oral tongue and the base of the tongue" p.10 line the last line, "the root of the tongue" → "the base of the tongue" 5. Please describe the amount of blood loss and operation time. Did you perform preoperative embolization for this tumor?

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Title: Postoperative secondary aggravation of obstructive sleep apnea-hypopnea syndrome and hypoxemia with bilateral carotid body tumor: A case report

Reviewer's code: 03291032

Position: Peer Reviewer

Academic degree: PhD

Professional title: Academic Fellow, Academic Research, Adjunct Professor, Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-07-03

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-08-04 19:41

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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 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 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

[Comment] World Journal of Clinical Cases Manuscript review of Manuscript NO: 57945 provided a case report of a new treatment scheme, which is of interest. However, the authors need to improve their illustrations for clarity and logic. [Specific Comments] 1) Title: "Diagnosis and treatment of postoperative secondary aggravation of obstructive sleep apnea-hypopnea syndrome and hypoxemia in a patient with carotid body tumor: Case report" they should add "A" case report. 2) CASE SUMMARY should be written in descriptive narratives in the logic flow. 3) CONCLUSION is too vague. The authors should write specifics in the case. 4) The core tip should be different from Abstract and complimentary to Abstract, not repetitive. 5) They need to elaborate more on diagnostics and treatment -too vague for such "20%–30% of patients with CBT have a family history of genetic diseases [2]." 6) Clinical data should be shown rather in Tables than in the verbalized text. Plus, the authors illustrated in a flow chart with descriptions on the side to explain the reasoning. 7) "After bilateral CBT surgery, carotid body chemoreceptor was damaged, and the body's sensitivity to changes in blood oxygen concentration decreased." Any laboratory data of biochemistry are available to support? Also, "In this patient, due to the damage of the carotid body chemoreceptor and nerves after CBT surgery, CPAP treatment needs accurate and stable EPAP and IPAP pressure." Which lacks the supporting data for "the carotid body chemoreceptor and nerves." 8) "Using PSG-monitored manual pressure titration, the patient had [a] nighttime sleep, breathing, and hypoxia accurately and dynamically, and the real-time adjustment of ventilator treatment pressure and timely oxygen therapy could be realized. " (Figure 2. a: PSG result of stage wake; b:PSG result of stage REM c:manual pressure titration before oxygen therapy;d>manual pressure titration after oxygen therapy" and Fig. 3 - both should be integrated with the accompanying



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treatment flow charts. 9) All Figures should come with more descriptive legends, with sufficient details for the reader to get the picture without reading the body of the text. For example, the arrowheads for what? 10) Grammar errors: e.g., 1 “A 39-year-old male, Han nationality, [the] (add) patient reportedly had a headache, earache.” E.g., 2 “On [the](deleted) postoperative day 1, his extended tongue,” E.g., 3 “the results of [the] pulmonary function test and magnetic resonance imaging (MRI) of the head.” E.g., 4 “follow-up medications and the use of [a] ventilator were recommended.” E.g., 5: “Oral administration of psychotropic and antihypertensive drugs and ventilator treatment [were] (use was) continued, with the same therapeutic regime as that 3 months ago.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

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Professional title: PhD

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

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Reviewer chosen by: Jia-Ping Yan

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Review time: 1 Hour

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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SPECIFIC COMMENTS TO AUTHORS

I think it is considered for publication.

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Author's Country/Territory: China

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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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