

## PEER-REVIEW REPORT

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

**Manuscript NO:** 62450

**Title:** Complete recovery of herpes zoster radiculopathy based on electrodiagnostic study: A case report

**Reviewer's code:** 02439165

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

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

**Author's Country/Territory:** South Korea

**Manuscript submission date:** 2021-01-09

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-01-09 13:56

**Reviewer performed review:** 2021-01-10 02:03

**Review time:** 12 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 Grade E: Do not publish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 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 type="checkbox"/> Yes <input checked="" 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**

It is interesting to be described by the authors but the readers needs more information on both scientific and useful evidence about this rare disorder. For example, does it resolves spontaneously or needs positive therapy.

## PEER-REVIEW REPORT

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

**Manuscript NO:** 62450

**Title:** Complete recovery of herpes zoster radiculopathy based on electrodiagnostic study: A case report

**Reviewer's code:** 05386819

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Surgeon

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

**Author's Country/Territory:** South Korea

**Manuscript submission date:** 2021-01-09

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-01-09 06:06

**Reviewer performed review:** 2021-01-17 09:31

**Review time:** 8 Days and 3 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<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

## **SPECIFIC COMMENTS TO AUTHORS**

MS reference: 62450 Title: Complete Recovery of Herpes Zoster Radiculopathy Based on an Electrodiagnostic Study: A Case Report 1, Summary: In this manuscript, Kim et al. reported a case of herpes zoster radiculopathy accompanying severe motor weakness. Electrodiagnostic study is used in this case to help diagnose and follow-up the recovery. The authors mentioned that clinicians should consider the possibility of post-herpetic paresis, such as herpes zoster radiculopathy, which can be identified and monitored by the electrodiagnostic study. This is an interesting case, and the manuscript is well organized. There are a few limitations in this manuscript. 2, Following are some major comments: 1), The authors mentioned that MRI of the cervical spine revealed no abnormal signal intensity of the spinal cord or intervertebral disc herniation. However, Figure 2 showed cervical kyphosis of C4-6 (especially C4-5) and degeneration of cervical vertebra, indicating that intervertebral disc herniation or osseous compression may exist. In addition, there is no clear mention of which segment Figure 2B represents. 2), As has been suggested by the authors, the electrodiagnostic study is a helpful tool for diagnosis and follow-up of radiculopathy, including herpes zoster radiculopathy. However, it seems that the novelty of this study has not been emphasized in this manuscript. As is well-known, electrodiagnostic study has been widely used to distinguish the causes of muscle weakness. 3), It will be more interesting if authors could introduce more about the significance of electrodiagnostic study for such cases. Because according to the patient's data, regardless of whether there is an electrodiagnostic study, it will not affect the treatment strategy and outcomes. On the other hand, what other diagnostic possibilities are there, and how the results of electrodiagnostic study help distinguish these possibilities for this patient. 4), It's good to note that this patient recovered completely six months after presentation. Readers of



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the journal may be interested in the detailed protocol of the occupational therapy and electrical stimulation therapy used for this case, as well as the treatment after discharge.

5), The prognosis of motor weakness caused by herpes zoster is relatively good, with 66% of patients with zoster paralysis recovering completely within 12 months and 17% reported to have permanent paralysis. How to understand the value of electrodiagnostic results? Whether they can contribute to the prediction of patients' prognosis? 3, Following are some minor comments: 1, The "th" in line 141 Page 5 (On the 12th hospital day) is superscript, and is not consistent with that in line 69 page 3 (On the 12th hospital day). There are many similar inconsistencies in the manuscript. 2, line 224, page 8, there's an extra space at the end of the sentence "Second, a follow-up electrodiagnostic study was performed at 6 months from onset and was not repeated."

Sincerely.

## PEER-REVIEW REPORT

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

**Manuscript NO:** 62450

**Title:** Complete recovery of herpes zoster radiculopathy based on electrodiagnostic study: A case report

**Reviewer's code:** 05388526

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Chief Physician, Doctor, Surgeon

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

**Author's Country/Territory:** South Korea

**Manuscript submission date:** 2021-01-09

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-01-19 14:43

**Reviewer performed review:** 2021-01-20 09:52

**Review time:** 19 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 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 type="checkbox"/> Yes <input checked="" 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**

1.The author present a case of herpes zoster radiculopathy accompanying severe motor weakness. The patient was diagnosed with an electrodiagnostic study, and complete recovery was confirmed through a follow-up electrodiagnostic study. It is interesting, but still have some case series of segmental zoster paresis of limbs were published. For disscussion, should we focus more latest literatures. 2.Could you offer clearer pictures of sagittal view.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 62450

**Title:** Complete recovery of herpes zoster radiculopathy based on electrodiagnostic study: A case report

**Reviewer's code:** 05386819

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Surgeon

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

**Author's Country/Territory:** South Korea

**Manuscript submission date:** 2021-01-09

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-02-04 02:11

**Reviewer performed review:** 2021-02-05 04:07

**Review time:** 1 Day and 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 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<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

## SPECIFIC COMMENTS TO AUTHORS





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MS reference: 62450 Title: Complete Recovery of Herpes Zoster Radiculopathy Based on an Electrodiagnostic Study: A Case Report 1. Major comment: The authors have answered my questions carefully and made appropriate amendments to related comments. One remaining concern is that whether this report is exactly “the first case report of complete recovery of herpes zoster radiculopathy demonstrated on electrodiagnostic study” (as has been mentioned by the authors in the manuscript)? According to the literature and the references cited by the authors, some case series of segmental zoster paresis of limbs have been published and completely recovery of such patients have been described. For example, in the paper published by Liu et al., the #1 Patient regained the full arm strength without any treatments within 3 months follow-up period (electrophysiological results were provided). References: 14. Liu Y, Wu BY, Ma ZS, Xu JJ, Yang B, Li H, et al., A retrospective case series of segmental zoster paresis of limbs: clinical, electrophysiological and imaging characteristics. BMC Neurology, 2018;18(1): 121 [PMID: 30131076 DOI: 10.1186/s12883-018-1130-4] 2. Minor comment: In the previous comments, I pointed out some inconsistencies in the format (whether "th" is superscript or not), but this does not mean that the superscript format is wrong. It is recommended to refer to the specific requirements of the journal. Sincerely.