

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64563

Title: Neuromuscular electrical stimulation for a dysphagic stroke patient with a cardiac pacemaker using magnet mode change: A case report

Reviewer's code: 05426634

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Director

Reviewer's Country/Territory: China

Author's Country/Territory: South Korea

Manuscript submission date: 2021-02-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-22 13:48

Reviewer performed review: 2021-02-24 02:24

Review time: 1 Day and 12 Hours

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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input 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

It is a very interesting case report. There have been a few reports of electrical stimulation with cardiac pacemakers. However, this case is the first report using magnet mode change. Had this patient received no treatment other than electrical stimulation? Are other treatments like acupuncture used to treat this disease in Korea? How was it assessed at the time of admission? It might be better to answer these questions.

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64563

Title: Neuromuscular electrical stimulation for a dysphagic stroke patient with a cardiac pacemaker using magnet mode change: A case report

Reviewer's code: 00183481

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: South Korea

Manuscript submission date: 2021-02-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-24 09:52

Reviewer performed review: 2021-02-27 08:28

Review time: 2 Days and 22 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input 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



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SPECIFIC COMMENTS TO AUTHORS

The authors presented a very impressive case report using clinical magnets to reduce electromagnetic interference (EMI) risk. A dysphagic stroke patient with cardiac pacemaker was treated with neuromuscular electrical simulation (NMES) using magnet mode change. The authors further discuss about the implications of this approach. A reviewer strongly recommend for publication of this paper with some notices. 1. Please mention the patient's consent for this treatment and approval from institutional review board if available. 2. The manufacturer has mentioned this device should be used with caution on patients with cardiac demand pacemaker or other implanted electric devices. Please indicated the caution in your manuscript. small point: Does "6" indicate reference number in line 17 page 8?

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64563

Title: Neuromuscular electrical stimulation for a dysphagic stroke patient with a cardiac pacemaker using magnet mode change: A case report

Reviewer's code: 05385778

Position: Peer Reviewer

Academic degree: DPhil

Professional title: Director, Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: South Korea

Manuscript submission date: 2021-02-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-23 23:18

Reviewer performed review: 2021-03-02 06:54

Review time: 6 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 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

This case report is the first case that dysphagia rehabilitation that (electromagnetic interference) EMI risk was handled using mode change of pacemaker with magnet. The patient had cardiac pacemaker implanted on his left chest due to the sick sinus syndrome, when performing neuromuscular electrical stimulation (NMES), the risk of EMI should be considered. As this method was not reported and the patient obtained good therapeutic effect, it might bring new significance for the treatment of such clinical related diseases. However, there are still the following questions for the author to answer. 1. At the first step of VFSS, large amount of thin water was aspirated over vocal cord and patient coughed severely. Are there any corresponding laryngeal protection in this step at present? 2. What is the specification of the magnet attached to the pacemaker? Are there specific requirements for its relevant parameters (e.g. weight, volume, magnetic or shape)? Are there any commercialized products? 3. According to the existing treatment experience, could you add the suitable patients for the treatment in the discussion part of this report? 4. Did the author use this therapy to treat other patients after this report was submitted? Please supplement and update the relevant data on the safety and effectiveness of this treatment on patients in the part of discussion at present.

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64563

Title: Neuromuscular electrical stimulation for a dysphagic stroke patient with a cardiac pacemaker using magnet mode change: A case report

Reviewer's code: 05476795

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Indonesia

Author's Country/Territory: South Korea

Manuscript submission date: 2021-02-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-22 15:40

Reviewer performed review: 2021-03-02 13:05

Review time: 7 Days and 21 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 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



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SPECIFIC COMMENTS TO AUTHORS

First of all, thank you for your report. This was an excellent case on the use of magnet mode in pacemakers to prevent the risk of EMI from the application of NMES. Moreover, both treatment plan and follow-ups were very well executed. A few issues I'd like to address in this report include : 1. In which area of the body was the NMES device placed? Which areas should be avoided so that it would not interfere with the pacemaker? If the NMES device is placed in an area where it's not supposed to be placed, can it interfere with the pacemaker even if the pacemaker has been switched to desire mode (fixed asynchronous mode)? 2. Were there any difficulties encountered during the treatment? I hope you find this comment helpful for your manuscript.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64563

Title: Neuromuscular electrical stimulation for a dysphagic stroke patient with a cardiac pacemaker using magnet mode change: A case report

Reviewer's code: 00183481

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: South Korea

Manuscript submission date: 2021-02-22

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2021-04-19 11:23

Reviewer performed review: 2021-04-21 03:08

Review time: 1 Day and 15 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

I found the authors answered all the questions correctly. I will recommend the manuscript will be accepted with high priority.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64563

Title: Neuromuscular electrical stimulation for a dysphagic stroke patient with a cardiac pacemaker using magnet mode change: A case report

Reviewer's code: 05476795

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Indonesia

Author's Country/Territory: South Korea

Manuscript submission date: 2021-02-22

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2021-04-22 14:00

Reviewer performed review: 2021-04-22 14:11

Review time: 1 Hour

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
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SPECIFIC COMMENTS TO AUTHORS

Still need longterm follow up regarding the patient's condition, especially in pandemic situation.