

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 83051

Title: Novel mutation of SPG4 gene in a Chinese family with hereditary spastic paraplegia: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06400042

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Iraq

Author's Country/Territory: China

Manuscript submission date: 2023-01-06

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-25 21:24

Reviewer performed review: 2023-02-01 22:57

Review time: 7 Days and 1 Hour

Scientific quality	<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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<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
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

Dear Authors, This is an interesting case report Hereditary spastic paraplegia . The case report is generally well described with a strong message regarding the newly discovered pathogenic mutation that mentioned in manuscript , expanding the existing knowledge of the spectrum of mutations of SPG4. . However, certain points have to be addressed in order to enhance the scientific quality of this case report: 1) In line 103 , fever in his right knee should be changed to hotness of his right knee. 2) In line 112, There was no muscle amyotrophy should be corrected to There was no muscle atrophy 3) In line 112, fibrillation should be corrected to fasciculation, clawfoot to claw-feet 4) The following sentence (There was no muscle amyotrophy, muscle tract fibrillation, and abnormal involuntary movement. He was intellectually normal and had no ataxia, cognitive impairment, peripheral neuropathy, bladder dysfunction, clawfoot, and scoliosis) have English a grammar problem regarding the use of negative sentence ? 5) In line 135 the following sentence (weakness and spasticity of both lower limbs in his 40 years and had required a cane to walk in his 60 years) should be corrected to (weakness and spasticity of both lower limbs at age 40 years and at age 60 years he start using cane to walk) 5) In



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line 255 what you mean by (avoiding neuro-disease-inducing substances)? it should be changed to appropriate pharmacological term. 6)The examination of his nervous system showed increased muscle tension ? here what you mean by muscle tension, did you mean tone?? 7) in line 110, you should explain what type of muscle weakness does the patient had? is it proximal , distal or pyramidal? please you have to re-write the physical examination using appropriate neurological terms with detailed neurological examination. 8) Can you please upload the lab. result for the studied gene with manuscript files.

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Peer-review model: Single blind

Reviewer's code: 00401043

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-01-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-24 17:37

Reviewer performed review: 2023-02-05 22:44

Review time: 12 Days and 5 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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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 authors, Drs Wang et al., described a Chinese family with HSP had a novel SPG4 gene mutation, which is autosomal dominant and inherited as pure HSP. The authors need to address the following concerns or questions. The SPRS scale evaluation should be included in the text and summarized in the Table. Moreover, bioinformatic methods should be reported in details (Mutation Taster, Polyphen-2, SIFT, Provean). See Carosi et al, JNNP 2015 (see Suppl. File). The English language needs an improvement.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Peer-review model: Single blind

Reviewer's code: 00401043

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-01-06

Reviewer chosen by: Xiao-Fang Liu

Reviewer accepted review: 2023-03-19 14:41

Reviewer performed review: 2023-03-19 19:20

Review time: 4 Hours

Scientific quality	<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
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
Peer-reviewer	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

Accept