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PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 77103

Title: Novel compound heterozygous variants in the LHX3 gene caused combined pituitary hormone deficiency: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05420967
Position: Peer Reviewer
Academic degree: FACE, MD
Professional title: Doctor
Reviewer's Country/Territory: India
Author's Country/Territory: China

Manuscript submission date: 2022-04-15

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-05-21 15:58

Reviewer performed review: 2022-06-01 05:33

Review time: 10 Days and 13 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors have described a case of 11 year old boy with compound heterozygous mutation of LHX# gene affecting c.613G>C (p.V205L) and c.220T>C (p.C74R). The authors suggest that these are novel compound mutations of LHX3 gene. the case report is well written but a few minor modifications are suggested. 1. Please enumerate the common mutations of LHX3 gene in discussion section. 2. In the chief complaint section, please reframe the sentence "pituitary function was reduced from birth". 3. Please modify the history of present illness. The description of seizure episodes can be altered and more appropriate term other than "remission" can be used. 4. Why was the boy considered for testosterone replacement at age of 11 years? 5. "Pituitary magnetic resonance imaging (MRI) showed that the brain's anterior and posterior diameter ratio was unbalanced". The term "brain MRI" should be used when describing dimensions of the brain. 6. In the treatment section please specify which lesion was removed. 7. Was 3 months of anti-epileptic treatment adequate? 8. Please provide a brief description of the other cases of CPHD with LHX3 mutation. The section narrating general features of CPHD can be curtailed.