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7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64601

Title: Prenatal diagnosis of triphalangeal thumb-polysyndactyly syndrome: ultrasonography combined with genetic testing, a case report

Reviewer's code: 06006212
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer's Country/Territory: Japan
Author's Country/Territory: China

Manuscript submission date: 2021-04-24
Reviewer chosen by: AI Technique
Reviewer accepted review: 2021-05-01 02:59
Reviewer performed review: 2021-05-01 04:03
Review time: 1 Hour

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] 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
Peer-reviewer statements	Peer-Review: [ ] Anonymous [Y] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

Congratulations for the novel findings. Because there has been more and more debate regarding prenatal genetic testing, their achievement should be remarked and admired clinically and ethically. I personally value this manuscript and believe in the clinical impact of this discovery. There were still several points that I was curious about. 1) What is PPD-II? Readers of this journal are not necessarily specialists of this disease. This terminology should be spelled out. 2) Did author perform the genetic tests for the parents or other relatives of the patients? 3) Was the amount of the mutation in LMBR gene the same among the patient, fetus, and son? 4) Since polydactyly present a wide variety of phenotype and is also associated with many other underlying defects, this combination method of ultrasound and genetic test seems generalizable for other abnormalities than TPT-PS. Did author find any article reviewing the effectiveness of genetic test with prenatal ultrasound on other congenital diseases? If not, what do authors think of the potential of this method in prenatal diagnosis? This perspective may broaden the clinical impact and usefulness of this manuscript. Overall, this manuscript gave us useful information and will be of help clinicians and patients to deal with physical, mental, and ethical problems.