PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64736

Title: Prenatal diagnosis of isolated lateral facial cleft with ultrasonography and three-dimensional printing: A case report

Reviewer's code: 00742368

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

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Reviewer chosen by: Man Liu

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Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

1 Title. Does the title reflect the main subject/hypothesis of the manuscript? Yes   2 Abstract. Does the abstract summarize and reflect the work described in the manuscript? Yes   3 Key words. Do the key words reflect the focus of the manuscript? Yes   4 Background. Does the manuscript adequately describe the background, present status and significance of the study? Yes   5 Methods. Does the manuscript describe methods (e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail? case report , not applicable   6 Results. Are the research objectives achieved by the experiments used in this study? What are the contributions that the study has made for research progress in this field? One of the new articles dealing with the use of 3D printing in prenatal diagnosis; a relatively new field   7 Discussion. Does the manuscript interpret the findings adequately and appropriately, highlighting the key points concisely, clearly and logically? Are the findings and their applicability/relevance to the literature stated in a clear and definite manner? Is the discussion accurate and does it discuss the paper's scientific significance and/or relevance to clinical practice sufficiently? Yes, need to comment on the potential cost of introducing this technology into the field of prenatal diagnosis   8 Illustrations and tables. Are the figures, diagrams and tables sufficient, good quality and appropriately illustrative of the paper contents? Do figures require labeling with arrows, asterisks etc., better legends? Table 1 can be deleted   9 Biostatistics. Does the manuscript meet the requirements of biostatistics? not applicable   10 Units. Does the manuscript meet the requirements of use of SI units? Yes   11 References. Does the manuscript cite appropriately the latest, important and authoritative references in the introduction and discussion sections? Does the author self-cite, omit, incorrectly cite and/or over-cite references? Yes   12 Quality of manuscript organization and presentation. Is the manuscript well, concisely and

coherently organized and presented? Is the style, language and grammar accurate and appropriate? Lots of editorial changes in attached file 13 Research methods and reporting. Authors should have prepared their manuscripts according to manuscript type and the appropriate categories, as follows: (1) CARE Checklist (2013) - Case report; (2) CONSORT 2010 Statement - Clinical Trials study, Prospective study, Randomized Controlled trial, Randomized Clinical trial; (3) PRISMA 2009 Checklist - Evidence-Based Medicine, Systematic review, Meta-Analysis; (4) STROBE Statement - Case Control study, Observational study, Retrospective Cohort study; and (5) The ARRIVE Guidelines - Basic study. Did the author prepare the manuscript according to the appropriate research methods and reporting? Yes 14 Ethics statements. For all manuscripts involving human studies and/or animal experiments, author(s) must submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Did the manuscript meet the requirements of ethics? Not addressed, need to comment. A case report of the application of 3D printing to the prenatal diagnosis of congenital anomalies diagnosed by 2D and 3D ultrasound. This technique was used in the prenatal diagnosis of cardiovascular anomalies, it aided in the repair of microtia where a mold of the normal ear was created to achieve symmetry, in maxillary reconstruction, in virtual surgery of congenital heart disease or ventricular assist device implantation and has a great potential for use in the future. Similar case reports and case series are needed. Main comments: -table 1 does not add to the case report and can be deleted -minor revision of language is needed. Avoid repetitions in the discussion. -A comment about the cost of this technique since it is new and physicians might not be well informed about 3D printing, cost of the machine used, raw material, is a specific software needed to transfer images from 3D ultrasound to the 3D printer -Ethical approval not mentioned