

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 58887

Title: Three-year clinical investigation of a Chinese child with craniometaphyseal dysplasia caused by a mutated ANKH gene: A case report

Reviewer's code: 00615268

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-08-12

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-11-23 14:36

Reviewer performed review: 2020-12-02 21:22

Review time: 9 Days and 6 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 Grade E: Do not publish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 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

This is an interesting manuscript describing positive effects of low calcium diet on the progression of CMD. Some sentences or statements need clarifications. Abstract: first paragraph should in present tense β -Crosslaps should be β -CrossLaps Instead of "The child was relieved after a low-calcium diet. " you may want to say " Phenotypic markers of CMD were reduced after a low calcium diet." Introduction: Change sentence to "Excess bone formation in the jaw can delay development of dentition or result in non-erupting teeth. " Clinical Investigation: Instead of "facial nerve parlay" do you mean facial nerve paralysis? Intervention: Include a sentence with the age of the boy at the beginning of the diet. Are the reference values in Table 1 adjusted for the age of the child? Please mention the age range that these reference values are for. Include the age of the child years and months in the table for each step of the treatment like 2, 7, 13 28 month of treatment. Reference values change with age, although there may not be sufficient data available. Discussion: Last paragraph: What do you mean with "prompt osteogenesis"? Rephrase the sentence "After 2 months and 7 months , alkaline phosphatase was reduced to the same level implying that osteogenesis was still higher". Why would ALP levels that are reduced to normal range indicate high bone formation (osteogenesis)? "...over the bone resorption..." do you want to state that OC levels that were still above the reference levels indicated that there was still more bone formation despite the reduced ALP levels? Conclusion: Beta-CTX and osteocalcin levels are still high after the diet regimen. Beta-CTX is a measure of osteoclast activity or bone resorption and osteocalcin of osteoblast activity. Both being increased suggests that there is still a higher bone turnover in the patient. This should be considered in the conclusions or discussion. Therefore, these sentences need some re-writing or re-interpretation: "While OC levels also lowered, they remained above the normal range,

suggesting that both early and late osteogenesis were either normalized or significantly improved. Despite the nutritional intervention, combined β -Crosslaps levels remained increased. “ Figure Legends: Is figure 1 at age 18 months, before low calcium diet? The text states otherwise, needs clarification. Change to “...ribs are sclerotic” not sclerosis. Delete the sentence “There was no tympanic cavity effusion.” As the radiographs do not show whether there is effusion. Figure 2: add the significant findings shown after the diet.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

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Reviewer chosen by: Chen-Chen Gao

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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 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

Requests for revision were addressed. There are still some typos like "perscribed" instead of "prescribed" and in the figure legends "...were sclerosis and the..." instead of "...were sclerotic and the..." .