**Author's response to reviews**

**Title:** Orthodontic treatment of severe anterior open bite and alveolar bone defect complicated by an ankylosed maxillary central incisor: a case report

**Authors:**

Feiou Lin (499249858@qq.com)
Hao Sun (sunhao19891218@gmail.com)
Linjie Yao (1303171089@qq.com)
Qiu Shuo Chen (42014335@qq.com)
Zhenyu Ni (nzy1993@163.com)

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**Author's response to reviews:** see over
Dear Editor,

We would like to express our sincere appreciation for your careful reading and helpful comments. Those comments are all valuable and very helpful for revising and improving our paper, as well as the important guiding significance to our researches. The manuscript has been carefully rechecked and appropriate changes have been made in accordance with the editor’s and reviewers’ comments. The grammar have been corrected by a native-English speaker with scientific expertise from Edanz and we are very grateful for their work. The paper is easy to read now. We hope that the revised manuscript is now suitable for publication in your journal.

Responses to Reviewer

Minor Essential Revisions:

I think it would flow better to add 'and it is usually difficult to treat orthodontically' to the following sentence in the Background: "Anterior open bite malocclusion is a difficult problem in orthodontic treatment, because such a malocclusion develops as a result of the interplay of many different etiologic factors and it is usually very difficult to treat orthodontically. Some of these treatment methods include: orthognathic surgery....."

I don't feel that it is a completely new technique that is being used for the case so the purpose of the case report needs to be changed: 'The purpose of this case report is to illustrate the treatment of a severe anterior open bite and alveolar bone defect complicated by an ankylosed maxillary central incisor.'
I agree with you that the open bite occurred because of the ankylosed tooth and the patient may have developed a compensatory tongue thrust because of the open bite, but the tongue thrust did not cause the open bite. I would put the new sentence "He had bad habit of compensated tongue thrusting" at the end of the first paragraph in the case presentation and also change that last sentence "His smile became strange because the patient was ashamed of his teeth condition". It might sound better to say "The patient did not like to smile as he was ashamed of his teeth. He also had a compensatory tongue thrust due to the anterior open bite."

[Answer] we accept the suggestion and modify the article (see red words in Background/Introduction)

I look forward to your reply.

Sincerely,

Zhenyu Ni

Orthodontic Department, School of Stomatology, Wenzhou Medical University
No. 113 West Xueyuan Road, Wenzhou, Zhejiang, China
Phone and Fax: +86-0577-88063008;
E-mail: nzy1993@163.com