

Dear Mr Jin-Lei Wang,

Thank you very much for your letter and for the reviewers' comments concerning our manuscript entitled "Intervertebral bridging ossification after kyphoplasty in a Parkinson's patient with Kummell's disease: A case report." (Manuscript NO.: 69434, Case Report). Your comments and those of the reviewers were highly insightful and enabled us to greatly improve the quality of our manuscript. We have studied comments carefully and have made correction which we hope meet with approval. The main corrections in the paper and the responds to the reviewer's comments are as following:

Responses to the comments of Reviewer #1

1. In this case report, I can't find strong evidence that PD contributed to her bridging ossification.

Answer: According to your suggestion, we have added relevant literatures leading to the formation of intervertebral bone Bridges, including the factors of Parkinson's disease itself and the factors caused by taking levodopa. (Page #8, line 6-14; Page #11, line 19-35; Page #12, line 1-23).

2. The authors didn't talk about her PD in detail. 1) What's the predominant symptoms? (tremor type, rigidity type, or ...) 2) What's the stage of the patient? 3) What's the dose of Levodopa and benserazide hydrochloride? 4) Did she have motor complications or other non-motor symptoms? Some of the detail characteristic are very important.

Answer: Thank you for your advice. 1) The predominant symptoms is rigidity type. 2) The stage of the patient was Hoehn and Yahr stage IV. 3) The patient take levodopa 600mg and benserazide hydrochloride 150mg orally daily to control the PD symptoms. 4) The patient has significant standing instability when turning the body and cannot maintain balance when the body is pushed. Functionally, the patient's mobility was significantly affected and he could still walk and stand on his own, but he was unable to live independently. (Page #5, line 17-19; Page #6, line 1-5).

Responses to the comments of Reviewer #2

1. Authors should be more specific about the characteristics of the case (subject) in the Methods section.

Answer: In accordance with your request, We introduced the characteristics of the case in more detail in the Methods section. (Page #4, line 11-16; Page #5, line 1-7).

2. If the authors describe the conclusion section more specifically, it can help readers understand.

Answer: Your request is quite to the point, We describe the conclusion section more specifically.(Page #2, line 20-26).

Responses to the comments of Science editor

1.The authors must explain why Parkinson's disease is associated with bridging ossification.

Answer:According to your suggestion, we have added relevant literatures leading to the formation of intervertebral bone Bridges, including the factors of Parkinson's disease itself and the factors caused by taking levodopa.(Page #8, line 6-14;Page #11, line 19-35;Page #12, line 1-23).

2. Treatment plan and drugs for patients with PD patients.

Answer:The patient take levodopa 600mg and benserazide hydrochloride 150mg orally daily to control the PD symptoms.(Page #4, line 11-13).

3.References should be used for nearly three years

Answer: Thank you for your advice.We add references within the last 3 years.(Page #9, line 6-29;Page #10, line 1-31;Page #11, line 1-31;Page #12, line 1-25).

4.The picture should include some arrows.

Answer: Thank you for your advice.We add more arrows in the picture.(Page #13, line 4-16;Page #14, line 1-11).

We tried our best to improve the manuscript and made some changes in the manuscript. These changes will not influence the content and framework of the paper. We hope that the revisions in the manuscript and our accompanying responses will be sufficient to make our manuscript suitable for publication.

Once again, thank you very much for your comments and suggestions..

Regards,

Dr. Jie Li