

Dear Prof,

Thank you very much for your comments and suggestions. We have revised the manuscript, according to the comments and suggestions of reviewers and editor, and responded, point by point to, the comments as listed below.

Replies to Reviewer #2:

1.It is poorly written, the english is very approxymative : therefore it is difficult to follow .

Answer: Since our native language is not English, we have polished the language of this article.

2. It is NOT possible that there is a single author ! Indeed rheumatologist, immunologist, pathologist were involved : HOW can they have been skipped from being co-authors ?

Answer: We supplement the list of authors who contributed to the paper.

3. The titled is misleading : I could NOT find the literature review ! There SHOULD be a Table summarizing the use of Tocilizumab in ANCA-associated vasculitis.

Answer: We revised the title of the paper and added a table summarizing

the use of Tocilizumab in ANCA-associated vasculitis in the discussion section. We have highlighted in red font when revising the manuscript.

4. It is stated « B lymphocyte antigen 4.1% (10-15%), CD4 35.1% (25.8-41.6%), CD8 52.2% (18.1-29.6%), and etc »: please which CD was assessed for B lymphocytes ? In addition, lymphocyte subtest should be given either in G/L or in /mm<sup>3</sup>.

Answer: CD19 was assessed for B lymphocytes. Numerical units of lymphocyte subsets have been corrected. We have highlighted in red font when revising the manuscript.

5. Cyclophosphamide was discontinued, and the hormone doses were reduced : what does it mean ?

Answer: Because the patient had lung infection, excessive dose of glucocorticoid and immunosuppressive agents aggravated the lung infection, patient stopped using cyclophosphamide and reduced the dose of glucocorticoid.

6. It is stated «However, the G test was positive twice, while the GM test was negative. The vasculitis was considered to be controlled, but the pulmonary fungal infection persisted. Dose reduction was obtained, and methylprednisolone 6 mg/d was administered. Cyclophosphamide was replaced with TW for immunosuppression... » what do G, GM, TW ?

Answer:G serum G ((1–3)- $\beta$ -d-glucan test.GM Galactomannan test.TW  
Tripterygium wilfordii. We have highlighted in red font when revising the  
manuscript.

7. «EB DNA was 5.09E+4 $\uparrow$ copies/ml. Negative results were obtained for  
the pathological examination of tracheal lavage fluid, and TORCH test  
analysis ... » : it should read EBV instead of EB ; what does T After dose  
reduction of the hormones, etc ... : what does hormones mean ?

Answer: EBV instead of EB ,we have highlighted in red font when  
revising the manuscript. hormones means glucocorticoid. We have  
corrected the hormone in the manuscript to glucocorticoid.

With kindest regards,

Yours Sincerely

Dr. Hongying Shi