

## **Response to the reviewer:**

We are very grateful to editors and reviewer for their insightful comments and suggestions about this manuscript. We feel the revised manuscript now more scientifically written and further strengthened. All revisions in the manuscript were made according to the comments and suggestions from reviewers and editors, and 'Track changes' was used in MS Word to label out the changes.

Response to the reviewers are as follows:

### **REVIEWER'S EVALUATION**

**1/ Case presentation – 1st sentence: please specify what is „our hospital“ – the reader doesn't know which hospital and at which city it is**

Rewritten as 'our hospital (Xiangya Hospital, Central South University, Changsha, Hunan, China)' in MS.

**2/ Discussion – the sentence „Other conditions that may require...“ doesn't make sense, please rewrite.**

The purpose of this paragraph is to try to analyze the possible reasons for the release of cytokines in the patient. The first reason is the direct release from tumor cells, and the second is due to tumor necrosis. This passage has rewritten as 'Tumor necrosis can also release a large number of cytokines, such as TNF. The patient had obvious

necrotic cavities in her lungs which may have been the cause of cytokine release.' in MS.

**3/ Informed consent statement: Since the patient died, I need to ask if the informed consent included also consent with publication of the individual's scientific data? If not, a written consent with publication of the case would be needed from a patient's family member.**

In the informed consent signed by the patient before her death, the patient has been authorized to publish her information after hiding her personal information.

However, in order to respect the patient and his family more, I contacted the patient's family again to sign a certificate of authorization, see the annex for details.

**4/ At the request of our hospital, the author's office has been revised as follows :**

*Pengbo Deng<sup>1,2,3,4,5,6</sup>, Juan Jiang<sup>1,2,3,4,5,6</sup>, Chengping Hu<sup>1,2,3,4,5,6</sup>, Liming Cao<sup>1,2,3,4,5,6</sup>,*

*Min Li<sup>\*1,2,3,4,5,6</sup>*

1.Department of Respiratory Medicine, National Key Clinical Specialty, Branch of National Clinical Research Center for Respiratory Disease, Xiangya Hospital, Central South University, Changsha, Hunan, China, 410008.

2.Xiangya Lung Cancer Center, Xiangya Hospital, Central South University, Changsha, Hunan, China, 410008.

3.Center of Respiratory Medicine, Xiangya Hospital, Central South University,

Changsha, Hunan, China, 410008.

4. Clinical Research Center for Respiratory Diseases in Hunan Province, Changsha, Hunan, China, 410008.

5. National Clinical Research Center for Geriatric Disorders, Xiangya Hospital, Central South University, Changsha, Hunan, China, 410008.