

Re: 85659

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors:

1. The authors reported that the immunohistochemical markers have high sensitivity and low specificity and therefore, it may be challenging to diagnose large-cell NEC, where false-positive results may occur. Post-operative ultrasound images or computed tomography should be added.

Response: Thanks for the comment. She has received debulking operation. Therefore, no pelvic organs were left. She received chemotherapy now, and no imaging study was performed. Thus, we don't have post-operative imaging studies.

2. P53 is a tumor suppressor gene, could you please explain why it is elevated in the neuroendocrine carcinoma of the endometrium concomitant with Lynch syndrome.

Response: Thanks for the informative instruction. However, our case expressed wild-type p53. We added a paragraph to discuss the meaning of elevated P53 in NEC.

"Previous studies have indicated that p53 mutations may be present in neuroendocrine carcinoma (NEC) of the endometrium[4,14,15]. p53 mutation in neuroendocrine carcinoma refers to a specific genetic alteration involving the p53 gene, which plays a critical role in regulating cell growth and preventing the formation of tumors. In normal circumstances, the p53 gene acts as a tumor suppressor gene, helping to prevent the development and progression of cancer. However, mutations in the p53 gene can disrupt its normal function, leading to the formation of tumors, including neuroendocrine carcinoma. In neuroendocrine carcinoma, p53 mutations can contribute to the uncontrolled growth and spread of neuroendocrine cells, leading to the development of aggressive and potentially metastatic tumors. In our case, the expression of wild-type p53 was observed."

3. Serum CA 125, CA19-9, and SCC, please correct to be Serum CA 125, CA19-9, and SCCA.

Response: Thanks for the suggestion. We revised it accordingly and appended it below.

"Serum CA 125, CA19-9, and SCCA were obtained with levels 27.2 U/mL (normal value: 35 U/mL), 15.1 U/mL (normal value: 35 U/mL), and 0.9 ng/mL (normal value: 1.5 ng/mL), respectively."

Reviewer #2:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Major revision

Specific Comments to Authors: There are 3 figure legends, however I can't find any figure itself. Please check it up again.

Response: Thanks for the comment. We have uploaded three figures.