

Answer the Reviewer #1 's question: In fact, we believe that the source of PMRC metastasis in this patient is most likely retrograde venous metastasis. Firstly, the mechanism of retrograde venous metastasis of PMRC is widely recognized in the academic community, as described in our article. Moreover, the pathological results of the patient showed that it was a poorly differentiated cancer of pT4. On the other hand, tumor cells were found in 13 of the 18 lymph nodes removed, which means that the possibility of lymph node metastasis cannot be ignored. And pelvic lymph nodes communicate with inguinal lymph nodes, which is a common way of rectal cancer.

Answer the Reviewer #3 's question: At present, the manuscript has been revised according to your comments. Thank you for your valuable comments.