1. Abstract: The abbreviation "MPMNs" ought to be initially delineated with its full terminology before subsequent employment. This measure aligns with conventional scholarly practices for enhancing textual clarity and comprehension.

Reply 1: Thank you for your advice.

According to your request, I have added the full English name of the relevant abbreviations of "MPMNs" in the abstract. Thank you again for your review comments and work.

Abstract:

Background: Minute Pulmonary Meningothelial-like Nodules (MPMNs) are rare benign pulmonary nodules, which are more common in elderly women and have a higher detection rate in lung tissues of patients with lung malignant diseases.

Background: Minute Pulmonary Meningothelial-line/Nodulise (MPMINs) are rare benign pulmonary nodules, which are more common in elderly women and have a higher detection rate in lung tissues of patients with lung mulignant discusse. Its origin is not yet clear. At present, there are few reports on the diagnostic methods such as imaging and pathological manifestations of MPMINs. This article reports a 70-year-old female patient with relationship and pathological manifestations of MPMINs.	Administer 植入了内容	301-0033 🔨 X
Cove summary: A 70-year-old women was admitted to our institution with feeling sour in her back and occasional cough for more than 2 months. Computerized electronic scanning (CT) scan and 3D reconstruction images in our institution showed there were multiple ground-glass notalies in both of her two langs. The biggest one was in the apicoposterior segment of left upper lobe; about 2.5×9mm in size. We performed thoracoscopic resoction of the left upper lang apicoposterior segment of the patient, and the final pathological report was minimally invasive adenocarcinoma. Re-examination of HRCT 21months after surgery showed multiple ground-glass nodules in both langs, and a new ground-glass nodule was found in the superior segment of the right lower lobe. We took pathological boops of the right upper lang and right lower lang nodeles for the patient ander thoracoscopy. The histomorphology of the right lower lobe nodule showed multiple lesions in the algorithm state, and the small foci in the alweolar segment was EMA (+), SSTR2a(+), S-100 (-), CgA (-), Syn (-), CK (-) and HMB-45 (-). The final diagnosis was minimally invasive adenocarcinoma.		

2. Case Presentation: The refinement of the visual representation within Figures 3 and 4 is warranted to align with a more sophisticated visual demeanor. The strategic inclusion of directional indicators, such as arrows, is advisable to facilitate the identification of salient points of interest. Moreover, the elucidation of the immunohistochemistry figures necessitates a heightened precision in description, conducive to the advancement of scholarly rigor.

Reply 2: Thank you for your advice.

According to your request, we have added relevant detailed content descriptions and directional indicators such as arrows in Figure 3 and Figure 4. Thank you again for your work and suggestions.



Figure 3: Histomorphological manifestation of right lower lobe nodule was the small foci in the abcolar septum were distributed in mild form of the aggregation of short spindle cells.



3. Conclusion Section: Regrettably, the omission of a conclusive segment diminishes the comprehensive closure that is quintessential to scholarly manuscripts. Integration of a structured conclusion would not only fortify the textual coherence but also provide a fitting summation of the insights garnered.

Reply 3: Thank you for your advice.

Conclusion

Through a comprehensive pathological diagnosis and immunohistochemical analysis of one case of Microscopic Pulmonary Meningotheliomatous Nodules (MPMNs), we delved into the characteristics of this rare condition. The results demonstrated a certain diversity in immunohistochemical markers for MPMNs, with CK7, TTF-1, and EMA playing crucial roles in pathological diagnosis. Literature review further supported our findings. In conclusion, the diagnosis and differential diagnosis of MPMNs remain challenging and require the integration of various clinical and immunohistochemical information to ensure accurate diagnosis and selection of treatment strategies. This study provides valuable insights and references for the clinical management of MPMNs.



4. Immunohistochemistry: The visual depictions presented evince a commendable level of quality, underscoring the visual impact of the immunohistochemistry outcomes. However, it is incumbent upon the authors to furnish a comprehensive account of the immunohistochemistry protocols employed, a detail that has regrettably been omitted. Addressing this lacuna is paramount for assuring the reproducibility and methodological transparency of the conducted research.

Reply 4: Thank you for your advice.

According to your request, we have supplemented the contents of the related program of immunohistochemistry, etc. Thank you again for your suggestion.

The immunohistochemistry experimental protocol for this project comprises the following key steps: sample fixation, dehydration, paraffin embedding, sectioning, antibody staining, and result analysis. Firstly, tissue samples are subjected to fixation, followed by dehydration and paraffin embedding to prepare paraffin sections. Subsequently, specific antibodies such as CK7, TTF-1, and EMA are used for staining, followed by microscopic observation and image recording. Finally, result analysis and pathological diagnosis are conducted based on the staining outcomes. Immunohistochemistry experiments are a crucial step in the study, utilized to identify immune markers, thereby supporting accurate disease diagnosis and classification.



5. Biomarker Selection Rationale: The criteria underpinning the authors' selection of specific biomarkers necessitates elucidation in accordance with the scholarly requisites. Delving into the rationale governing the biomarker selection process would engender a deeper comprehension of the scientific underpinnings that steer the study's investigative trajectory.

Reply 5: Thank you for your advice.

We have based on your suggestion and request in the discussion section of the basic distance principle of biomarker selection for complementary immunohistochemistry experiments, etc, and thank you again for your suggestion.

The immunohistochemistry markers selected for this project include CK7, TTF-1, and EMA, which play crucial roles in pathological diagnosis. CK7 is a cytokeratin commonly expressed in epithelial cells, particularly in tissues like the lung, stomach, and biliary tract, making it highly useful for determining the epithelial origin of tumor cells. TTF-1 (Thyroid Transcription Factor-1) is a nuclear transcription factor, highly expressed in normal lung tissue, and frequently found in lung adenocarcinomas, aiding in distinguishing lung cancer from other malignancies. EMA (Epithelial Membrane Antigen) is a membrane-bound antigen specific to epithelial cells, providing valuable assistance in confirming epithelial lesions. The selection of these immunohistochemistry markers is based on their specific expression in lung and epithelial cells, aiding in the identification and classification of microscopic pulmonary meningotheliomatous nodules (MPMNs). Immunohistochemistry experiments rely on the specificity of these markers, assisting in determining pathological types, guiding treatment strategy selection, and providing critical insights into disease progression and prognosis. Therefore, immunohistochemistry plays an indispensable role in MPMN pathological diagnosis, enhancing diagnostic accuracy and precision in clinical management.

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The diagnosis of MPMNs needs to review of MPMNs immunohisticher immunohistichernically showed positive of fifthicher and the state of the state) he confirmed by immunohistochemistry. Table 1 shows the liter istry[4-8, 10, 13, 18-21]. We can see that almost all MP responses to Vimentin, EMA, SSTR-2a, and CD56, and more that menture for \$\000 CK_Action 10MB 45 Source(Cm_ErrNS) they	rature PMNs n half	Administer Bill 7 (199) Administer Bill 7 (199)	