

Clinical Image

Minute Pulmonary Meningothelial-like Nodules

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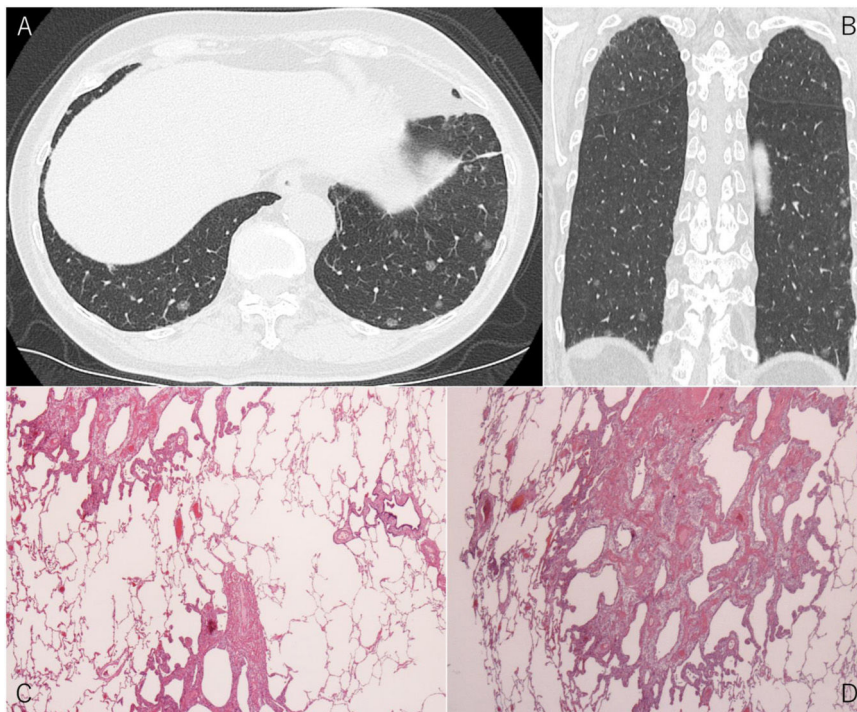


Fig. 1. Chest computed tomography (A: axial, B: coronal) showed multiple GGOs predominantly in the bilateral lower lobes with obscured margins, and histopathology (C: low, D: high magnification) revealed thickened alveolar walls with proliferating tumor cells.

A 78-year-old woman presented with hematuria and was diagnosed with bladder cancer after transurethral resection of the tumor. She had no other medical history and was a non-smoker. Physical and laboratory findings were unremarkable. During a systemic evaluation, chest computed tomography (CT) revealed multiple ground-glass opacities (GGOs) predominantly in the bilateral lower lobes with obscured margins (Fig. 1A and B). A follow-up CT after three months showed no changes, prompting video-assisted thoracoscopic surgery of the left lower lobe. Histopathological examination with hematoxylin and eosin staining (Fig. 1C and D) showed thickened alveolar walls with tumor cells forming a nested, meningioma-like structure. Immunohistochemistry showed positivity for EMA, PgR, vimentin, and CD56, confirming a diagnosis of minute pulmonary meningothelial-like nodules (MPMN). The patient remains stable under follow-up. MPMN is a rare benign meningeal epithelial-like proliferative lesion, often detected incidentally on chest CT as small GGOs, nodules, or ring-shaped lesions, making it one of the differential diagnoses for multiple GGOs, mainly in women around their 60s. It may coexist with respiratory diseases but can also occur independently.^{1,2} Diagnosis often requires lung biopsy, and careful follow-up is essential.

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CRediT Authorship Contribution Statement

F.K. interpreted the data and drafted the original manuscript. F.K. and N.K. were responsible for data curation. All authors have reviewed and approved the final version of the manuscript.

Patient Consent

Obtained (Institutional Review Board approval was not required for case report. Instead, a consent form was obtained).

Ethical Statement

We confirm that no animals were involved in this study. Written informed consent was obtained from the patient for the publication of this case report and accompanying images.

Verification

All the authors have seen the manuscript and agree to the content and data. All the authors played a significant role in the paper.

Declaration of Generative AI and AI-assisted Technologies in the Writing Process

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Conflict of Interest

The authors have no conflicts of interest to declare.

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