Supplementary Material

A 72-year-old Woman with Dyspnea and Pulmonary Artery Filling Defects on CT angiogram

Wei Qin, MD\textsuperscript{1,2}\*, Ziyang Zhu, MD\textsuperscript{1,2}\*, Qiong Liu, MD\textsuperscript{3}\*, Shi Chen, MD\textsuperscript{1,2}, Fajiu Li, MD\textsuperscript{1,2}\#

MD\textsuperscript{1,2}\#, Chenghong Li, MD\textsuperscript{1,2}

\*Drs Qin, Zhu, and Liu contributed equally to this article.

Affiliations:

1. Department of Pulmonary and Critical Care Medicine, Affiliated Hospital of Jianghan University;
2. Institution of Pulmonary Vascular Disease, Jianghan University;
3. Department of Pathology, Affiliated Hospital of Jianghan University.

\#Corresponding Author:

Fajiu Li, M.D., Department of Pulmonary and Critical Care Medicine, Affiliated Hospital of Jianghan University, Wuhan, China; Institution of Pulmonary Vascular Disease, Jianghan University. Address: No.168 Hongkong Road, Jiang'an District, Wuhan City, Hubei Province, China. 430000. Tel: +8618627933943, 2648201309@qq.com.
**Fig S1.** Immunohistochemical results showed positive for CD 31 (A) and pan-cytokeratin (B), partially positive for S-100 (C), and a low calretinin positivity of 1% to 2% (D), and negative for cytokeratin 5/6 (E). (Original magnification, × 100.)
Fig S2. Cardiac ultrasound revealed a large mass in the right atrium extending past the tricuspid valve into the right ventricle and was beating with the blood flow, this was never observed in any previous cardiac ultrasound examinations.
**Figure S3.** Angiography of abnormal left and right co-trunk bronchial artery.
Figure S4. Angiography of the right abnormal co-trunk bronchial and intercostal arteries.
Fig S5. Pathology confirmed the diagnosis of atrial myxoma.
**Figure S6.** The timeline between the echo, CT, angiography at baseline, and follow-up. Abbreviations: CTPA, Pulmonary artery computed tomographic angiography; BAE, Bronchial artery embolization.

| Date       | April 27, 2022 | May 1, 2023 | June 15, 2023 | June 29, 2023 | July 2, 2023 |
|------------|---------------|------------|--------------|--------------|-------------|
| Days since first-time admission | 1             | 5          | 50           | 64           | 65          |
| Echocardiography | Yes           |            |              |              | Yes         |
| CTPA       | Yes           |            |              |              |             |
| Vascular intervention | Percutaneous transarterial balloon angioplasty |            |              |              | BAE         |
| Anticoagulation | Start LMWH use |            |              | Start Rivaroxaban use | No |
| Key events | Admitted      | Discharged | Stopped      | Admitted     | Transferred to cardiac surgery |