PULMONARY
INTERESTING CASE #1

36-year-old woman presenting with hemoptysis

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What is the diagnosis?

A. Carcinosarcoma  
B. Classic biphasic pulmonary blastoma  
C. Fetal adenocarcinoma  
D. Metastatic malignant mixed Müllerian tumor
Classic Biphasic Pulmonary Blastoma

• **Clinical**: Rare subtype of NSCLC with a poor prognosis. They usually present in the 4th decade as a large lung mass with hemoptysis, dyspnea, and often have metastases at presentation.

• **Imaging**: Large, solitary, well-circumscribed lesion with necrosis.

• **Histology**: Biphasic tumor with malignant immature epithelial and mesenchymal components. The malignant glandular component has subnuclear vacuoles resembling first trimester fetal lung. The sarcomatous component has primitive blastematous features and squamous morules. Heterologous elements may be present.

• **Ancillary studies**: Keratin+, TTF-1+, β-catenin+ (nuclear). *CTNNB1* mutations are common.