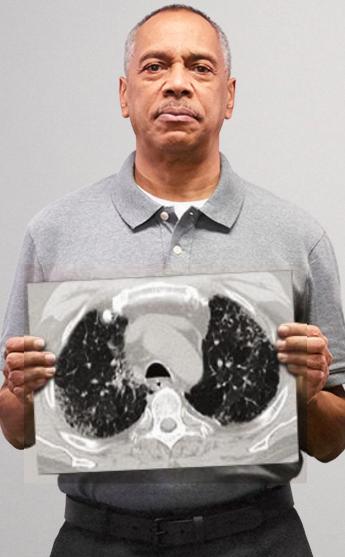
## WHEN PULMONARY FIBROSIS IS SUSPECTED,

# WHAT'S NEXT FOR ROBERT?



### **CLINICAL EVALUATION:**

- 68-year-old male presenting with worsening dyspnea and unexplained weight loss<sup>1</sup>
- Inspiratory crackles on lung auscultation<sup>1</sup>
- Restrictive pattern on PFTs<sup>2,3</sup>
- Positive HP panels with precipitating antibodies against mold<sup>4</sup>
- Broncho-alveolar lavage lymphocytes >50%<sup>4</sup>

#### **RADIOLOGIC FINDINGS:**

- Fibrotic ILD confirmed by HRCT<sup>1</sup>:
  - Areas of mosaic lung attenuation on inspiratory image are confirmed to be air trapping on expiratory images
  - -Peripheral reticulation; no honeycombing
  - -Ground glass opacity present
  - Upper and lower lobe involvement

Treated for chronic hypersensitivity pneumonitis (cHP) with removal of exposure (mold) and corticosteroid<sup>4</sup>

### **3-MONTH FOLLOW-UP:**

- Dyspnea continues to worsen despite removal of inciting exposure and treatment with corticosteroid for 3 months<sup>2</sup>
- PFTs have declined<sup>2</sup>:

5% decrease in FVC % predicted 3% decrease in  $DL_{co}$  % predicted

Lung function decline and worsening respiratory symptoms are indicators of progressive disease<sup>5</sup>

cHP, chronic hypersensitivity pneumonitis;  $\rm DL_{co},$  diffusing capacity of the lungs for carbon monoxide; FVC, forced vital capacity; HP, hypersensitivity pneumonitis; HRCT, high-resolution computed tomography; ILD, interstitial lung disease; PFTs, pulmonary function tests.

**Despite removal of the inciting exposure and immunosuppressive therapy, lung function has declined and fibrotic ILD is detected.**<sup>2</sup>

WHAT IS THE NEXT STEP IN ROBERT'S DISEASE MANAGEMENT PLAN?

## ~1 IN 4 PATIENTS WITH ILD MAY DEVELOP A PROGRESSIVE PHENOTYPE6\*

#### THE INSIDIOUS THREAT OF PULMONARY FIBROSIS CROSSES DIVERSE ILDs<sup>5,7,8</sup>

- Idiopathic pulmonary fibrosis
- Systemic sclerosis-associated ILD
- Rheumatoid arthritis-associated ILD
- Other connective tissue disease-associated ILDs
- Hypersensitivity pneumonitis
- Occupational exposure-related ILDs

- Idiopathic nonspecific interstitial pneumonia
- Unclassifiable interstitial pneumonia
- Sarcoidosis

#### SIMILAR TO IPF, SOME ILDs CAN DEVELOP A PROGRESSIVE FIBROSING PHENOTYPE CHARACTERIZED BY<sup>5,8</sup>:

Worsening respiratory symptoms



Accelerated decline in lung function



Worsening quality of life



EARLY IDENTIFICATION OF ILD IS CRITICAL



#### EARLY IDENTIFICATION OF PROGRESSIVE PULMONARY FIBROSIS CAN HELP ENSURE PATIENTS RECEIVE APPROPRIATE INTERVENTION TO SLOW PROGRESSION<sup>5</sup>

\*Data from a global, online survey of physicians (n=486).6

IPF, idiopathic pulmonary fibrosis.

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