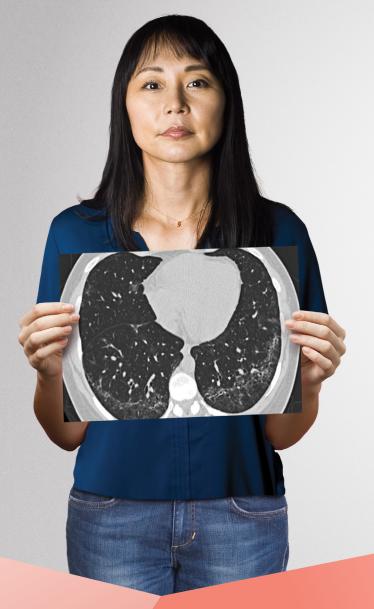
# WHEN PULMONARY FIBROSIS IS SUSPECTED,

## WHAT'S NEXT FOR ANN?



## **MEDICAL HISTORY:**

- 40-year-old Asian woman<sup>1-3</sup>
- Diagnosed with mixed connective tissue disease 15 years ago<sup>1,4</sup>
- Current smoker<sup>3</sup>
- History of tachycardia¹
- Current treatments: beta blocker, NSAID, immunosuppressant<sup>5</sup>

## **CLINICAL EVALUATION:**

- Dyspnea<sup>1</sup>
- Dry inspiratory crackles at the lung bases¹
- Reduced PFTs with restriction¹

## **RADIOLOGIC FINDINGS:**

- Fibrotic ILD confirmed by features consistent with an NSIP pattern<sup>1</sup>:
  - -Subpleural sparing
- -Bilateral ground glass opacity with reticulation

Diagnosis: mixed connective tissue disease-associated ILD<sup>1</sup>

## **MONITORING:**

- Lung function declined over 6 months³
- Respiratory symptoms worsening<sup>3</sup>

8% decrease in FVC % predicted<sup>3</sup> 2% decrease in DL<sub>co</sub> % predicted<sup>3</sup>

Declining lung function and worsening symptoms are signs of progressive disease<sup>3</sup>

DL<sub>co</sub>, diffusing capacity of the lungs for carbon monoxide; FVC, forced vital capacity; HRCT, high-resolution computed tomography; ILD, interstitial lung disease; MCTD, mixed connective tissue disease; NSAID, nonsteroidal anti-inflammatory drug; NSIP, nonspecific interstitial pneumonia; PFT, pulmonary function test.

Fibrotic ILD is detected and symptoms and lung function are worsening despite immunomodulatory therapy.5

WHAT IS THE NEXT STEP IN ANN'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>7-9</sup>

- Idiopathic pulmonary fibrosis (IPF)
- 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 ILD
- Sarcoidosis

## SIMILAR TO IPF, SOME ILDs CAN DEVELOP A PROGRESSIVE FIBROSING PHENOTYPE CHARACTERIZED BY8,9:



Worsening respiratory symptoms



Accelerated decline in lung function



Worsening quality of life



**Early mortality** 

#### EARLY IDENTIFICATION OF ILD IS CRITICAL

Observe for respiratory symptoms10:

Listen for11,12:

Order baseline PFTs and monitor regularly<sup>10</sup>: **Order HRCT if ILD** is suspected<sup>10,13</sup>:



Cough



Dry inspiratory crackles, typically at the lung bases



**Restrictive PFT** 



Presence of fibrotic ILD



Dyspnea



## EARLY IDENTIFICATION OF PROGRESSIVE PULMONARY FIBROSIS CAN HELP ENSURE PATIENTS RECEIVE APPROPRIATE INTERVENTION8

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

HRCT, high-resolution computed tomography; IPF, idiopathic pulmonary fibrosis.

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