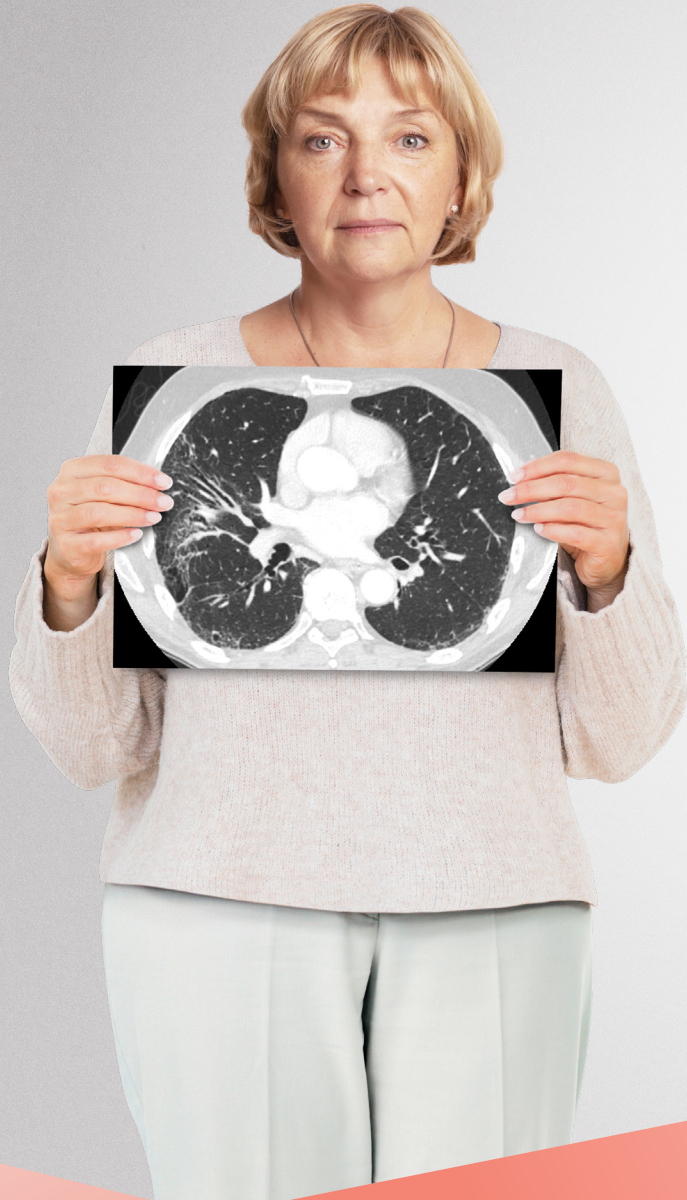


WHEN PULMONARY FIBROSIS IS SUSPECTED, WHAT'S NEXT FOR LISA?



MEDICAL HISTORY:

- 50-year-old Caucasian woman^{1,2}
- Diagnosed with polymyositis 3 years ago^{1,2}
- High levels of anti-Jo-1 antibodies³
- Current treatment: immunosuppressant and corticosteroid^{2,4,5}

Presence of anti-Jo-1 indicates an increased risk of ILD in patients with myositis³

CLINICAL EVALUATION:

- Development of pulmonary symptoms: dyspnea, cough⁴⁻⁶
- Dry inspiratory crackles at the lung bases, pneumonia-like symptoms⁶
- Reduced PFTs with restriction^{4,6}

RADIOLOGIC FINDINGS:

- Fibrotic ILD confirmed by features consistent with a UIP-like pattern^{4,6,7}
 - Reticulation
 - Bilateral traction bronchiectasis

Diagnosis: myositis-associated ILD^{3,6}

MONITORING:

- Lung function declined over 6 months⁴

10% decrease in FVC % predicted⁴

5% decrease in DL_{co} % predicted⁴

Declining lung function is a sign of progressive disease⁵

DL_{co}, diffusing capacity of the lungs for carbon monoxide; FVC, forced vital capacity; ILD, interstitial lung disease; PFTs, pulmonary function tests; UIP, usual interstitial pneumonia.

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

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

~1 IN 4 PATIENTS WITH ILD MAY DEVELOP A PROGRESSIVE PHENOTYPE^{8*}

THE INSIDIOUS THREAT OF PULMONARY FIBROSIS CROSSES DIVERSE ILDs^{7,9,10}

- 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 BY^{9,10}:



Worsening respiratory symptoms



Accelerated decline in lung function



Worsening quality of life



Early mortality

EARLY IDENTIFICATION OF ILD IS CRITICAL

Observe for respiratory symptoms¹¹:

Listen for^{12,13}:

Order baseline PFTs and monitor regularly¹¹:

Order HRCT if ILD is suspected^{11,14}:



Cough



Dry inspiratory crackles, typically at the lung bases



Restrictive PFT



Presence of fibrotic ILD



Dyspnea



Reduced DL_{co}

EARLY IDENTIFICATION OF PROGRESSIVE PULMONARY FIBROSIS CAN HELP ENSURE PATIENTS RECEIVE APPROPRIATE INTERVENTION⁹

*Data from a global, online survey of physicians (N=486).⁸

HRCT, high-resolution computed tomography.

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