Time to diagnosis of idiopathic pulmonary fibrosis in the IPF-PRO[™] Registry

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INTRODUCTION

- Idiopathic pulmonary fibrosis (IPF) is a progressive interstitial lung disease with a poor prognosis.¹
- Delays in the diagnosis of IPF have been reported,²⁻⁴ but patient characteristics associated with diagnostic delays are not well described.
- The Idiopathic Pulmonary Fibrosis Prospective Outcomes (IPF-PRO) Registry (NCT01915511) is an observational registry of patients with IPF involving over 40 sites across the US.⁵

AIM

To investigate the time from symptom onset and from first imaging evidence of pulmonary fibrosis to diagnosis of IPF, and patient characteristics associated with a longer time to diagnosis.

METHODS

- Data were analyzed from patients who:
- Had been enrolled in the IPF-PRO Registry between 5 June 2014 and 11 March 2019
- Had not been diagnosed with IPF prior to referral but received a new diagnosis of IPF at the enrolling center
- Had a documented date in their medical records for symptom onset and/or HRCT scan showing pulmonary fibrosis.
- Patients were categorized as having a longer (>1 year) or shorter (≤1 year) time from symptom onset, and from first imaging evidence of pulmonary fibrosis, to diagnosis of IPF.
- Patient characteristics at enrollment, and time from enrollment to death or lung transplant, were compared between patients with longer (>1 year) versus shorter (≤ 1 year) times to diagnosis of IPF.

CONCLUSIONS

- Among patients who received their first diagnosis of IPF at an enrolling center in the IPF-PRO Registry: - Approximately 50% had a delay of >1 year between symptom onset and diagnosis of IPF
- Approximately 80% were diagnosed with IPF within a year of imaging evidence of pulmonary fibrosis
- Cardiac conditions were more frequent in patients with a time to diagnosis >1 year.
- Despite improved awareness of IPF, there remains a long period from symptom onset to diagnosis in a large proportion of patients. Getting an HRCT scan performed is a critical step in the diagnostic process.

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IPF-PROTM Registry enrolling centers: Albany, Medical Center, Albany, NY; Baylor College of Wedical Center, New York, NY; Duke University Medical Center, Durham, NC; Froedtert & The Medical Center, Albany, NY; Baylor College of Wisconsin Community Physicians, Milwaukee, WI; Houston Methodist Lung Center, Houston, TX; Lahey Clinic, Burlington, MA; Loyola University Health System, Maywood, IL; Lynchburg, VA; Medical University of South Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Healthcare, Austell, GA; Pulmonary Associates of South Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Healthcare, Austell, GA; Pulmonary Associates of South Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Healthcare, Austell, GA; Pulmonary Associates of South Carolina, Charleston, SC; National Jewish Health Carolina, Charleston, SC; NYU Medical Center, New York, NY; Piedmont Health Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Health Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Health Carolina, Charleston, SC; National Jewish Health Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Health Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Health Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Health Carolina, Charleston, SC; NYU Medical Center, New York, NY; Piedmont Health Center, New York, NY; Piedmont Hea Stamford. Stamford. CT: PulmonIx LLC. Greensboro. NC: Renovatio Clinical. The Woodlands. TX: Salem Chest and South Miami, FL; St. Joseph's Hospital, Phoenix, AZ; Stanford University, Philadelphia, PA; The Oregon Clinic, Portland, OR; Tulane University, New Orleans, LA; UNC Chapel Hill, Chapel Hill, NC; University of California Los Angeles, CA; University of California, Davis, Sacramento, CA; University of California, Davis, Sacramento, CA; University of California, Davis, Sacramento, CA; University of California Los Angeles, CA; University of Chicago, IL; University of Minnesota, Minneapolis, MN; University of Pennsylvania, Philadelphia, PA; University of Pittsburgh, PA; University, Winston Salem, NC; Washington University, St. Louis, MO; Weill Cornell Medical College, New York, NY; Wilmington Health and PMG Research, Wilmington, NC; Yale School of Medicine, New Haven, CT.

RESULTS



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