



Project ECHO for Interstitial Lung Disease Case Form

ECHO ID: ILDECHO-061	⊠ New Case	□ Follow-up Case
Current or suspected ILD diagnosi	s (if known): Hypers	ensitivity Pneumonitis
How was this diagnosis mad	de (select all that app	oly)?
⋈ Radiology		
□ Pathology		
☐ Multidisciplinary discussion	on	
Main Question:		
By presenting this case, I hope to	obtain:	
☐ Help making a diagnosis	⊠ Help with la	ab/test interpretation
⋈ Help with clinical management		
○ Other (please specify): Get input VATS biopsy, how to determine if be indicated.	_	_
Patient Demographic Informat	ion:	
☐ Male ☐ Female ☐ Transgender	Age (years): 69
State of primary residence: MA		
Ethnicity: □ Hispanic or Latino ⊠	Not Hispanic or Lati	no
Race (check all that apply): ☐ An	nerican Indian or Ala	skan Native □ Asian
☐ Black or African American ☐ N	ative Hawaiian/Pacif	ic Islander 🛛 White
□ Other □ Unknown		

Case Summary:

69 y/o presented in October 2023 with 2 months of productive cough and SOB. Treated for pneumonia without improvement despite 3 course of antibiotics.





Eventually improved on ICS/LABA. Chest CT showed multifocal upper lobe predominant GGO with questionable bronchiectasis suggestive of HP.

02/2024: Bronchoscopy without secretions and BAL c/w HP.

03/2024: ≥ 2 month prednisone taper with less cough and SOB. Worse off prednisone with night sweats and fatigue.

06/2024: VATS Bx c/w HP. Resumed slow prednisone taper x 6 months along with farm avoidance (same house with carpetting).

Off prednisone continues to feel poorly. F/U testing ordered and pending. Presumed Bacterial pneumonia March 2025.

Exposure History:			
$\hfill\Box$ Previous or current bird ownership $\hfill\Box$ Down products in the home			
\square Woodworking \square Well water \boxtimes Hay exposure \square Hot tub/jacuzzi/sauna			
\square Humidifiers \square Dusty environments \boxtimes Water damage or mold at work or home			
oximes Farmland/barns $oximes$ Amiodarone $oximes$ Chemotherapy past/present			
☐ Chest radiation past/present ☐ Asbestos			
Past Medical History:			
Allergic Rhinitis on SCIT; Eczema; GERD on PPI; Osteopenia; Recurrent herpes			
Medications:			
Allergy Immunotherapy (maintenance); Fluticasone NS; Cetirizine; Omeprazole; Valcyclovir; Wixela 250-50mcg; Calcium/ Vit D / Magnesium / Vit E; Probiotic; Numerous supplements (collagen, Stim Vegetable caps, lipid)			
Focused ROS:			
\square Rashes \square Skin thickening \square Arthralgias \square Myalgias \square Muscle weakness			
\square Dry mouth \square Dry eyes \square Red or painful eyes \square Raynaud s \square Oral ulcers			
\square Alopecia \square Dysphagia \boxtimes Heartburn/reflux \square Fevers \boxtimes Night sweats			
□ Palpitations □ Weight loss			





Smoking History:	
□ Current smoker (packs per day)	
Pack years: Quit date (if applicable):	
□ Cocaine use (route)	
□ Vaping/e-cigarettes (frequency)	
☐ Inhaled marijuana (quantity)	
Occupations, current and previous (if industrial or factory work provide specific details):	r, please
Runs a beef cattle farm and manages rental property.	
Travel and Residential History:	
Symptoms started after camping outdoors at a lake in VT. No relavant Exposures: "Earth shelter house" and hay.	travel.
Family History:	
☐ Pulmonary fibrosis or interstitial lung disease	
$\hfill\square$ RA, Lupus, or other \hfill autoimmune diseases"	
\square Premature gray hair \square Cirrhosis of the liver \square Bone marrow disor	ders
□ Leukemias	
Comments: None significant	
Physical Exam:	
Vital signs:	
BP: 120/75 Height: 160 cm Wt: 62 kg BMI: 24	
Oxygen saturation: 98% Ambulatory saturation:	
HEENT:	
\square Scleral injection \square Dry mucous membranes \square Poor dentition \square	Ptosis





Pulmonary:		
□ Wheezes □ Rhonchi □ Crackles		
\square Squeaks \square Stridor \square Dullness to percussion \square Pleural Rub		
☐ Bronchial breath sounds		
□ Other: Clear breath sounds		
Cardiac:		
□ Murmur □ Gallop		
\square RV heave \square Pulmonary tap \square JVD \square Irregular		
□ Edema □ Other:		
Abdomen:		
\Box Distended \Box Tender \Box Tympanitic \Box Pulsatile liver \Box Fluid wave		
□ Other:		
Skin/Nails:		
☐ Rash (location, description)		
□ Clubbing □ Ragged cuticles □ Telangiectasias		
☐ Abnormal nailfold capillaroscopy		
□ Digital swelling / Sclerodactyly □ Ulcerations		
□ Mechanic s hands		
Joints:		
☐ Synovitis ☐ Deformity ☐ Tenderness ☐ Erythema		
Neuro:		
□ Proximal muscle weakness		
□ Other:		
Other pertinent findings:		
Unremarkable physical exam		





Relevant Studies (please list key findings):

	02/2024	05/2024	10/2024
FVC	2.33 (88%)	2.45	2.70
FEV1	1.82 (88%)	1.79	2.03
FEV1/FVC	78%	73%	75%
DsbHb	12.4 (67%)	14.0	14.4
TLC	4.05 (84%)	3.81	4.35

⊠ CXR	Uploaded to Ambra: $oxtimes$ Yes \oxtimes No
	Uploaded to Ambra: $oxtimes$ Yes \oxtimes No
□ Echocardiogram	Uploaded to Ambra: \square Yes \square No
☐ Right heart catheteriz	ation:
☐ Other relevant testing):
Barium Swallow 03/202	4: unremarkable.
BAL: 31% / 29% lymph	NL airway exam except fish-mouth opening at RML. s: CD4/CD8 ratio 0.34 / 0.26. mold from BAL (unable to identify)
Relevant Labs:	
Has the patient been ev	aluated by a Rheumatologist? \square Yes \boxtimes No
Date of last labs (month	/year): 02/2025
CBC/differential: Norma	I
ANA: □ Neg □ Titer 1:	40 Pattern homogeneous
ANA #2: □ Titer	Pattern
ANA #3: □ Titer	Pattern
Smith: ⊠ Neg □ Titer	
SSA/Ro60: ⊠ Neg □ T	iter
SSB/La: ⊠ Neg □ Tite	-

ILD Collaborative



dsDNA: ⊠ Neg □ Titer		
Scl-70: ⊠ Neg □ Titer		
Centromere: ☐ Neg ☐ Titer		
RNA polymerase III: \square Neg \square Titer		
RNP: ⊠ Neg □ Titer		
RF: ⊠ Neg □ Titer		
CCP: □ Neg □ Titer		
ANCA: ⊠ Neg □ Titer Pattern		
MPO: □ Neg □ Titer		
PR3: □ Neg □ Titer		
PM1-Scl: ⊠ Neg □ Titer		
Ro52: □ Neg □ Titer		
Jo-1: ⊠ Neg □ Titer		
EJ: ⊠ Neg □ Titer		
OJ: ⊠ Neg □ Titer		
PL-7: ⊠ Neg □ Titer		
PL-12: ⊠ Neg □ Titer		
MDA5: ⊠ Neg □ Titer		
KU: ⊠ Neg □ Titer		
MI-2: ⊠ Neg □ Titer		
P155/140 (TIF1y): ⊠ Neg □ Titer		
NXP-2: ⊠ Neg □ Titer		
SRP: ⊠ Neg □ Titer		
SAE-1: □ Neg □ Titer		
HP panel: ⊠ Neg □ Pos		
C3/C4: □ WNL ⊠ Low		
ESR: 12		
CRP: < 3.0		





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Aldolase:

ACE:

Urinalysis:

Additional Comments:

sIL2-R: 2500 (nl <900)

IgG low (521), IgM low (35), IgA low (59)

SPEP - negative

VATS Bx 06/2024: c/w HP.

BAL and tissue culture both grew two colonies of FUNGI: Irpex lacteus

Questions:

- 1) Are there hints from the pathology suggesting ongoing antigen exposure?
- 2) What is the relevance of the Irpex lacteus isolated from the BAL and VATS tissue culture?
 - a) Is there a way of testing if the Irpex lacteus is immunologically activating?
 - b) Is there a role for treating the Irpex lacteus with antifungal therapy?
- 3) Are there home assessments reliable to permit her to stay in her current house?