

Table S1. Results of investigations for cases and their controls^a

Pathology test	Cases (n=80)	Controls (n=160)	P Value
Strongyloides ^b No. (%)	31 (38.8)	32 (20.0)	0.001
Eosinophilia ^c	21 (26.3)	46 (28.8)	0.684
<i>Sputum cultures</i> ^d , Median (IQR)	1 (0, 4)	0 (0, 2)	<0.001
Yield ^e - mean (SD)	0.45 (0.49)	0.26 (0.47)	<0.001
<i>Streptococcus pneumoniae</i> – mean (SD)	0.54 (1.31)	0.20 (0.54)	0.041
<i>Haemophilus influenzae</i> – mean (SD)	1.81 (3.59)	0.44 (1.01)	<0.001
<i>Mycobacterial cultures</i> ^f (N, %)	15 (18.8)	8 (5.0)	0.001
NTM ^g	6 (7.5)	1 (0.6)	0.003
TB	2 (2.5)	2 (1.3)	0.476
<i>Blood cultures</i> , Mean (SD)			
All BSI	0.54 (1.04)	0.30 (0.98)	0.022
<i>Streptococcus pneumoniae</i>	0.21 (0.65)	0.06 (0.33)	0.020
<i>Haemophilus influenzae</i>	0.05 (0.22)	0.02 (0.18)	0.083
<i>Echocardiograph</i> ^h (N, %)	N=55	N=71	
Dilated RV	18 (32.7)	4 (5.6)	<0.001
Tricuspid Regurgitation	16 (29.1)	7 (9.9)	0.006
Pulmonary Hypertension	23 (41.8)	9 (12.7)	<0.001

Legend S1.

- a. With the exception of echocardiography, all data are from date of first admission to date of diagnosis for cases and to date of recruitment for controls.
- b. Strongyloides seropositive or in stool at any time. Cases: Strongyloides seropositive, 30; larvae in stool, 3. Controls: Strongyloides seropositive, 30; larvae in stool, 7.
- c. Peripheral blood eosinophilia recorded at least twice over a twelve month period.
- d. Data for cases are from date of first admission to date of diagnosis.
- e. The number of pathogens isolated divided by the number of sputum cultures taken
- f. More than 3 adequate Mycobacterial cultures taken prior to diagnosis
- g. Non-tuberculous mycobacteria were isolated from six cases prior to diagnosis including a novel species that could not be identified together with a scotochromogenic mycobacterium, *Mycobacterium avium* complex in a patient with pulmonary TB and *Mycobacterium simiae* (isolated once from one subject and twice from another). Mycobacteria were not identified to species level in two cases from which an NTM was isolated only once.
- h. Echocardiography available for 126 patients (55 cases, 71 controls). Percentages expressed as proportions of each group reporting echocardiography results

Abbreviations: BSI, blood stream infection; NTM, non-tuberculous mycobacteria; RV, right ventricle; TB, tuberculosis.

Table S2.**Results of bronchiectasis-related investigations according to HTLV-1 status**

	HTLV-1 Pos (n=42)	HTLV-1 Neg (n=38)	P value
<i>Chest HRCT</i>	41 (97.6)	37 (97.4)	
Radiological Abnormality Scores			
Total all lobes score, Mean (SD)	16.8 (9.3)	16.3 (10.5)	0.652
Total BE score, Mean (SD)	5.5 (4.1)	5.5 (4.3)	0.992
Total wall thickening, Mean (SD)	4.5 (3.2)	3.7 (2.7)	0.288
Total Cystic score, Mean (SD)	1.2 (1.5)	1.1 (1.3)	0.983
Total GG, Mean (SD)	1.2 (1.4)	1.3 (1.6)	0.996
Total Emphysema score, Mean (SD)	2.8 (2.3)	3.2 (2.2)	0.542
Bilateral disease, N (%)	22 (52.4)	22 (57.9)	0.606
<i>Echocardiography^a</i> N (%)	28 (66.7)	27 (71.1)	
Dilated Right ventricle	10 (35.7)	8 (29.6)	0.631
Tricuspid Regurgitation	7 (25.0)	9 (33.3)	0.496
Pulmonary Hypertension	11 (39.3)	12 (44.4)	0.698
<i>Spirometry^b</i>	21 (50)	17 (44.7)	
FEV1 – Mean (SD)	1.1 (0.5)	1.1 (0.5)	0.942
FEV1 % predicted – Mean (SD)	38.4 (19.4)	33.2 (13.4)	0.3443
FEV1<1L – n (%)	9 (42.9)	9 (52.9)	0.536
FVC – Mean (SD)	1.8 (0.6)	1.7 (0.5)	0.837

FVC % predicted	47.9 (15.9)	43.1 (11.5)	0.3100
FEV1/FVC – Mean (SD)	64.5 (15.7)	64.3 (16.8)	0.953
Sputum Yield – Mean (SD)	0.5 (0.6)	0.6 (0.4)	0.110
Strongyloides seropositive at recruitment	7 (18.4)	6 (14.6)	0.083
Immunology			
ANA positive ^c No. (%)	4 (9.8)	2 (5.6)	0.679
ENA positive ^d No. (%)	1 (2.4)	0 (0.0)	1.000
RF > 12 (IU/ml) No. (%)	9 (21.4)	6 (15.8)	0.370
Immunoglobulins (IU/ml) mean (SD)			
IgA	4.8 (1.5)	5.3 (2.4)	0.414
IgM	1.7 (3.1)	1.3 (1.0)	0.697
Total IgG	21.3 (6.4)	20.3 (6.5)	0.675
IgG1	14.8 (4.2)	13.7 (5.0)	0.365
IgG2	5.3 (2.3)	5.6 (2.9)	0.912
IgG3	1.2 (0.4)	1.2 (0.6)	0.903
IgG4	0.5 (0.5)	0.6 (0.6)	0.219
Increased IgE, No. (%)	26 (61.9)	26 (68.4)	0.348
Aspergillus Precipitins positive	3 (7.1)	1 (2.6)	0.383
Alpha1AT deficiency	0	0	

Table S2 Legend

a. Echocardiography available for n=55 cases (28 HTLV-1 positive, 27 negative). Percentages expressed as proportions of each group reporting echocardiography results

b. Spirometry available for n=38 cases (21 HTLV-1 positive, 17 negative). Percentages expressed as proportions of each group reporting spirometry results

c. ANA available for n=77 cases (41 HTLV-1 positive, 36 negative). Percentages expressed as proportions of each group reporting ANA results

d. ENA available for n=75 cases (41 HTLV-1 positive, 34 negative). Percentages expressed as proportions of each group reporting ENA results

Abbreviations: ANA, anti-nuclear antibodies; BE, bronchiectasis; ENA, extractable nuclear antigens; FEV1, forced expiratory volume 1 second; FVC, forced vital capacity; GG, ground glass opacity; HRCT, high resolution computed tomography; Ig, immunoglobulin; RF, rheumatoid factor.