

Supplementary Table 2: Bronchoscopy and bronchoalveolar lavage (BAL) indications, characteristics and other relevant investigations for selected cases.

Subject	Indications of BAL	BAL characteristics	Other investigations
8	Disease onset after attack of severe unresolving pneumonia (suspicion of fungal/mycobacterial infection)	<ul style="list-style-type: none"> - Gross appearance: Minimal mucosal inflammation - Cell count: 4 (x10⁴)/mL - Macrophage (%):40, Lymphocytes (%):55, neutrophil (%):5 - Absent eosinophils - Gram stain & ZN stain: negative - Bacterial, mycobacterial, viral and fungal C&S: No growth 	<ul style="list-style-type: none"> - EBV, CMV & HIV serology: negative - Immune function studies: normal - Autoantibodies (ANA, anti-dsDNA & ANCA): negative
17	Recurrent attacks of haemoptysis with two admissions for blood transfusion for severe microcytic anemia	<ul style="list-style-type: none"> - Gross appearance: Mild hyperaemic mucosa, rusty secretions arising from the RML, LUL & LLL - Cell count: 4 (x10⁴)/mL - Neutrophils (%):4, Lymphocytes (%):10, Macrophages (%): 85; Many RBCS - Cytology: HLM constitutes > 60% of BAL cells - Eosinophils, Lipid laden macrophages: absent - Gram stain & ZN stain: negative - Bacterial, mycobacterial, viral and fungal C&S: No growth 	<ul style="list-style-type: none"> - HB:6.7 g/dL (microcytic, hypochromic anemia), platelet count:493 (10³/uL) - Serum ferritin & TIBC: normal - Coagulation profile, LFTs & RFTs: normal - Stool & urine analysis: normal - ANA, anti-dsDNA & ANCA: negative - Tuberculin test: negative - Immune function tests: normal - IgE specific for cow's milk protein: normal - Trial of elimination of cow's milk products: no clinical or radiological response
18	Recurrent attacks of haemoptysis with six admissions for blood transfusion for severe microcytic anemia	<ul style="list-style-type: none"> - Gross appearance: Mild hyperaemic mucosa - Cell count: 20 (x10⁴)/mL - Neutrophils (%):3, Lymphocytes (%):10, Macrophages (%): 85; Many RBCS - Cytology: HLM >45% of BAL cells - Eosinophils, Lipid laden macrophages: absent - Gram stain & ZN stain: negative - Bacterial, mycobacterial, viral and fungal C&S: No growth 	<ul style="list-style-type: none"> - HB:5.7 g/dL (microcytic, hypochromic anemia), platelet count: 510 (10³/uL) - Serum ferritin: low - TIBC: increased - Coagulation profile, LFTs & RFTs: normal - Urine analysis: normal - Stool analysis: positive occult blood in stool - ANA, AntiDNA & ANCA: negative - Tuberculin test: negative - IgE specific for cow's milk protein: normal - Immune function tests: normal

ZN: Ziehl-Neelsen; C&S: culture and sensitivity; EBV: Epstein-Barr virus; CMV: cytomegalovirus; HIV: human immunodeficiency virus; ANA: antinuclear antibodies; Anti-dsDNA: anti-double stranded DNA, ANCA: Anti-neutrophil cytoplasmic antibodies, RML: right middle lobe; LUL: left upper lobe; RBCS: red blood cells; LLL: left lower lobe; HLM: haemosiderin laden macrophages; TIBC: total iron binding capacity; LFTs: liver function test, RFTs: Renal function tests.