

Table - Reported cases of Tuberculosis-associated HLH								
Case	Sex/Age	Signs and Symptoms	Laboratory data	Location of TB	Method of diagnosis (Tuberculosis)	Treatment	Primary disease	Outcome
1(1)	M/3wk	Fever, splenomegaly, loose stools, tachypnea, cough, poor wt gain	Blood cytopenia, hemophagocytosis, elevated TG, Fib, Ferritin, soluble CD25 and CRP	Lung	Culture, PCR	Anti-tuberculosis treatment, Corticosteroids, Antibiotics	-	Survived
2(2)	F/14yr	Fever, cough, epistaxis	Blood cytopenia, hemophagocytosis, elevated TG, Fib, Ferritin, CRP and ESR	Lung, Bone marrow	PCR	Anti-tuberculosis treatment, Corticosteroids, IVIG	-	Survived
3(3)	M/44yr	Fever, anorexia, fatigue, respiratory distress	Blood cytopenia, hemophagocytosis, elevated Ferritin, CRP and ESR	Lung, Bone marrow	Biopsy, CT	Anti-tuberculosis treatment, Corticosteroids, cyclosporine, IVIG, Antibiotics, Supportive care	AS, infliximab	Survived
4(4)	F/74yr	Fever, splenomegaly, cough, wt loss,	elevated Fib, Ferritin and	Lung	Culture, Smear, PCR, Chest	Anti-tuberculosis treatment	-	Survived

		paradoxical respiration	soluble CD25		X-ray	, Supportive care		
5(5)	F/35yr	Fever, splenomegaly, drowsiness, ascites	Blood cytopenia, hemophagocytosis	Bone marrow	Culture	Anti- tuberculous treatment, Corticosteroids	-	Survived
6(6)	F/27yr	Fever, splenomegaly, respiratory failure, pleural effusion	hemophagocytosis, elevated TG and Ferritin	Lung, Spleen, pleural	Biopsy	Anti- tuberculous treatment, corticosteroids, etoposide, methotrexate, Antibiotics, supportive care	Postsplenectomy, colitis, infliximab	Survived
7(7)	M/2 mo	Fever, splenomegaly	Blood cytopenia, hemophagocytosis, elevated TG, Fib and Ferritin	Bone marrow	Biopsy	Anti- tuberculous treatment, corticosteroids	-	Survived
8(8)	M/22yr	Fever, splenomegaly, dyspnea, disoriented, ascites, wt loss, fatigue	Blood cytopenia, decreased NK cell activity, elevated Ferritin, soluble	Peritoneum	Biopsy, Culture, PCR	Anti- tuberculous treatment	-	Survived

			CD25 and CRP					
9(9)	M/56yr	Fever, splenomegaly, anorexia	Blood cytopenia, elevated CRP and ESR	Bone marrow	Biopsy, Smear, PCR	Anti-tuberculous treatment, corticosteroids, Antibiotics	-	Survived
10(10)	M/20yr	Fever, splenomegaly, anorexia, loose stools, black stools, hematemesis, chest tightness, cough, fatigue, rashes	Blood cytopenia, hypofibrinogenemia, hemophagocytosis, elevated Fib, Ferritin and CRP	Bone marrow	Biopsy	Anti-tuberculous treatment, corticosteroids, Antibiotics	-	Survived
11(10)	M/57yr	Fever, splenomegaly, cough, respiratory distress	Blood cytopenia, hypofibrinogenemia, hemophagocytosis, elevated CRP	Lung	PCR,CT	Anti-tuberculous treatment, Antibiotics, Supportive care	-	Died
12(11)	M/61yr	Fever	Blood cytopenia, hypertriglyceridemia, hemophagocytosis, elevated	Lung, synovial	Culture, Chest X-ray	Anti-tuberculous treatment, corticosteroids, NSAIDs	coronary artery disease, diabetes, mellitus, hypertension	Survived

			ferritin					
13(1 2)	F/58yr	Fever, splenomegaly, dizziness, respiratory failure	Blood cytopenia, hypertriglyceridemia, hemophagocytosis, elevated ferritin	Cervical	Biopsy, Culture, Smear, PCR	Cyclophosphamide, vincristine, Antibiotics, Supportive care	lymphoma	Died
14(1 3)	F/19yr	Fever, chills, dyspnea	Blood cytopenia, hemophagocytosis, elevated ferritin, elevated soluble CD25, elevated CRP and ESR	Lung, kidney	Culture, PCR	Anti-tuberculosis treatment, Corticosteroids, Antibiotics	-	Survived
15(1 4)	M/23yr	Fever, splenomegaly, oral ulcer, anorexia, wt loss, vomit	Blood cytopenia, hypertriglyceridemia, hemophagocytosis, elevated ferritin, elevated ESR	Liver	Biopsy, PPD	Anti-tuberculosis treatment, Corticosteroids, Supportive care	-	Survives
16(1 5)	F/35yr	Fever, splenomegaly, cough	Blood cytopenia, Hypertriglyceridemia, Hemophagocytosis	peripheral blood	PCR	Anti-tuberculosis treatment, Corticosteroids, etoposide	ALL	Survived

			s, Elevated Ferritin, Elevated CRP, Elevated ESR			, Antibioti cs		
17(1 6)	F/14 mo	Fever, cough, vomit, fussiness, cool extremities , tachypnea, tachycardi a	Blood cytopeni a, Hypertri glyceride mia, Hemoph agocytosi s, NK cell activity↓, Elevated Ferritin, Elevated soluble CD25	Bone marrow , gastric	Biopsy, Culture, PCR	Anti- tuberculo us treatment , surgery, supportiv e care	-	Survived
18(1 7)	F/40yr	Fever, splenomeg aly	Blood cytopeni a, Hypertri glyceride mia, hypofibri nogenem ia, Hemoph agocytosi s, Elevated Ferritin, Elevated CRP, Elevated ESR	eye	fundal photograph	Anti- tuberculo us treatment , corticost eroids	-	Survived
19(1 8)	M/42yr	Fever, splenomeg aly	Blood cytopeni a,	Lung, Bone marrow	Biopsy, Culture, PCR,	Anti- tuberculo us	-	Survived

			Hypertriglyceridemia, Elevated Ferritin, Elevated CRP		HRCT, ELISPOT	treatment , corticosteroids, etoposide , cyclosporine, IVIg, Antibiotics, supportive care, alemtuzumab, hematopoietic stem-cell transplantation		
20(19)	F/3wk	Fever, splenomegaly, vomit, anorexia	Blood cytopenia, hypofibrinogenemia, Hemophagocytosis, Elevated Ferritin	Lung	Smear, PCR	Anti-tuberculosis treatment , Corticosteroids, supportive care	-	Survived
21(20)	M/22yr	Fever, respiratory failure	Blood cytopenia, Hemophagocytosis, Elevated Ferritin, Elevated CRP	Lung, Bone marrow	Biopsy, Culture	Anti-tuberculosis treatment , Corticosteroids, IVIg, Antibiotics, supportive care, ATG	End-stage renal disease	Survived

22(2 1)	M/63yr	Fever, rashes	Blood cytopeni a, Hypertri glyceride mia, Hemoph agocytosi s, Elevated Ferritin, Elevated CRP	Bone marrow	Culture, PCR	Anti- tuberculo us treatment , Corticost eroids, cyclospo rine, azathiopr ine, Antibioti cs, supportiv e care, pegIFN	Hepatitis C, live transpla ntation	Died
23(2 2)	F/78yr	Fever, anorexia, hip pain	Blood cytopeni a, Hypertri glyceride mia, hypofibri nogenem ia, Hemoph agocytosi s, Elevated Ferritin, Elevated CRP, Elevated ESR	Lung, vertebr ae, greater trochan ter collecti on, periphe ral blood	Culture, Chest X-ray	Anti- tuberculo us treatment , Antibioti cs	Hypert ension, hip screw insertio n after fracture	Survived
24(2 2)	M/80yr	Fever, anorexia	Blood cytopeni a, hypofibri nogenem ia, Hemoph agocytosi s, Elevated	Lung, lymph node, bowel, urinary system, bone marrow	Biopsy, Culture, PET	Anti- tuberculo us treatment , supportiv e care	Paroxy sma l atrial fibrillat ion	Died

			Ferritin, Elevated CRP					
25(2 3)	M/27yr	Fever, splenomegaly, rashes, painful swelling of ankles, jaundice, wt loss	Blood cytopenia, Hypertriglyceridemia, Elevated Ferritin, Elevated CRP	Lymph node, Bone marrow	Culture, Smear, PCR	Anti-tuberculosis treatment , Antibiotics, supportive care	-	Died
26(2 4)	M/2 mo	Fever, splenomegaly, respiratory failure	Blood cytopenia, Hypertriglyceridemia, Elevated Ferritin, Elevated CRP	Lung	Chest X-ray	Anti-tuberculosis treatment , Corticosteroids, cyclosporine, supportive care	-	Survived
27(2 5)	F/18yr	Fever, splenomegaly, anorexia, abdominal pain, headache, drowsiness , wt loss	Blood cytopenia, hypofibrinogenemia, Hemophagocytosis, Elevated Ferritin, Elevated ESR	Lung	-	Anti-tuberculosis treatment , Corticosteroids, Antibiotics, supportive care	-	Survived
28(2 6)	M/34yr	Fever, splenomegaly, breathlessness, parotid swelling, periorbital	Blood cytopenia, Hypertriglyceridemia, hypofibrin	Lung	PCR	Anti-tuberculosis treatment , Corticosteroids,	-	Died

		swelling, jaundice, lymphadenopathy, ascites	nogenemia, Hemophagocytosis, Elevated Ferritin, Elevated CRP			etoposide, cyclosporine		
29	F/47yr	Fever, chest tightness, tachypnea, respiratory failure, cough, sore throat, chills, wt loss	Blood cytopenia, hypofibrinogenemia, Hemophagocytosis, Elevated Ferritin, Elevated CRP	Lung, Bone marrow	Biopsy, Smear, PCR, PET	Anti-tuberculosis treatment, Corticosteroids, Antibiotics, supportive care	-	Survived

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