

Table I(SuppI) - Comorbidities of immunodeficient patients.

Patient number	Sex	IEI	Comorbidities	Clinical phenotype	IgRT
1	M	Hereditary agammaglobulinemia	History of invasive aspergillosis. COVID-19 infection in the past. Anemia. Asperger's syndrome. Hyperkinetic disorder.	Infectious phenotype	fSCIg
2	M	IgG subclasses deficiency (IgG1, IgG2)	Behcet's disease. Gastritis. Hypertension. Nodular goiter. Post-steroidal diabetes mellitus. Cataracts. Osteoporosis. Cysts of the right kidney. Diverticulosis of the sigmoid colon.	mixed phenotype (infectious and autoimmune)	fSCIg
3	F	IgG deficiency (IgG1 subclass), deficiency of complement component C3 and NK cells	Chronic laryngitis. Allergic rhinitis. Bronchial asthma. History of bacterial overgrowth of the small intestine. Tricuspid valve regurgitation. Mitral valve regurgitation.	Infectious phenotype	fSCIg
4	F	Nonfamilial agammaglobulinemia	Bronchiectasis. Chronic respiratory failure - history of home oxygen therapy. Chronic sinusitis with polyps. Hypertension. Anemia. Hyperuricemia. History of vitamin D deficiency. Lipid metabolism disorders.	Infectious phenotype	fSCIg
5	F	CVID	Bronchiectasis. History of vitamin D3 deficiency. Chronic sinusitis. Post left lower lobectomy status.	Infectious phenotype	fSCIg
6	F	CVID	Diffuse nodular lesions of the lungs with mediastinal lymphadenopathy. History of vitamin D3 deficiency. Condition after wedge resection of the right lung. Esophagitis. Chronic gastritis. Esophageal varix I/II degree according to OMED classification. History of gastric ulcer. Post cholecystectomy status. Pigmented nevi.	mixed phenotype (Infectious phenotype and polyclonal lymphocytic infiltration)	fSCIg
7	F	CVID	Pancytopenia. Interstitial lung disease. History of folic acid and vitamin D deficiency. Hyperuricemia. Hypoalbuminemia. Inflammation of the esophagus. Diaphragmatic hernia. Gastritis and duodenitis. Hypothyroidism during pharmacological hyperthyroidism. Chronic urticaria. Chronic sinusitis. Hemangioma of the liver. Gallbladder stones. Kidney cysts. Mixed hyperlipidemia.	Infectious phenotype	fSCIg
8	F	CVID	Gastritis and duodenitis. Chronic sinusitis. Hypoechoic focal lesion of the thyroid gland. History of folic acid and vitamin D3 deficiency. History of COVID-19 infection.	Infectious phenotype	SCIg
9	M	CVID	Deviated nasal septum. Bronchial asthma. Inflammation of the esophagus, stomach and duodenum. Irritable bowel syndrome. Normocytic anemia. History of folic acid deficiency. Disorders of lipid metabolism. Pigmented nevi. Caries.	Infectious phenotype	fSCIg
10	F	CVID	Splenomegaly. Accessory spleen. Reflux esophagitis. Inflammation of the stomach. Cysts of the liver. Hemangioma of the liver. Chronic sinusitis.	Infectious phenotype	fSCIg
11	M	CVID	Gastritis and duodenitis. Celiac disease. Left epididymal cyst.	mixed phenotype (infectious and autoimmune)	fSCIg





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12	F	CVID	Interstitial lung disease. Leukopenia with neutropenia. Inflammation of the esophagus. Gastritis and duodenitis. Deviated nasal septum. Chronic inflammation of the nasal mucosa. History of vitamin D3 deficiency. History of an anaphylactic shock (after the HyQvia, Kiovig, Octagam drugs).	Infectious phenotype	SCIg
13	F	CVID	Leukopenia in the form of neutropenia. Chronic sinusitis. Status post decortication of the left lung in the course of lung abscess. Hypercholesterolemia. Inflammation of the esophagus. Gastritis and duodenitis. Microscopic colitis. Folic acid deficiency.	Infectious phenotype	fSCIg
14	M	CVID	History of hemolytic anemia. Bronchiectasis. Gastritis. Agenesis of the right kidney. Seborrheic dermatitis. Viral warts on the skin of the left hand.	Infectious phenotype	fSCIg
15	M	CVID	Chronic sinusitis. History of COVID-19 with respiratory failure.	Infectious phenotype	fSCIg
16	F	CVID	Pancytopenia. Mitral valve regurgitation. Esophageal varices grade II/III. Portal gastropathy. Hepatomegaly. Splenomegaly. Chronic colitis. Hypocalcemia. Hypoalbuminemia. History of folic acid, iron and vitamin D3 deficiency.	mixed phenotype (infectious and autoimmune)	fSCIg
17	M	CVID	Antiphospholipid syndrome. History of thrombocytopenia. History of lower extremity deep vein thrombosis. Status after appendectomy for acute suppurative appendicitis. Folic acid deficiency. Chronic rhinosinusitis.	mixed phenotype (infectious and autoimmune)	fSCIg
18	M	CVID with non-cancerous lymphoproliferation	Radiosensitivity. Interstitial lung disease. Nontoxic nodular goiter. Pulmonary granulomas. Gastritis and duodenitis. Atopic dermatitis. History of folic acid and vitamin D3 deficiency.	mixed (Infectious and polyclonal lymphocytic infiltration)	SCIg
19	F	Selective deficiency of IgG subclasses	Status post resection of the middle lobe of the right lung due to bronchiectasis and cirrhosis. Slight mitral valve regurgitation. Slight tricuspid regurgitation. Esophagitis. Hernia of the esophageal foramen of the diaphragm. Inflammation of the stomach and duodenum. Chronic sinusitis. Status post bilateral maxillary sinus surgery with widening of their natural orifices. Epilepsy.	Infectious phenotype	fSCIg
20	M	Immunodeficiency associated with other major defects	Vitiligo. Condition after removal of melanoma of the groin (In situ).	mixed phenotype (infectious and lymphoid malignancy)	fSCIg
21	M	CVID	Plaque psoriasis. Chronic urticaria. Pigmented nevi. Acquired vitiligo. Gastritis. Hernia of the esophageal hiatus of the diaphragm. Liver cysts. History of acute idiopathic pericarditis. A history of acute pancreatitis.	mixed phenotype (infectious and autoimmune)	fSCIg

CVID: common variable immunodeficiency; IgRT: immunoglobulin replacement therapy; fSCIg: facilitated subcutaneous immunoglobulin; NK cell: Natural killer cell; SCIg: subcutaneous immunoglobulin.