

Supplementary Table 1. Associated diseases in 616 children with chronic constipation

Associated disease	No. (%)
Hematological diseases	50 (8.1)
Sickle cell disease	19 (3.1)
G6PD deficiency	9 (1.5)
Iron deficiency anemia	9 (1.5)
Sickle cell trait	6 (0.9)
Thalassemia	6 (0.9)
Acute lymphocytic leukemia	1 (0.2)
Gastrointestinal and hepatobiliary diseases	46 (7.5)
GERD	18 (2.9)
Gastritis	9 (1.5)
Pin worms' infestation	5 (0.8)
Dysphagia	3 (0.4)
Hiatal hernia	2 (0.3)
Helicobacter pylori infection	2 (0.3)
Hepatic steatosis	2 (0.3)
Nodular lymphoid hyperplasia	1 (0.2)
Candida esophagitis	1 (0.2)
Cholelithiasis	1 (0.2)
Neonatal jaundice	1 (0.2)
Cholestatic jaundice	1 (0.2)
Allergic diseases	29 (4.7)
Bronchial asthma	16 (2.6)
Eczema	12 (1.9)
Eosinophilic gastroenteropathy	1 (0.2)
Genitourinary diseases	24 (4)
Enuresis	21 (3.4)
Solitary kidney disease	1 (0.2)
Pyelonephritis	1 (0.2)
Congenital chordee	1 (0.2)
Neurological diseases	19 (3)
Epilepsy	6 (1)
Hydrocephalus	5 (0.8)
Chronic headache	4 (0.6)
Encephalopathy	2 (0.3)
Developmental delay	2 (0.3)
ENT diseases	6 (1.0)
Speech problems	3 (0.4)
Conductive hearing loss	1 (0.2)
Recurrent tonsillitis	1 (0.2)
Vertigo	1 (0.2)
Genetic diseases	6 (1.0)
Glucose transporter type 1 deficiency	1 (0.2)
Hereditary sensory and autonomic neuropathy type IV	1 (0.2)
Tuberous sclerosis	1 (0.2)
Congenital lipodystrophy	1 (0.2)
Corpus collosum agenesis	1 (0.2)
Achondroplasia	1 (0.2)
Cardiac diseases	5 (0.8)
Atrial septal defect	1 (0.2)
Patent ductus arteriosus	1 (0.2)
Ventricular septal defect	1 (0.2)
Aortic insufficiency	1 (0.2)
Mitral insufficiency	1 (0.2)
Autoimmune diseases	5 (0.8)
Autoimmune thyroiditis	1 (0.2)
Immune thrombocytopenic purpura	1 (0.2)
Systemic lupus erythematosus	1 (0.2)
Henoch-Schonlein purpura	1 (0.2)
Juvenile arthritis	1 (0.2)
Nutritional deficiencies	5 (0.8)
Failure to thrive	3 (0.5)
Vitamin D deficiency	2 (0.3)
Others	5 (0.8)
Hypoparathyroidism	1 (0.2)
Lymphadenopathy	1 (0.2)
Raynaud's syndrome	1 (0.2)
Myopathy	1 (0.2)
Pityriasis alba	1 (0.2)

Values are presented as number (%).

G6PD, glucose-6-phosphate dehydrogenase; GERD, gastroesophageal reflux disease; ENT, ear, nose and throat.