

CBL

GIT & Liver Module

A 17 year old male presented with a history of loose stools off and on since childhood, abdominal pain and easy fatigability. He looks pale and weakly built for his age. History was negative for melena. His sister, two years younger than him also suffers from the similar complaints, but his elder brother is fine and healthy. On examination he is anaemic, JVP not raised, pulse 110/min, BP 120/70 mm of Hg. Heart sound normal, 2/6 systolic murmur at pulmonary area, chest clear without any abdominal visceromegaly. Labs were under Hb 6.0 gm/dl (12-16), MCV 66 (76-94), BUN 10 mg/dl (10-20), Ferritin 15 (45-250). Stool DR is normal. Anti-tissue transglutaminase IgA 17 (< 7). Duodenal biopsy showed mucosal and sub mucosal lymphocytic infiltration with atrophy of villi.

Q1. What is the most likely diagnosis?

Q2. What nutrients absorption could be affected by lesion at this location?

Q3. Give a management outline.

Q4. What are the different anatomical structures involved in the process of Digestion and Absorption of food?

Q5. What are the different processes of Absorption?

Q6. What are different causes of intestinal Malabsorption?