Protein-losing Enteropathy from Eosinophilic Enteritis Diagnosed by Wireless Capsule Endoscopy and Single-balloon Enteroscopy

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Age and Gender: 10/F

Chief Complains: for evaluation of hypoalbuminemia and IDA

Present Illness: A 10-year-old woman was referred from a hospital located in Abu Dhabi for evaluation of hypoalbuminemia and IDA. Before admission to our hospital, gastroscopy and colonoscopy examination was performed and showed no abnormality.

Past History: DM/HT/hepatitis/tuberculosis (-/-/-/-)

Family History: none

Physical Examination and Laboratory Findings:
WBC 6,420/μl, Hb 8.3 g/dL, Hct 28.1%, MCV 70.6fl, MCHC 29.3%, platelet 442,000/μl, Total protein 4.2 g/dL, albumin 2.3 g/dL, BUN/Cr 7.1/0.21 mg/dL, AST/ALT 28/14 IU/L

Endoscopic and Radiologic Findings:
EGD: 8 mm size healing ulceration in the antrum,
Colonoscopy: nonspecific
Abdominal CT scan: nonspecific
Capsule endoscopy: Small hyperemic erosions at jejunum
Single balloon enteroscopy: circular hyperemic mucosal change. Biopsy was done.

Hospital Progress: Pathology of the biopsy specimens obtained from the small bowel erosions was diagnostic for eosinophilic enteritis (EE). After treatment with oral steroid, the serum albumin level and the Hb returned to normal.