Inflammatory bowel diseases (IBD) are chronic inflammatory bowel disease. Two major forms of non-specific IBD are recognized: Crohn’s disease (CD), which can affect any part of the GI tract, and ulcerative colitis (UC), which affects only the large bowel. There is overlap between these two conditions in their clinical features, histological and radiological abnormalities; in 10% of cases of colitis a definitive diagnosis of either UC or CD is not possible. The incidence of CD varies from country to country but is approximately 4–10 per 100 000 annually, with a prevalence of 27–106 per 100 000. It is very rare in developing country like Bangladesh. This disease is a multisystem disease which can affect any part of the body. The most common problem in diagnosing a case of Crohn’s disease is similarity with tuberculosis. Its actually a diagnostic challenge to differentiate between disseminated TB.

In this particular case we present an isolated Crohn’s disease that was initially presented with severe anemia.

Case Report
A 26-year-old married male was initially presented with profound asthenia two and half year back. For that he was evaluated and diagnosed as a case of severe anemia and was treated with seven unit of blood transfusion on two different occasion, but he lost all his documents. On that time, he had no history of haematemesis, melaena, jaundice, vomiting or bladder-bowel complaints. For the last one year he developed recurrent central abdominal pain. His pain was intermittent and moderate to severe in intensity, compelled to leave his job. He was admitted in BSMMU for further evaluation.

On admission he was severely anaemic, pulse 90/min, BP 100/70 mm hg. There was no lymphadenopathy, bony tenderness, or organomegaly. He had mild tender abdomen with normal per rectal examination. Other systemic examination was also normal.

Investigation revealed Hb: 6.4 gm/L, MCV 67 fl, MCH 20 pg, MCHC 290 g/L, RDW 18%. Peripheral blood film showed microcytic hypochromic anaemia. He underwent extensive evaluation for iron deficiency anaemia after admission to BSMMU. Haemoglobin electrophoresis was normal. S ferritin was 7.13 µgm/L, occult blood test was positive but upper GI endoscopy was normal. After 3 units of blood transfusion Hb level was 8.6 gm/L, but after less than a month Hb level was again 5.2 gm/L with features consistent with iron deficiency anaemia. LFT and S Creatinine were normal. USG of the whole abdomen was also normal.

Radionuclide imaging for GI bleeding failed to show any site of GI bleeding. Barium follows through showed persistent and alternate narrowing & dilatation of ileum. The terminal ileum, caecum, & proximal ascending colon were narrow & contracted consistent with granulomatous disease (Fig 1).
developed acute abdomen and we failed to do colonoscopy. He was referred to surgery department and underwent laparotomy on 2nd March 2011.

During laparotomy multiple strictures with an ileo-ileal internal fistula was found. Proximal ileum was distended with collapsed distal part. Multiple congenital bands and adhesions were also noted within the different portions of ileum. Multiple mesenteric lymphadenopathies were seen. Adhesionolysis, resection with ileo-ileal anastomosis was done. Histopathology of the resected ileum showed multiple ulcers lined by granulation tissue overlying the pseudopyloric metaplasia; lining areas shows goblet cell depletion; submucosa shows smooth muscle proliferation; transmural inflammation is also noted; features consistent with Crohn’s disease.
With this finding he was diagnosed as a case of Crohn’s disease. He is on mesalazine 1600mg/day with significant clinical improvement.

Discussion
Crohn’s disease is a multisystem disease. Most to the cases patient present with abdominal symptoms such as abdominal pain, alteration of bowel habit, haematemesis, melena, and also extraintestinal symptoms such as joint pain redness of eye, skin lesion etc. But this patient presented with unexplained iron deficiency anaemia. In most patients with CD, anemia is due to gastrointestinal blood loss and chronic inflammation. But there are other causes which should be kept in the list such as autoimmune hemolytic anaemia (AHA). The difference in the incidence of AHA between ulcerative colitis and CD has been frequently noted. For diagnosis of this patient we had extensive workup. At the end we went for surgery. The biopsy confirmed as CD. After confirmation of the diagnosis he was initially started with I/V methylprednisolone. Now the patient is quite settled we are maintaining with aminosalisylates.

Consent
Written informed consent was obtained from the patient for publication of this case report and accompanying images. A copy of the written consent is available for review by the Editor-in-Chief of this journal.

Competing Interest
The authors declare that they do not have any competing interests.

References


