Dear Editor,

As you are aware, epiploic appendagitis is a rare cause of acute abdomen, and can mimic other pathologies for abdominal pain. It results from torsion and inflammation of an epiploic appendix, thereby leading to localized abdominal pain. Due to its vague presentation, the diagnosis can often be challenging.

A 24 year old male, with no known comorbidities, presented to Medicine department with severe left lower abdominal pain since morning. The pain was acute on onset and progressive with no other associated symptoms. On abdominal palpation, he had severe left iliac tenderness with no radiation. His vitals and other systemic examinations were normal. His blood investigations like complete blood counts, renal and liver functions, electrolytes and calcium were normal. Urine microscopy did not show any pus cells. Ultrasound imaging of the abdomen revealed an echogenic lesion (27 x 18 mm) with ill-defined margins adjacent to the distal descending colon, suggestive of epiploic appendagitis (Figure 1). He was given oral non-steroidal anti-inflammatory drugs (mefenamic acid) and paracetamol, following which his pain got relieved. He was advised contrast enhanced computed tomography of the abdomen, but due to financial restrains it was decided to do if his symptom persists. He continued the tablets for 2 days and stopped. On review after 5 days, he did not have any further episodes of abdominal pain.

Epiploic appendagitis refers to inflammation of one or more of the appendices epiploicae, which are small, serosa-covered fat pads attached to the outer surface of the colonic wall, measuring from 0.5 cm to 5 cm in length and 1 to 2 cm in width. There are nearly 100 appendages scattered throughout the peritoneal cavity. They are distributed along the rectosigmoid junction (57%), ileocecal region (26%), ascending colon (9%), transverse colon (6%) and descending colon (2%). The condition can occur at any age, with incidence being slightly higher in males. The pathogenesis is either due to torsion of the large and pedunculated appendix epiploicae, or spontaneous thrombosis in the venous flow, resulting in ischemia, and necrosis. The patients usually presents with acute onset lower abdominal pain, left or right, which is aggravated by movements. Abdominal examination reveals localized tenderness with guarding. Blood investigations may show an elevated leukocyte count. Imaging modalities such as abdominal ultrasound or computed tomography scan aid in the diagnosis. The condition is self-limiting, and patients recover spontaneously within 1 week to 1 month time. Oral non-steroidal anti-inflammatory drugs are the standard line of management once the diagnosis is confirmed. Antibiotics are rarely warranted. Surgical interventions are indicated only in case of complications such as secondary abscess, intestinal occlusions or inflammation-induced adhesions, and in cases of recurrence of symptoms with the conservative management.

To conclude, epiploic appendagitis is an uncommon cause of acute abdomen, and can mimic other conditions like appendicitis, cholecystitis and diverticulitis. An awareness of this condition is essential in order to avoid unnecessary surgery and hospitalization.

Keywords: Epiploic appendagitis; acute abdomen; abdominal pain
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