A rare case of intussusception diagnosed by ultrasonography: lipoma of the colon

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An 85 year-old female patient was admitted to the Emergency Room because of persistent non-specific abdominal pain of 10 days duration associated to nausea and sometimes vomiting. On admission on Emergency Room, the abdomen was enlarged, without signs of ascites, and pain on palpation midway between umbilicus and right inferior quadrant; patient had no rebound tenderness in all abdominal. Laboratory examination revealed an increase of white blood cells (13,500 mmc): renal, hepatic and coagulation parameters were within the normal limits. A bed ultrasound (US) examination showed an imaging compatible with colic intussusception; in fact, a hypoechoic layer of edematous bowel wall with echogenic layers (bull’s-eye signs) was detected (Figure 1). To better define the US picture, a computed tomography scan was carried out, showing an inhomogeneous soft tissue mass containing low and high-density structures, producing a layered pattern sausage-shaped (Figure 2). The patient was operated and during the operation were found signs of invagination of the wall (Figure 3). A left colic resection was carried out and termino-terminal anastomosis was made. The pathological examination of the resected specimen showed the presence of a small lipoma of the colic wall (Figure 4). Intussusception, as a cause of intestinal obstruction in adult, is rare entity and it requires early diagnosis and surgical intervention.1,2 Contrary to the management of intussusception in children –about 80% of whom is treated effectively by pneumatic or hydrostatic reduction, in adults treatment is mainly surgical.4,5 It should be underlined that the treatment of adult intussusception is not universally agreed upon and all authors suggest that laparotomy is mandatory in order to identify the pathological lesion causing it.3,5 In our case a lipoma was found on the pathological specimen. It is also noticeable how ultrasound imaging is a useful first-line approach for the diagnosis of intussusception in adults.

References