Lobulated colonic lipoma mimicking carcinoma with intermittent intussusception

Figure 1 Double contrast colon series showed an irregular lobulated mass measuring 5 cm in diameter, located in the hepatic flexure.

Figure 2 Colonoscopy revealed a polypoid mass with an irregular lobulated margin, and tan-pink ulcerated necrotic surface that mimicked a malignant tumor.

Lipomas are the most common nonepithelial tumors of the colon, and rank third in frequency among benign colonic tumors after hyperplastic and adenomatous polyps [1]. Symptomatic colonic lipomas are uncommon, accounting for 6% in clinical series at the Mayo Clinic [2]. Intussuscepted colonic lipomas are rare and often confused with malignant tumors, so that most of them are diagnosed after intervention [3]. We report on a lobulated colonic lipoma with unusual presentations that mimicked carcinoma.

A 47-year-old woman presented with intermittent, colicky abdominal pain. Physical examination showed no specific finding except for pale conjunctiva. Laboratory investigation revealed iron-deficiency anemia. The fecal occult blood test was positive. Double contrast colon series showed an irregular lobulated mass, measuring 5 cm in diameter and located in the hepatic flexure (● **Figure 1**). Colonoscopy revealed a 5 cm diameter polypoid mass with an irregular lobulated margin, tan-pink ulcerated surface, and easy contact bleeding in the ascending colon near the hepatic flexure (● **Figure 2**). Abdominal computed tomography (CT) showed an intussuscepted lesion located in the hepatic flexure. An ill-defined fat-containing soft-tissue mass was measured at 5 cm in diameter and acted as a leading point of intussusception (● **Figure 3**). Because of suspicion of ma-

lignant tumor, the patient underwent laparotomy with right hemicolectomy. The gross appearance of the lesion was that of a polypoid hard mass measuring

5 × 4 × 4 cm, with an ulcerated necrotic surface and located at the distal ascending colon (● **Figure 4**). The histologic findings revealed a lipoma composed of mature adipose tissue. The surface of the mass was superficially ulcerated with inflammation and fibrosis (● **Figure 5**). The patient was discharged on the seventh day after the operation, following an uneventful recovery.

Large colonic lipomas (> 2 cm) can present as abdominal pain from obstruction

Figure 3 Abdominal computed tomography showed an ill-defined fat-containing soft-tissue mass, which acted as a leading point of intussusception (a, arrow). The wall of the colon near the mass was thickened with rings of intussusception (b, arrow). There was no lymphadenopathy.

Figure 4 Resected specimen of the colon showed a polypoid hard mass measuring 5 × 4 × 4 cm, with an ulcerated necrotic surface, located at the distal ascending colon.

Figure 5 Pathologic findings revealed mucosal ulceration with inflammation and fibrosis. The submucosal mass was composed of mature adipose tissue. (Hematoxylin and eosin, original magnification × 100).

or intussusception, and bleeding or chronic anemia could occur when mucosa overlying the lipoma is ulcerated [4]. Ulcerative and lobulated appearance may be due to fibrosis and healing of traumatic mucosa resulting from chronic and occasional intussusception [5]. In this case, abdominal CT is sensitive for colonic lipomas with intussusception.

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**I.-T. Lin¹, W.-H. Chang¹, T.-C. Hsu²,
S.-C. Shih¹, T.-E. Wang¹, C.-H. Chu¹,
T.-C. Liou¹**

¹ Division of Gastroenterology, Department of Internal Medicine, Mackay Memorial Hospital, Mackay Medicine, Nursing and Management College, Taipei, Taiwan

² Division of Colon and Rectal Surgery, Department of Surgery, Mackay Memorial Hospital, Mackay Medicine, Nursing and Management College, Taipei, Taiwan

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Corresponding author

T.-C. Liou, MD

Division of Gastroenterology
Department of Internal Medicine

Mackay Memorial Hospital

No. 92, Section 2,
Chungshan North Road
Taipei

Taiwan

Fax: +886-2-25433642

ltc@ms2.mmh.org.tw