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## Case Report

# Recto-sigmoid lipoma: a case report and review of the literature

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## ABSTRACT

Lipomas are a growth of fat cells in a fibrous capsule. They are most common in noncancerous tissues. Lipoma of rectum is uncommon and the most common site of its origin is the perianal region. Rarely they could cause rectal bleeding. In this study, we have reported a 53-yrs old man who had been referred to the hospital with symptoms of abdominal pain, rectal bleeding and the problem in bowel movement. Rectal prolapsed with solitary rectal were observed during the clinical observation. Colonoscopy, CT-Scan and MRI were performed for the patient and the results showed a mass suggestive to lipoma which was located in recto/sigmoid region. He underwent the surgery. Intra operative findings showed several soft masses in rectum and a large mass with dimension of 10 cm × 10 cm in sigmoid. Low anterior resection was performed for him and pathology diagnosis was lipoma.

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## Lipoma retossigmoide: relato de caso e revisão da literatura

## R E S U M O

Lipomas são um crescimento de adipócitos em uma cápsula fibrosa. Essas formações são mais comuns em tecidos não cancerosos. O lipoma do reto é de rara ocorrência, e o local mais comum para sua origem é a região perianal. Raramente essas formações podem causar sangramento retal. Nesse estudo, descrevemos um paciente, homem, 53 anos, que foi encaminhado ao hospital com sintomas de dor abdominal, sangramento retal e problemas nos movimentos intestinais. Ao exame clínico, foram observados prolapso retal com solitária do recto. Foi realizada uma colonoscopia e obtidos estudos de TC e IRM; os

### Palavras-chave:

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Retossigmoide

Colorretal

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resultados demonstraram uma massa sugestiva de lipoma, localizada na região retossigmoide. O paciente foi encaminhado à cirurgia. Os achados intraoperatórios demonstraram várias massas macias no reto e uma grande massa que media 10 cm × 10 cm no sigmoide. Foi realizada a ressecção anterior e o diagnóstico da patologia foi lipoma.

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## Introduction

Lipomas of rectum and colon are rare and the more common sites of their origin are the perianal region.<sup>1,2</sup> Colonic lipoma was first described by Bauer in 1757.<sup>3</sup> Lipomas often occur as solitary lesions in contrast to colonic lipomas which tend to occur as multiple lesions. Patients may be asymptomatic or may present with tenesmus when its location is in the distal rectum. A large lipoma may cause symptoms of obstruction because of its size. A pedunculated lesion may prolapse through the anal canal.<sup>4</sup> The tumor is soft and well circumscribed on palpation, with its yellowish color visible through the overlying mucosa on visualization using a proctoscope or endoscope. The overlying mucosa can be pinched up, and the lesion is usually compressible.<sup>5</sup>

For treatment the large lesions of colonic lipomas, there are several surgical methods including hemicolectomy, segmental resection of involved colon or local excision.<sup>6</sup>

In case of rectal lipomas, treatment can be done by transanal incision or endoscopically if it is pedunculated.<sup>7</sup> A large rectal lipoma may require a transabdominal approach for complete removal.

In this case report, we reported a recto-sigmoid lipoma with dimensions of 116 mm × 680 mm.

## Case report

A 53-yrs-old man was referred to the hospital with symptoms of abdominal pain, rectal bleeding and problem in bowel movement. During clinical examinations, rectal prolapse with solitary rectal ulcer were observed. Colonoscopy was performed for him.

Colonoscopy reported one infiltrated ulcerative lesion in 3 cm from the anal verge till 8 cm from anal and one other large ulcerative fungating mass near total obstructive mass from 25 cm till 31 cm from anal verge. Non-diagnostic biopsy was performed for him and there was no evidence of dysplasia or malignancy.

As we can find in Fig. 1, spiral abdomino-pelvic CT-Scan was done for him and we observed thickness of rectal wall with pre-rectal fat standing and a 64 mm × 112 mm fat-density mass within the recto-sigmoid lumen that was displaced forward the urinary bladder.

Abdomino-Pelvic MRI showed a fat containing well-defined large (110 mm × 68 mm) mass at rectum and recto-sigmoid junction. The findings were suggestive of rectal lipoma. Fig. 2 shows the MRI for this patient.

CEA was checked with the result of 0.9 and according to the findings, the patient underwent surgery with diagnosis of rectal obstructive mass.

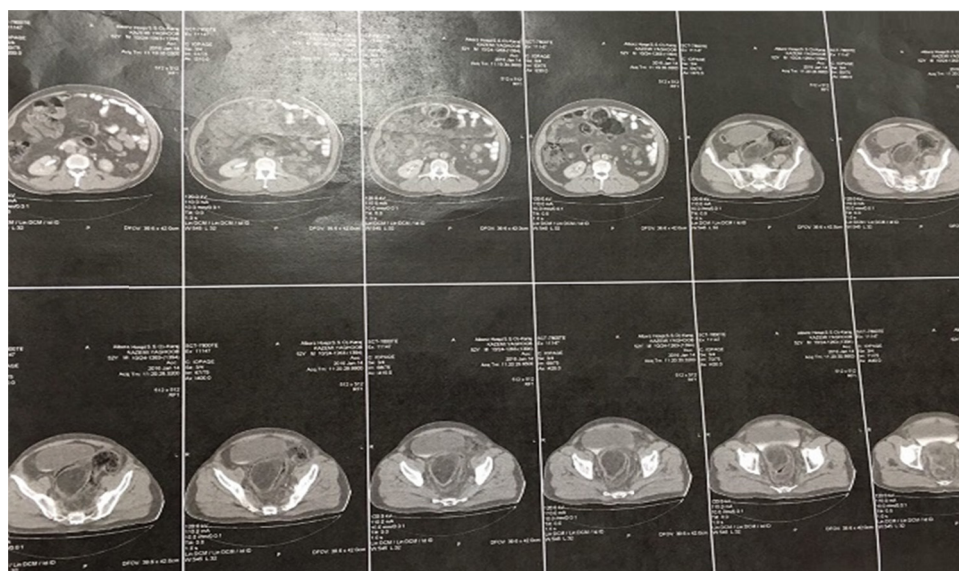


Fig. 1 – Spiral abdomino-pelvic CT-Scan.

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