



ENDOSCOPIC SNAPSHOT

Incidental Diagnosis of Mantle Lymphoma Made by Sigmoidoscopy



Diagnóstico Incidental de Linfoma do Manto por Proctossigmoidoscopia

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A 82-year-old man has been followed in our oncology hospital after prostatic cancer and prostatectomy. He was medicated with gonadotropin releasing hormone superagonist goserelin and olmesartan for arterial hypertension.

Due to the recent installation of orthopnea, a chest X-ray was carried out, revealing a mass in the right hilar region which was subsequently characterized as right hilar and mediastinal lymphadenopathy by chest CT. Bronchoscopy with bronchial biopsies, cytology and microbiological studies revealed no signs of malignancy or infection. Taking into consideration the patient's medical history and the occasional back pain he referred, PET scan was thought to be the appropriate following exam. In addition to confirming hypermetabolism in the already known lymphadenopathies, PET-CT scan also showed a hypermetabolic focus at the rectosigmoid junction (Fig. 1).

Sigmoidoscopy was performed and revealed two subepithelial lesions at 10 and 18 cm from the anal verge (Fig. 2). Biopsy specimens were obtained by using a "biopsy-on-biopsy" technique. Histological examination showed the presence of a lymphoid neoplasia of small sized cells with irregular nuclei, fine chromatin, small inconspicuous

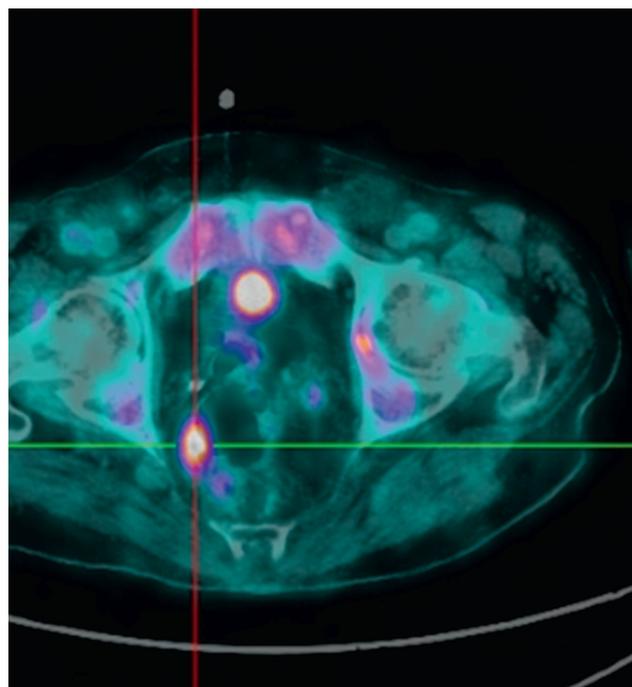


Figure 1 Hypermetabolism focus at the rectosigmoid junction.

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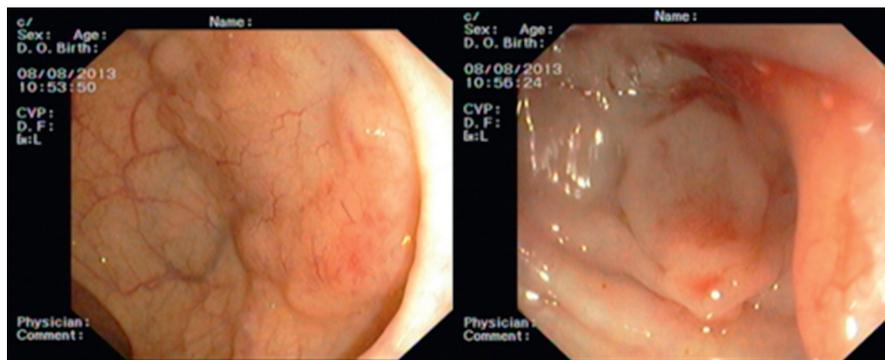


Figure 2 Subepithelial lesions at 10 and 18 cm from the anal verge (left and right, respectively).

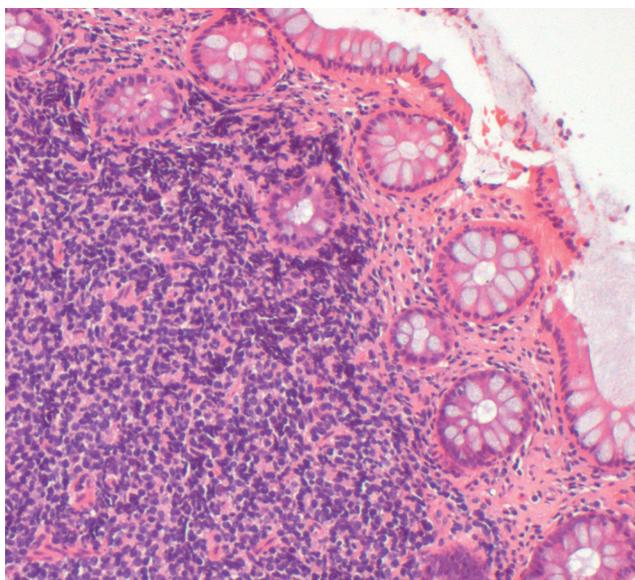


Figure 3 Lymphoid neoplasia, with "invasion" of the epithelium (Hematoxylin–Eosin, 100×).

nucleoli and pale indistinct scant cytoplasm, with the peculiarity that there was involvement of the epithelium (Fig. 3). Immunophenotype studies were consistent with the diagnosis of mantle cell lymphoma: expression of CD20 and other pan-B cell antigens and overexpression of cyclin D1. The patient was referred to the onco-hematology department to start treatment.

Approximately 40% of lymphomas have extranodal manifestations, and the most common site of extranodal involvement is the gastrointestinal tract.¹ Nonetheless, colorectal lymphoma remains a rare clinical entity.² Gastrointestinal involvement in mantle cell lymphoma, presenting with intestinal symptoms, was estimated at 30% but

recent studies show an infiltration even in 92% of cases.³ The clinical case reported by the authors report a first diagnosis by colonic biopsy/approach, an interesting finding with iconography that supports the case.

Ethical disclosures

Protection of human and animal subjects. The authors declare that no experiments were performed on humans or animals for this study.

Confidentiality of data. The authors declare that they have followed the protocols of their work center on the publication of patient data.

Right to privacy and informed consent. The authors have obtained the written informed consent of the patients or subjects mentioned in the article. The corresponding author is in possession of this document.

Conflicts of interest

The authors have no conflicts of interest to declare.

References

1. Zucca E, Roggero E, Bertoni F, Cavalli F. Primary extranodal non-Hodgkin's lymphomas. Part 1: Gastrointestinal, cutaneous and genitourinary lymphomas. *Acta Oncol.* 1997;8:727–37.
2. Quayle FJ, Lowney JK. Colorectal lymphoma. *Clin Colon Rectal Surg.* 2006;19:49–53.
3. Salar A, Juanpere N, Bellosillo B, Domingo-Domenech E, Espinet B, Seoane A. Gastrointestinal involvement in mantle cell lymphoma: a prospective clinic, endoscopic, and pathologic study. *Am J Surg Pathol.* 2006;30:1274–80.