

CT

CT

CT (Fig. 1A)

(Fig. 1B)

가

가

(3).

1

(Treitz)

42

가

2

CT

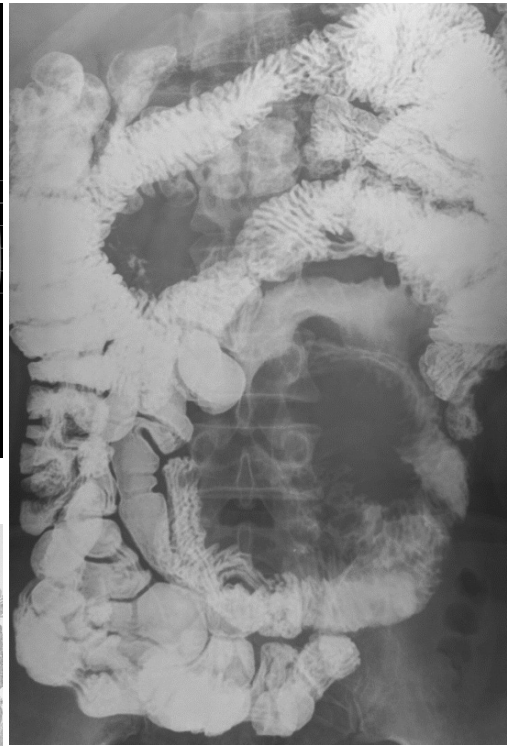
가

(Fig. 1C),

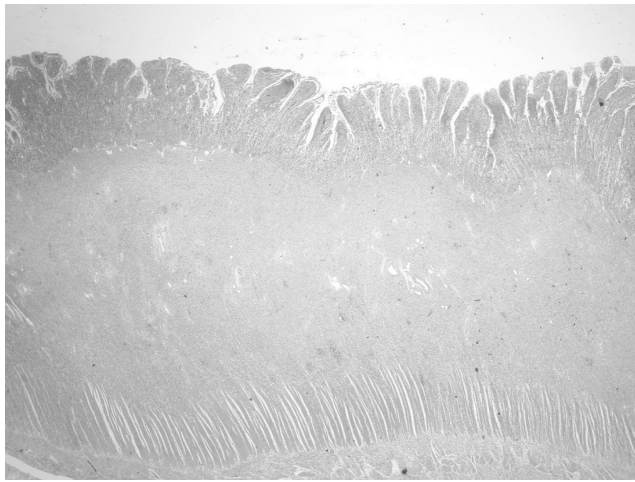
B cell T cell , CD 68,
myeloperoxidase lysozyme



A



B



C

Fig. 1. Non-leukemic granulocytic sarcoma of the ileum in a 42-year-old man.

A. Contrast enhanced CT scan shows irregular marginated and poorly enhancing soft tissue attenuated mass (arrows) in the small bowel and adjacent mesentery with encasing the neighboring mesenteric vessels (arrow heads).

B. Small bowel follow-through study shows a large space occupying lesion causing luminal

narrowing, fold thickening and effacement of ileum without mucosal ulceration. No proximal small bowel dilatation is noted.

C. Photomicroscopy shows leukemic cell infiltrations in the submucosal and muscle layers of resected ileum (H & E stain, $\times 100$).

(1, 2).

(4).

가 ,

. Neiman

30%

(1).

가

, 50%

6.5%

, Neiman (1)

CT

(2).

가 (3, 5, 6).

가
가 (2).

1

1. Neiman RS, Barcos M, Berard C, Bonner H, Mann R, Rydell RE, et al. Granulocytic sarcoma: a clinicopathologic study of 61 biopsied cases. *Cancer* 1981;48:1426-1437

2. Meis JM, Butler JJ, Osborne BM, Manning JT. Granulocytic sarcoma in nonleukemic patients. *Cancer* 1986;58:2697-2709
3. Corpechot C, Lemann M, Brocheriou I, Mariette X, Bonnet J, Daniel MT, et al. Granulocytic sarcoma of the jejunum: a rare cause of small bowel obstruction. *Am J Gastroenterol* 1998;93:2586-2588
4. Imrie KR, Kovacs MJ, Selby D, Lipton J, Patterson BJ, Pantalony D, et al. Isolated chloroma: the effect of early antileukemic therapy. *Ann Intern Med* 1995;123:351-353
5. Pui MH, Fletcher BD, Langston JW. Granulocytic sarcoma in childhood leukemia: imaging features. *Radiology* 1994;190:698-702
6. Lugassy G, Gimon Z, Okon E, Michaeli J. Acute abdomen due to granulocytic sarcoma of the terminal ileum. *Eur J Surg Oncol* 1988;14:445-448

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Nonleukemic Granulocytic Sarcoma of the Ileum: A Case Report¹

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Granulocytic sarcoma is an uncommon clinical condition that usually occurs in the bone, periosteum, soft tissue, lymph node and skin, and this is rarely seen in the gastrointestinal tract. To the best of our knowledge, few cases of granulocytic sarcoma in the small bowel have been reported in the English literature. We present here a case of nonleukemic granulocytic sarcoma of the ileum in a 42-year-old patient who had no evidence of blood or bone marrow involvement that would have been suggestive of acute leukemia or myeloproliferative disorders.

Index words : Gastrointestinal tract, CT
Gastrointestinal tract, neoplasms
Leukemia

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