

中文題目：大腸的骨髓性肉瘤做為急性骨髓性白血病的表現

英文題目：Myeloid sarcoma of colon as manifestation in acute myeloid leukemia

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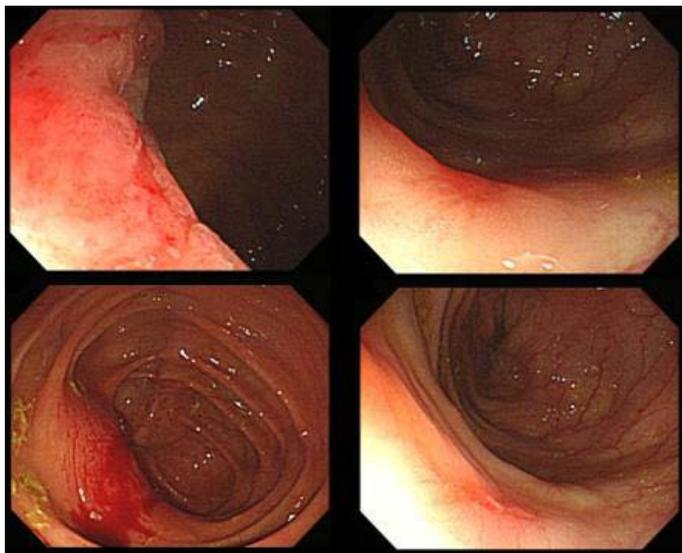
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## **Introduction**

1. Acute myeloid leukemia (AML) presenting with marked leukocytosis, anemia and thrombocytopenia is one of the major hematologic malignancies. Less than 1 % of AML patients will present with prominent extramedullary disease (ie, myeloid sarcoma, also called granulocytic sarcoma, myeloblastoma, or chloroma). Extramedullary disease may present simultaneously with or precede bone marrow disease, and might be seen in relapse.<sup>1</sup> Here we report a case with rare extramedullary sarcoma of intestine.

## **Case Presentation**

A 60-year-old woman has severe anemia and received colonoscopic survey showing colon ulcers over cecum and descending colon. Pathology report showed myeloid sarcoma. Peripheral blood smear showed mild leukocytosis with blast cells. Bone marrow biopsy confirmed the diagnosis of acute myeloid leukemia, M4. She then received induction chemotherapy with I3A7 (Idarubicin + Cytarabine) with complete remission. Follow up colonoscope showed healed colon ulcers and the biopsy confirmed disappearance of myeloid sarcoma.



## **Discussion**

It's very rare that AML presents as myeloid sarcoma in the pattern of colon ulcer. Myeloid sarcoma occurs most commonly as either cutaneous or gingival infiltration by leukemic cells and is most often seen in a prominent monocytic component of the leukemia (e.g., in acute monocytic or monoblastic [M5] leukemia or in acute myelomonocytic [M4] leukemia). Sites of isolated myeloid sarcoma include bone, periosteum, soft tissues, and lymph nodes were mostly reported and were rare in the orbit, intestine, mediastinum, epidural region, uterus, and ovary.

Myeloid sarcoma may precede or coincide with AML or even in the relapse phase.<sup>2</sup> Though it is rare, treatment of myeloid sarcoma with and/or without evidence of AML on bone marrow is similar to that for patients with overt AML. The outcome depends on the response of chemotherapy.

Here we report a rare case of myeloid sarcoma with presentation of colon ulcer suggesting carefully differentiation diagnosis of rare disease.

## **Reference**

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<sup>1</sup> Uptodate: Clinical manifestations, pathologic features, and diagnosis of acute myeloid leukemia

<sup>2</sup> Harrisons Principles of Internal Medicine, 19th Edition