

ABSTRACT

A Rare Case of Myeloid Sarcoma of the Colonic Epiploicae Mimicking Acute Appendicitis

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Introduction: Myeloid sarcoma or granulocytic sarcoma is a rare extramedullary manifestation of acute myeloid leukaemia. It is a tumour mass consisting of myeloblastic cells or immature myeloid cells and is associated with a poor prognosis. Diagnosing a myeloid sarcoma is challenging due to its non-specific clinical and radiological findings. **Case presentation:** We report a case of a 25-year-old gentleman who presented with two days history of right-sided abdominal pain mimicking an atypical acute appendicitis. **Discussion:** Subsequent imaging studies were proven equivocal in aiding our diagnosis. A diagnostic laparoscopy was then performed which demonstrated an inflamed hepatic flexure epiploic appendices over the sub-hepatic region forming an inflammatory mass which was then removed for biopsy. The resulting histological examination revealed myeloid sarcoma. **Conclusion:** A multidisciplinary team discussion was held with the pathologist and the patient was then referred to the haematologist for further workup of leukaemia.

Keywords: myeloid sarcoma, epiploic appendices, mimicking, acute appendicitis

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