

# CASE 026

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## PRIMARY MYELOID SARCOMA OF SMALL BOWEL.

### CASE HISTORY

15 year old female presented with an upper jejunal and mesenteric mass. The hematological parameters were within normal limit. Radiological scans revealed a mass in jejunum with involvement of mesentery. A possibility of poorly differentiated malignancy was suggested. We received Paraffin blocks prepared from excision of this mass for review and immunohistochemical analysis.

### HISTOMORPHOLOGY

H and E stained sections revealed sheets of atypical lymphoid cells in bowel wall and mesentery. Individual cells were large, monotonous, having vesicular chromatin, prominent nucleoli and moderate cytoplasm. Brisk mitotic activity was noted. Overlying mucosa was unremarkable.

### IMMUNOHISTOCHEMICAL FINDINGS

Immunohistochemically, the atypical lymphoid cells were positive for CD45, BCL2, MPO, CD117 and patchy positive for c-MYC, CD34 and CD31 with Ki-67 proliferation index of 70%. Thus, a diagnosis of hematolymphoid neoplasm favor myeloid sarcoma was rendered.