

Mesenteric leiomyoma

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History

Adolescent with left upper quadrant pain

Diagnosis

Mesenteric leiomyoma

Discussion

Leiomyomas are composed of fascicles of smooth muscle cells. Leiomyoma most commonly involves the uterus but can occur anywhere there is smooth muscle. A leiomyoma of the mesentery is uncommon; there are case reports in the literature with little dedicated literature to this topic. Leiomyoma typically demonstrate homogeneous density and intensity at CT and MRI (possibly low T2 signal), similar to smooth muscle, with homogeneous enhancement. Heterogeneity suggests consideration for sarcoma. Alternative considerations include teratoma/germ cell tumor, GIST, desmoid, sarcoma.

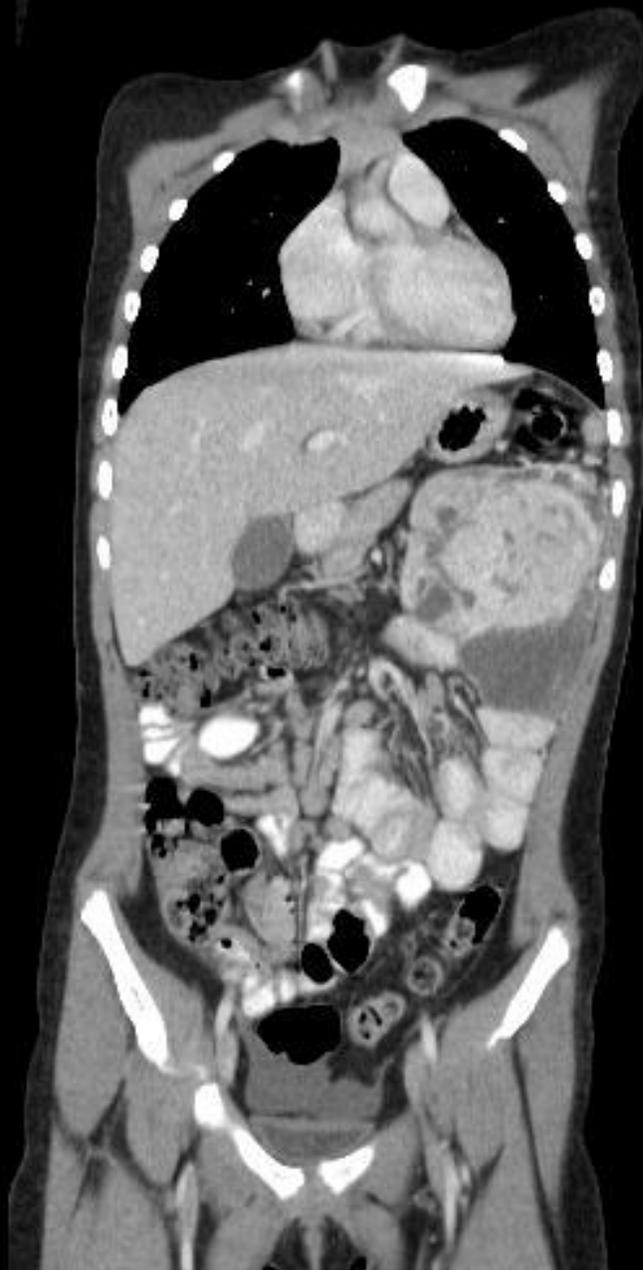
Findings

Large circumscribed heterogeneous cystic and solid mass centered in the left mesentery. No associated bowel obstruction but difficult to separate the mass from bowel in regions. Large vessels in portions of the mass.

Reference

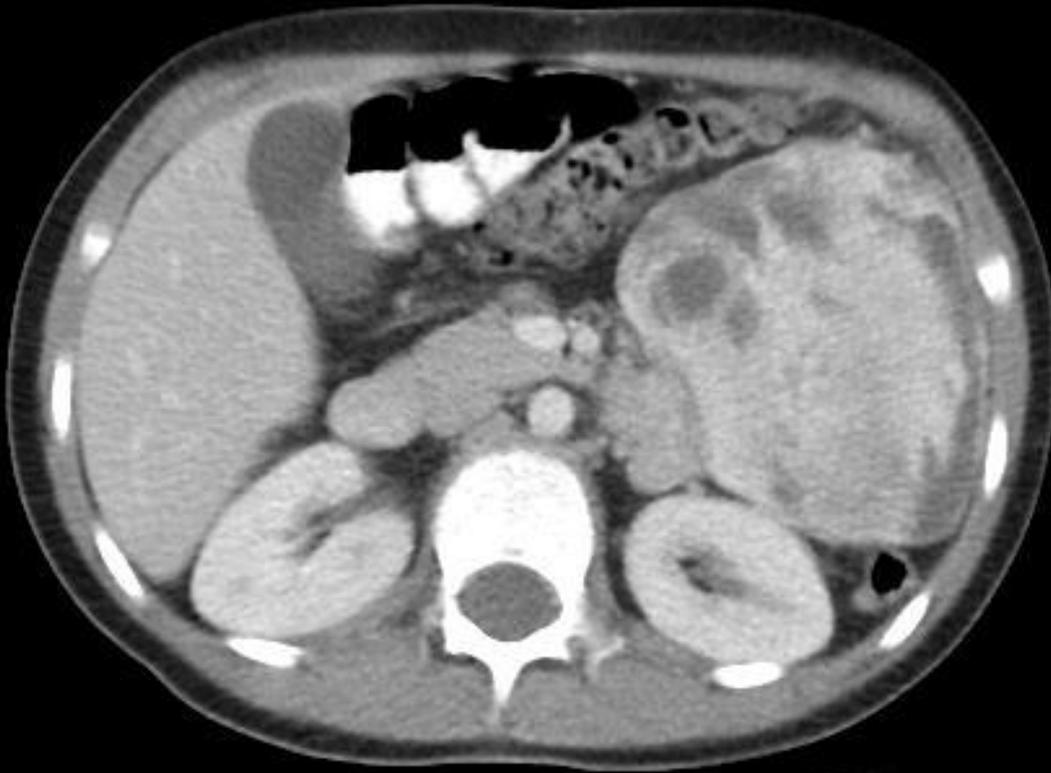
RadioGraphics 2008; 28:1931–1948, Leiomyomas beyond the Uterus: Unusual Locations, Rare Manifestations.

RadioGraphics 2003; 23:457–473. Mesenteric Neoplasms: CT Appearances of Primary and Secondary Tumors and Differential Diagnosis



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