

Managing Rhabdomyosarcoma of uterus in a young patient - a rare case

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Introduction

Rhabdomyosarcoma (RMS) of the uterus is a rare and aggressive malignancy, representing less than 1%

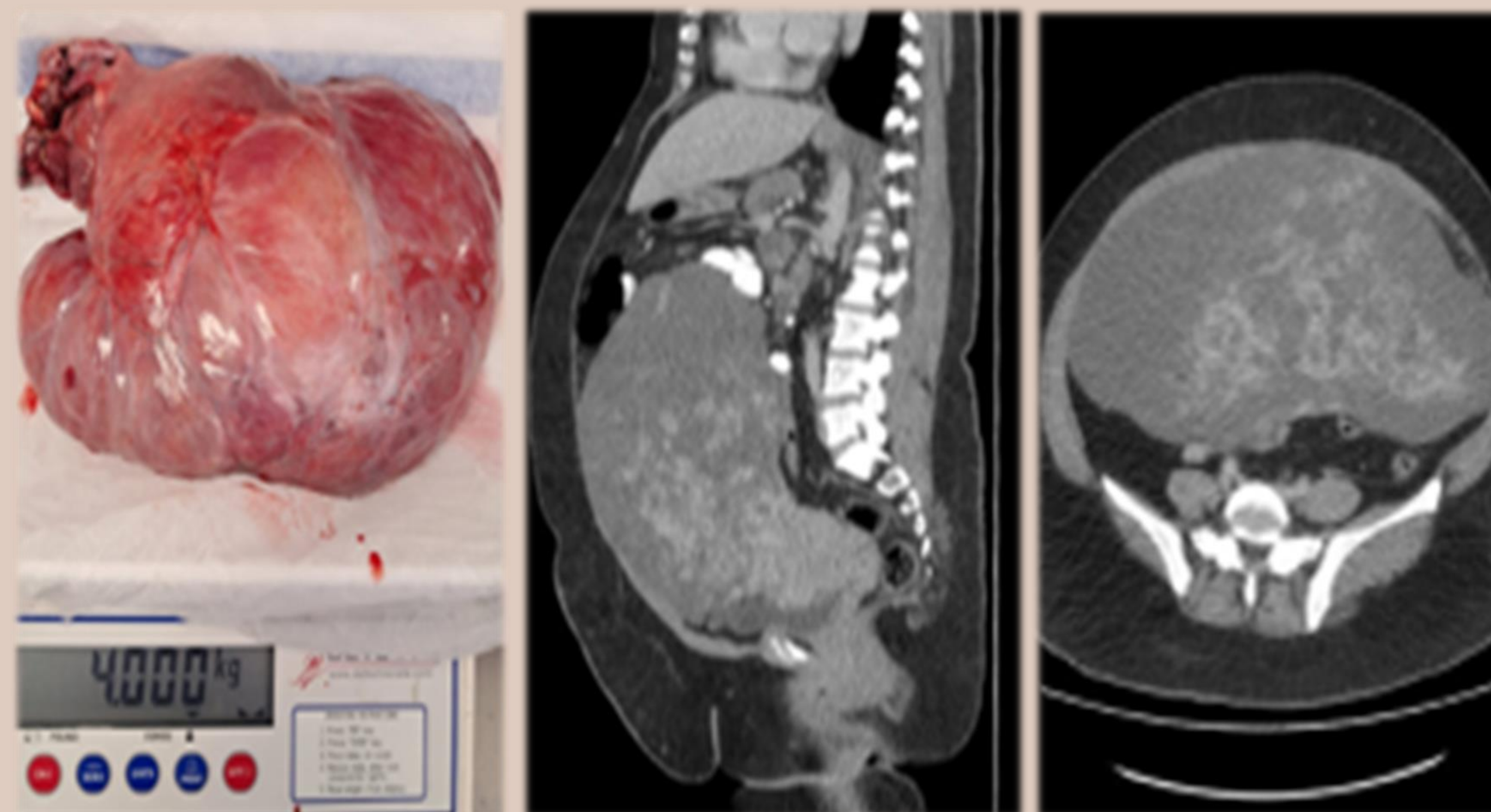
Most commonly affects postmenopausal women, with embryonal and pleomorphic subtypes more frequently observed in adults.

Uterine RMS in young patients is exceptionally uncommon, making this case report unique. Early recognition and aggressive multimodal treatment are critical for improving outcomes.

Ethical approval and informed patient consent for clinical image use were obtained for this presentation.

Discussion

- ✓ RMS should be considered in the differential diagnosis of abdominal masses
- ✓ Multidisciplinary management is crucial for optimal outcomes
- ✓ Hormonal or non-hormonal therapy should be considered for younger patients with early surgical menopause.



Case Report

A 35-year-old married, nulliparous woman with known hypertension presented with a 1.5-month history of intermittent abdominal pain and a progressively enlarging abdominal mass.

Ultrasound-guided biopsy revealed a neoplastic lesion with rhabdoid features, and immunohistochemistry was positive for myogenic markers, raising suspicion of rhabdomyosarcoma.

She presented to our tertiary care center with biopsy-proven uterine rhabdomyosarcoma.

Imaging

CT CAP showed a large solid-cystic pelvic mass measuring **26 × 31 × 16 cm**, inseparable from the uterus, with non-visualized ovaries.

Surgery

Total abdominal hysterectomy, Bilateral Salpingo-oophorectomy, and pelvic lymph node dissection (MDT Decision)

Intraoperatively, 600–700 mL of ascitic fluid was drained, and a large fleshy mass was noted arising from the uterine fundus. All visceral and parietal peritoneal surfaces were normal looking. Her post-operative course and follow-up was unremarkable

References:

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2. Lugata J, Smith C, Mrosso O, Rwenyagila D, Shao B, Mremi A. Management of a pure uterine corpus rhabdomyosarcoma in a postmenopausal patient: A rare case report and review of the literature. *Clin Case Rep.* 2023