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Beyond the typical leiomyoma: a rare case of Uterine Angioleiomyoma in a patient of reproductive age and fertility sparing operative management

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Introduction

Angioleiomyomas make up 0.6% of all leiomyomas of the female reproductive tract.

Case report

We present the case of a 20-year-old female patient, virgo intacta with no previous gynecological examinations, admitted to hospital with abdominal pain, a palpable mass per abdomen, and irregular menstrual bleeding developing rapidly over the course of a few months.

The ultrasound diagnosis of angioleiomyomas is challenging but the suspicion of angioleiomyoma should arise in the ultrasound presence of well-defined heterogenous structures with clearly increased vascularity associated with low RI of the blood vessels.

The differential diagnosis included leiomyoma of the uterus, leiomyosarcoma, and ovarian tumor.

Pathology

The definitive diagnosis was confirmed with Immunohistochemistry which excluded the presence of cytological atypia associated with malignant potential *Figure1*.

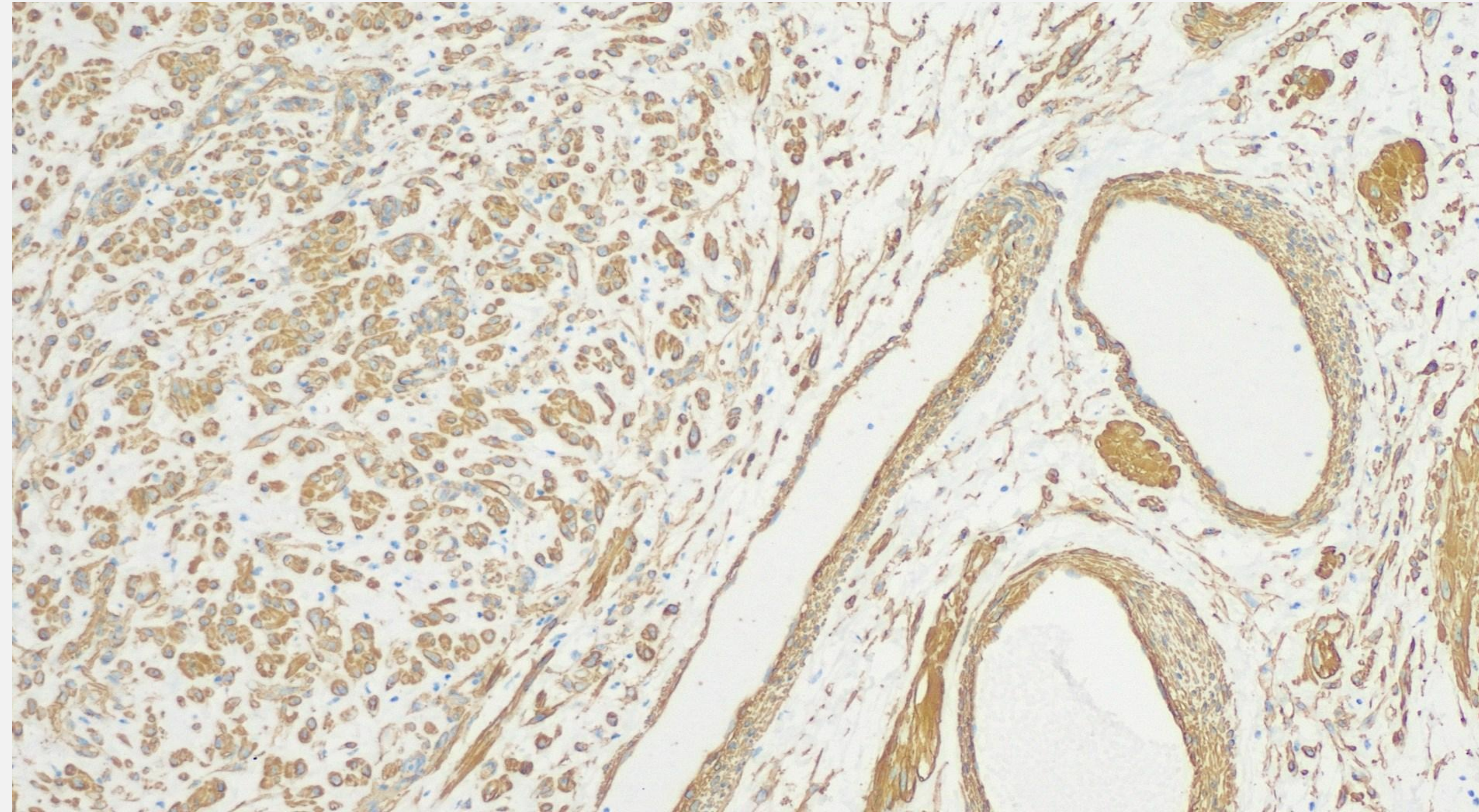


Figure1. Smooth-muscle cells around the blood vessels, and in the wall of the vascular channels (Caldesmon, x100)

Conclusion

Myomectomy remains the treatment of choice in patients desiring future fertility. This is further supported by low recurrence rates following tumor excision in literature

