

Malignant fibrous histiocyoma in a case of Uterine Leiomyoma and Ovarian endometriosis

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Background:Leiomyoma is a benign smooth muscle neoplasm which is not considered premalignant but rarely it may be developed sarcomatous changes. Endometriosis is growth of endometrial cells out side of the uterus. There are few reports of sarcoma associated with endometriosis. Malignant fibrous histiocyoma (MFH) is the most common soft tissue sarcoma of older adults. It usually occurs in extremities and retroperitoneum but may develop in other sites of the body. We want to present a case of MFH associated with uterine leiomyoma and ovarian endometriosis.

Case Report: a 42 y/o female presented with abdominal pain and abnormal uterine bleeding.

She underwent hysterectomy and bilateral salpingo-oophorectomy. During surgery a large retroperitoneal mass was seen and excised.

Pathologic findings revealed Subserosal leiomyoma and corpus luteum&endometriosis in right ovary and a large 15 ×12 Cm cystic mass which was reported as malignant fibrous histiocyoma.

Immunohistochemistry result was -ve for S100, and +ve for vimentin and confirmed the diagnosis.

Result: We found an association between uterine leiomyoma, and ovarian endometriosis and malignant fibrous histiocyoma in this patient.

Conclusion: It seems that there was an association between endometriosis and Leiomyoma and MFH in this patient. As a differential diagnosis we considered pleomorphic type of leiomyosarcoma in this case.

Key Words: Malignant fibrous histiocyoma, Leiomyoma, Endometriosis