

Subject ID: LM00002  
Pathology Report Date: 10/28/97  
Pathology Report Summary

**SPECIMEN:**

- A. Right ovarian mass (FS)
- B. Uterus, left tube and ovary, right ovarian mass portion of infundibulopelvic ligament, cervix

**FROZEN SECTION DIAGNOSIS:**

Right ovarian mass – smooth muscle tumor, malignant potential deferred for permanent sections.

**GROSS DESCRIPTION:**

A. The right ovarian mass is a somewhat lobulated irregular mass submitted in two fragments. The larger portion measures 6.0 x 5.0 x 5.0 cm. The surface consists of lobulated soft whitish-pink tissue. On cut section the lesion is solid and consists of fairly hemorrhagic soft tissue throughout. A smaller second portion measures 3.0 x 1.0 x 1.0 cm. There is no apparent capsule. The tumor is sampled in two different areas for frozen section,

B. The specimen is submitted in the fresh state, labeled “uterus, left tube, and ovary, right ovarian mass portion of the infundibulopelvic ligament, cervix” and consists of two pieces of tissue. The first consists of a partially opened uterus with attached right Fallopian tube and a fragment of the right ovary, left Fallopian tube and left ovary and an irregularly shaped mass, which extends from the right surface of the uterus. The second piece of tissue consists of an amputated exocervix. The uterus and attached mass have an aggregate weight of 597 grams. The uterus measures 10.0 x 5.0 x 4.0 cm. and is in general symmetrical. The attached mass measures 15.0 x 10.0 x 6.0 cm. and is almost entirely covered with a membrane except for a disrupted area which extends through the mid point. The uterus has been partially sectioned and the mass appears to be present in a portion of the right myometrium which is connected to the mass. Sections are taken of this area to demonstrate the connection and placed in cassettes #7 and 8. The serosal surface of the uterus is smooth and glistening. The amputated exocervix measures 4.0 cm. in diameter and 1.5 cm. in greatest depth. The cervical os measures 1.5 x 0.2 cm. and is surrounded by irregular hyperemic epithelium. On sectioning the endocervical canal, the tissue is irregular, but otherwise unremarkable. The endometrial cavity measures 4.0 x 1.5 cm. The endometrial lining measures 0.1 cm. in greatest thickness, is smooth, but focally hyperemic. On sectioning, the myometrium, except for the area on the right side containing the tumor, is otherwise unremarkable and measures 2.5 cm. in greatest depth. The tumor attached to the uterus does not grossly appear to penetrate through the covering membrane. On sectioning, the tumor is diffusely hemorrhagic and friable except for focal solid tan-white areas. Multiple sections are taken to include the overlying membrane. The right Fallopian tube measures 9.0 x 0.3 cm. and ends in delicate fimbriae. A fragment of the right ovary is present and measures 1.5 x 1.0 x 1.0 cm. On sectioning,

the tissue is fibrous, tan-white and homogeneous. The left Fallopian tube measures 9.0 x 0.3 cm. and also ends in delicate fimbriae. The left ovary measures 2.5 x 1.0 x 0.7 cm. and on sectioning, is diffusely fibrous. No other lesions are observed.

#### MICROSCOPIC DESCRIPTION

The submitted material shows a moderately to poorly-differentiated leiomyosarcoma. The tumor is present in the specimen labeled "right ovarian mass" and in the hysterectomy specimen in the large mass adjacent to the uterus with focal extension into the uterus. The lesion shows a high mitotic rate with as many as seven mitoses per high power field identified. There are also areas of cytologic atypia, round cell areas, and multifocal areas of necrosis. The tumor has a pushing margin and is predominantly surrounded by a fibrous pseudocapsule, however, focally the tumor extends to the inked outer margin of the specimen.

#### DIAGNOSIS

A,B, Uterus, fallopian tubes and ovaries, right ovarian mass and portion of infundibulopelvic ligament, excision –

Moderately to poorly-differentiated leiomyosarcoma.

The tumor measures 15.0 x 10.0 x 6.0 cm.

Weakly-proliferative endometrium.

Mild chronic cervicitis.

Fallopian tubes with no significant histopathologic abnormality.

Right ovary with changes consistent with endometriosis with tubal metaplasia and hemosiderin-laden macrophages.

Left ovary with no significant histopathologic abnormality.

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**SPECIMEN:** Ascites

**GROSS DESCRIPTION:**  
The specimen consists of 2 cc of bloody fluid.

**DIAGNOSIS:**  
Ascites fluid: Negative for malignant cells.

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Pathology Report Date: 01/24/04  
Pathology Report Summary

**SPECIMEN:**

A. Hernia sac

**CLINICAL NOTES:**

Pre-Op Diagnosis: Incisional hernia

History: Uterine leiomyosarcoma with right ovary involvement

**GROSS DESCRIPTION:**

The specimen is submitted in the fresh state, labeled "hernia sac," and consists of a sacular piece of red-brown thick membranous tissue measuring 6.0 cm. across and up to 2.0 cm in the greatest depth. A portion of the surface exhibits a number of fibrous adhesions. One surface also exhibits a rounded defect, measuring 2.5 cm. in diameter. On sectioning, the interior lining is smooth. The tissue between the interior and exterior surfaces exhibits multiple focal areas containing bloody material. In addition, portions of the blood are present between the walls of the sac, forming numerous small hemorrhagic areas. No other lesions are observed.

**MICROSCOPIC DESCRIPTION:**

All four sections show a spindle cell proliferation suggestive of smooth muscle origin. This proliferation shows moderate to focal severe cytologic atypia. Scattered mitotic figures are easily identified, and a rare atypical form is noted. Within the tumor are areas of degeneration and ectatic vessels. This tumor is histologically similar to the previously diagnosed leiomyosarcoma. The overlying fibrous lining is consistent with a hernia sac. Sections were reviewed by multiple colleagues, with agreement regarding the interpretation.