

ICB-0-3

adenocarcinoma, endometrioid, nos 8380/3

Site: endometrium C54.1

4/21/11 *h*

## Surgical Pathology Consultation Report

Gender: F

UUID:1D5567D9-3015-452E-9888-2E67F91D6820  
TCGA-EO-A22T-01A-PR

Redacted



### Specimen(s) Received

1. Uterus: CERVIX, BILATERAL OVARIES AND FALLOPIAN TUBES
2. Lymph node: Rt pelvic nodes
3. Lymph node: Lt external iliac nodes
4. Lymph node: Lt obturator nodes
5. Lymph node: Para-aortic nodes

### Diagnosis

1. Uterus, cervix, bilateral ovaries & fallopian tubes:

Uterus:

**Endometrial adenocarcinoma, endometrioid type, FIGO grade 3/3 with**

- Invasion into inner half of myometrium
- Positive for involvement of cervix
- Extensive lymphovascular space invasion
- Vaginal cuff: negative for carcinoma
- Background endometrium: inactive
- Others: leiomyoma, adenomyosis

PLEASE SEE COMMENT and SYNOPTIC REPORT

Right ovary: negative for tumor

Right fallopian tube: negative for tumor

Left ovary: negative for tumor

Left fallopian tube: chronic salpingitis

2. Lymph nodes, Right pelvic:

Nine lymph nodes negative for carcinoma (0/9)

3. Lymph nodes, left external iliac:

Six lymph nodes negative for carcinoma (0/6)

4. Lymph nodes, left obturator:

Criteria	Yes	No
Diagnosis Discrepancy		X
Primary Tumor Site Discrepancy		X
HIPAA Discrepancy		X
Prior Malignancy History		X
Dual/Synchronous Primary Malignancy		X
Case # (circle):	QUALIFIED	DISQUALIFIED
Reviewed By: <i>RML</i>	Date Reviewed: <i>4/24/11</i>	

Four lymph nodes negative for carcinoma (0/4)

5. Lymph nodes, Para-aortic:

Eleven lymph nodes negative for carcinoma (0/11)

### **Synoptic Data**

Specimen Type (s):	Total Hysterectomy, Left ovary, Right ovary, Left fallopian tube, Right fallopian tube, Other: Lymph nodes
Tumor Site:	Location(s): Anterior and posterior endometrial cavity
Tumor Size:	Greatest dimension: 3.6 cm
Other Organs Present:	Lymph nodes
Histologic Type:	Endometrioid adenocarcinoma, not otherwise characterized
Histologic Grade:	G3: More than 50% nonsquamous solid growth
Myometrial Invasion:	Inner half invasion
Cervix Involvement:	Mucosal involvement
Venous/Lymphatic (Large/Small Vessel) Invasion (V/L):	Present
Nodal Involvement:	None
Margins:	Uninvolved by invasive carcinoma
Pathologic Staging (pTNM):	pT2a (IIA): Endocervical glandular involvement only
Regional Lymph Nodes (pN):	pN0: No regional lymph node metastasis Number of regional lymph nodes examined: 30 Number of regional lymph nodes involved: 0
Distant Metastasis (pM):	pMX: Distant metastasis cannot be assessed
Additional Pathologic Findings:	Other: adenomyosis, leiomyoma

### **Comment**

Tumor has two different patterns. In the better differentiated areas it forms tubuloglandular structures while in the other areas it has a solid pattern with high-grade cytologic atypia and an undifferentiated appearance and this solid component is more than 50% of the tumor. There is extensive lymphovascular space involvement within myometrium. The tumor within vascular spaces has the undifferentiated morphology.

Immunohistochemistry staining reveals positive staining of tumor cells in the glandular areas for estrogen receptor (ER) and focally progesterone receptor (PR). ER and PR are negative in the solid component. P53, synaptophysin and chromogranin markers also appear negative.

verified by:

Electronically

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### **Clinical History**

ENDOMETRIAL CA

### **Gross Description**

The specimen labeled the patient's name and as "uterus, cervix, bilateral ovaries and fallopian tubes", consists of a 92.2 g, 8.3 SI x 4.2 ML x 3.3 AP hysterectomy, bilateral salpingo-oophorectomy specimen, received fresh. Vaginal cuff is present posteriorly and measures 2 cm x 0.5 cm, painted with India ink. The exocervix measures 2.5 cm in maximum diameter. The external os is slit like and measures 0.4 cm in diameter. The endocervical canal measures 2.0 cm in length. The uterine cavity measures 4.0 x 2.0 cm. The endometrium measures 0.5 cm in thickness and has a dull and irregular granular surface posteriorly. section for tumor bank is taken. The anterior endometrium has a polypoid mass measuring 3.6 cm SIx1.7cm ML. There is intramural leiomyoma measuring 0.8cm in diameter. The myometrium has a maximum thickness of 1.3 cm. The serosa is smooth anteriorly and has some adhesions in lower part. It is a piece all of fat attached to the anterior serosal surface measuring 2 x 1.5 x 1 cm, it is painted Silver nitrate. There is a subserosal leiomyoma on the posterior wall near fundus measuring 1.8 x 1 cm. The right fallopian tube measures 6.0 cm in length and 0.4 cm in diameter. The right fimbria received in separate container and measures 1.5x1.2x0.3cm. The right ovary measures 2.8 x 1.0 x 0.5 cm and is grossly unremarkable. Sections are taken for biobank . The left fallopian tube measures 6.5 cm in length x 0.4 cm in diameter. The fimbriated end is received in a separate container and measures 1.6x1.4x0.3cm. The left ovary measures 3.2 x 1.2 x 0.6 cm and is grossly unremarkable. Sections are sampled for tissue banking. Representative sections are submitted as follows:

- 1A-1C biobank
- 1D vaginal cuff
- 1E Anterior exo and endo cervix
- 1F anterior LUS
- 1G posterior endo and exo cervix
- 1H posterior LUS and endometrium
- 1I-1K full thickness section posterior endomyometrium
- 1L-1M full thickness posterior endomyometrium

1N longitudinal section through cervix and endometrial canal

- 1O leiomyoma
- 1P intramural leiomyoma
- 1Q-1W polypoid lesion on anterior endometrium in toto(1V,1W contain adhered fat)
- 1X remaining serosal fat
- 1Y granular endometrium
- 1Z normal endometrium
- 1AA-1AC right ovary
- 1AD right fimbria
- 1AE right fallopian tube
- 1AF-1AH left ovary
- 1AI left fimbria
- 1AJ left fallopian tube

2. Specimen container is labeled with patient information and as "right pelvic nodes" consist of fibrofatty tissue measuring 4 cm x 2.5 cm x 0.6 cm. It contains a lymph node measuring 0.6 x 0.5 x 0.5 cm

- 2A one lymph node bisected
- 2B- 2C remaining fat

3. Specimen container is labeled with patient formation and as "left external iliac lymph nodes" consist of fibrofatty tissue measuring 3 cm by 1.5 x 1 cm. It contains multiple lymph nodes the largest measures 1.5 x 0.7 by 0.5 cm and the smallest measure is 0.3 x 0.2 x 0.3 cm.

- 3A one lymph node bisected
- 3B-three lymph nodes
- 3C-one bisected lymph node
- 3D-remaining fat

4. Specimen container is labeled with patient and formation and as left obturator lymph nodes consist of fatty tissue measuring in to centimeter by 1.5 cm x 0.4 cm containing one lymph node measuring 0.4 x 0.2 x 0.2 cm.

4A-one lymph node

4B-remaining fat

5. The container is labeled with patient formation and as paraaortic nodes consist of two fragments of fibrofatty tissue measuring 5 cm by 2.4 x 0.5 cm and 1.5 x 1.6 by 0.4 cm. It and is much enforce the largest one measuring 2 cm x 1 cm x 0.5 cm. The smallest lymph node measures 0.3 x 0.2 x 0.2 cm.

5A-lymph node bisected

5B-two lymph nodes

5C- 5D remaining adipose tissue

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