



CALIFORNIA  
TUMOR TISSUE REGISTRY

“TUMORS OF THE FEMALE GENITAL TRACT”

Minutes – Subscription B

January, 2004



**SUGGESTED READING (General Topics from Recent Literature):**

Long-Term Follow-Up of Juvenile Nasopharyngeal Angiofibromas: Analysis of Recurrences. Herman P, Lot G, Chapot R, et al. *Laryngoscope*, 1999 Jan; 109(1):140-7.

Vulvar Disease. Foster DC. *Gynecol*, 2002 Jul; 100(1):145-63. Review

Prostate Carcinoma: Defining Therapeutic Objectives and Improving Overall Outcomes. Scher HI. *Cancer*, 2003 Feb 1; 97(3) Suppl:758-71. Review.

Male Versus Female Breast Cancers: A Population-Based Comparative Immunohistochemical Analysis. Muir D, Kanthan R, Kanthan SC. *Arch Pathol Lab Med*, 2003 Jan; 127(1):36-41.

Neurofibromatosis: Implications for the General Surgeon. Seymour-Dempsey K, Andrassy R. *J Am Coll Surg*, 2002 Oct; 195(4):553-63. Review

California Tumor Tissue Registry  
c/o: Department of Pathology and Human Anatomy  
Loma Linda University School of Medicine  
11021 Campus Avenue, AH 335  
Loma Linda, California 92350  
(909) 558-4788  
FAX: (909) 558-0188  
E-mail: [cttr@linkline.com](mailto:cttr@linkline.com)  
Web site & Case of the Month: [www.cttr.org](http://www.cttr.org)

## **FILE DIAGNOSES**

**CTTR Subscription B**

**January, 2004**

**Case 1:**

**Adenomatoid tumor, uterus  
T-82000, M-90540**

**Case 2:**

**Lipoleiomyoma, uterus  
T-82000, M-88900**

**Case 3:**

**Low grade endometrial stromal sarcoma, uterus  
T-82000, M-89303**

**Case 4:**

**Villoglandular adenocarcinoma, cervix  
T-83000, M-81403**

**Case 5:**

**Adenomyoma of uncertain malignant potential, uterus  
T-82000, M-99320**

**Case 6:**

**Mucinous cystic tumor of low malignant potential and mucinous dissection (pseudomyxoma peritonei), ovary  
T-87000, M-90150, M-84806**

**Case 7:**

**Sclerosing stromal tumor/sclerosing fibrothecoma, ovary  
T-87000, M-85901**

**Case 8:**

**Mixed endometrioid and serous adenocarcinoma, ovary  
T-87000, M-83803, M-84413**

**Case 9:**

**Brenner tumor, ovary  
T-87000, M-90000**

**Case 10:**

**Metastatic mixed germ cell tumor (embryonal and yolk sac carcinoma), lung  
T-28000, M-89403**

Escondido - Angioleiomyoma  
Glendale (Glendale Pathology Association) - Angiomyoma  
Granada Hills - Vascular leiomyoma  
Loma Linda (LLUMC Residents) - Hyaline change in leiomyoma, focal adenomyosis, possible intravascular leiomyomatosis  
Orange (UCI Medical Center Residents) - Leiomyoma  
Sacramento (U.C. Davis Medical Center) - Hyalinized leiomyoma  
San Fernando (K-R San Fernando Valley Group) - Carcinoid tumor in leiomyoma, uterus (1); Carcinoid in leiomyoma (1)  
San Francisco (San Francisco General Hospital) - Adenomatoid tumor  
Arizona (Phoenix Memorial Hospital) - Adenomatoid tumor; adenomyosis in myometrium  
Arkansas (University of Arkansas Medical Center) - Hyalinized leiomyoma, adenomyosis  
Colorado, Denver - Adenofibroma  
Florida (Winter Haven Hospital) - Hyalinized leiomyoma  
Georgia, Decatur - Epithelioid (plexiform) leiomyoma  
Illinois (Heartland Regional Medical Center) - Leiomyoma, plexiform epithelioid type  
Kansas (Coffeyville Regional Medical Center) - Vascular leiomyoma with hyalinization  
Kansas, Manhattan - Leiomyoma  
Kentucky (University of Louisville Hospital) - Adenomatoid tumor vs. lymphangioma vs. hyalinized leiomyoma  
Louisiana (LSUHSC - Shreveport Pathology Residents) - Hemangioma  
Louisiana, Metairie - Leiomyoma with diffuse hyaline degeneration  
Maryland (Johns Hopkins Medical Center) - Sclerosed leiomyoma  
Maryland (National Cancer Institute) - Adenofibroma  
Maryland (National Naval Medical Center) - Vascular leiomyoma (15); Intravascular leiomyomatosis (1)  
Michigan (Henry Ford Hospital) - Hyalinized leiomyoma, uterus  
Michigan (Spectrum Health) - Leiomyoma with hyaline change  
Michigan (St. Joseph Mercy Hospital) - Leiomyoma  
Missouri, Joplin - Epithelioid leiomyoma (leiomyoblastoma type), hyalinized  
New York (Nassau University Medical Center) - Adenomatoid tumor  
New York (Stony Brook University Hospital) - Leiomyoma  
Pennsylvania (Drexel University College of Medicine) - Hyalinizing endometrial stromal cell tumor vs. sclerosing leiomyoma  
Pennsylvania (Memorial Medical Center) - Adenomatoid tumor  
Pennsylvania (UPMC/Shadyside) - Angiolipoleiomyoma with adenomyosis  
Rhode Island (Brown University Pathology Residents) - Leiomyoma with hyaline change  
Texas (Scott & White Hospital) - Hyalinized leiomyoma  
Texas, Lubbock - Intravenous leiomyoma  
Texas, San Antonio - Endometrial stromal nodule  
Washington, D.C. - Leiomyomatosis  
Canada (University of Calgary, Foothills Hospital) - Leiomyoma  
China (Sir Run Run Shaw Hospital) - Leiomyoma, with extensive hyalinization  
Italy, Naples - Hyalinized endometrial stromal nodule  
Japan (Hamamatsu University School of Medicine) - Adenomatoid tumor  
Japan (Gunma University Hospital) - Hyalinizing leiomyoma, uterus  
Japan, Chiba - Plexiform leiomyoma of uterus  
Qatar, Doha - Endometrial stromal nodule (5); Leiomyoma (3)  
Saudi Arabia, Alhassa (MCH, KFHH) - Leiomyoma with hyalinization  
Spain (Povisa) - Plexiform leiomyoma  
The Netherlands, Amstelveen - Hyalinized angiomyoma & adenomyosis

**Case 1 - Diagnosis:****Adenomatoid tumor, uterus****T-82000, M-90540****Case 1 - References:**

- Nogales FF, Isaac MA, Hardisson D, et al: Adenomatoid Tumors of the Uterus: An Analysis of 60 Cases. *Int J Gynecol Pathol*, 2002 Jan; 21(1):34-40.  
 Kawamura K, Sekiguchi K, Shibata S, et al: Immunohistochemical Analysis of Adenomatoid Tumor of the Uterus Utilizing of Monoclonal Antibody HBME-1. *Acta Obstet Gynecol Scand*, 2000 Sep; 79(9):789-9.  
 Mitsumori A, Morimoto M, Matsubara S, et al: MR Appearance of Adenomatoid Tumor of the Uterus. *J Comput Assist Tomogr*, 2000 Jul-Aug; 24(4):610-3.  
 De Stefano D, Faticanti Scucchi L, Covello R, et al: Uterine Diffuse Adenomatoid Tumor: Does It Represent A Different Biological Entity? *Gynecol Obstet Invest*, 1998; 46(1):68-72.

Klintorp S, Grinsted L, Franzmann MB: Adenomatoid Tumor of the Uterus. *Eur J Obstet Gynecol Reprod Biol*, 1993 Aug; 50(3):255-7.

**Case No. 2, Accession No. 28091**

**January, 2004**

Escondido - Lipoleiomyoma  
Glendale (Glendale Pathology Association) - Lipoleiomyoma  
Granada Hills - Lipoleiomyoma  
Loma Linda (LLUMC Residents) - Lipoleiomyoma  
Orange (UCI Medical Center Residents) - Lipoleiomyoma  
Sacramento (U.C. Davis Medical Center) - Lipoleiomyoma  
San Fernando (K-R San Fernando Valley Group) - Angiomyolipoma - portion focal, cellular leiomatous, do Factor VIII (1); Angiomyolipoma; adenomatoid tumor (1)  
San Francisco (San Francisco General Hospital) - Lipoleiomyoma  
Arizona (Phoenix Memorial Hospital) - Lipoleiomyoma  
Arkansas (University of Arkansas Medical Center) - Lipoleiomyoma  
Colorado, Denver - Low grade leiomyosarcoma  
Florida (Winter Haven Hospital) - Lipoleiomyoma  
Georgia, Decatur - Lipoleiomyoma  
Illinois (Heartland Regional Medical Center) - Lipoleiomyoma  
Kansas (Coffeyville Regional Medical Center) - Lipoleiomyoma  
Kansas, Manhattan - Lipoleiomyoma  
Kentucky (University of Louisville Hospital) - Lipoleiomyoma  
Louisiana (LSUHSC - Shreveport Pathology Residents) - Myolipoma  
Louisiana, Metairie - Lipoleiomyoma  
Maryland (Johns Hopkins Medical Center) - Leiomyoma  
Maryland (National Cancer Institute) - Leiomyoma  
Maryland (National Naval Medical Center) - Lipoleiomyoma  
Michigan (Henry Ford Hospital) - Lipoleiomyoma, uterus  
Michigan (Spectrum Health) - Leiomyoma  
Michigan (St. Joseph Mercy Hospital) - Lipoleiomyoma  
Missouri, Joplin - Lipoleiomyoma  
New York (Nassau University Medical Center) - Lipoleiomyoma  
New York (Stony Brook University Hospital) - Lipoleiomyoma  
Pennsylvania (Drexel University College of Medicine) - Adenomatoid tumor vs. lipomyoma  
Pennsylvania (Memorial Medical Center) - Lipoleiomyoma  
Pennsylvania (UPMC/Shadyside) - Lipoleiomyoma  
Rhode Island (Brown University Pathology Residents) - Lipoleiomyoma  
Texas (Scott & White Hospital) - Lipoleiomyoma  
Texas, Lubbock - Lipoleiomyoma  
Texas, San Antonio - Lipoleiomyoma  
Washington, D.C. - Fibroid  
Canada (University of Calgary, Foothills Hospital) - Lipoleiomyoma  
China (Sir Run Run Shaw Hospital) - Lipoleiomyoma  
Italy, Naples - Lipoleiomyoma  
Japan (Hamamatsu University School of Medicine) - Lipoleiomyoma  
Japan (Gunma University Hospital) - Lipoleiomyoma, uterus  
Japan, Chiba - Lipoleiomyoma of uterus  
Qatar, Doha - Lipoleiomyoma  
Saudi Arabia, Alhassa (MCH, KFHH) - Leiomyoma  
Spain (Povisa) - Lipoleiomyoma  
The Netherlands, Amstelveen - Lipoleiomyoma

**Case 2 - Diagnosis:**

**Lipoleiomyoma, uterus  
T-82000, M-88900**

**Case 2 - References:**

Sieinski W: Lipomatous Neometaplasia of the Uterus: Report of 11 Cases With Discussion of Histogenesis and Pathogenesis. *Int J Gynecol Pathol*, 1989; 8(4):357-63.

- Su SH, Wang PH, Chang SP, Su MC: Preoperative Diagnosis of a Uterine Lipoleiomyoma Using Ultrasound and Computed Tomography Images: A Case Report. *Eur J Gynaecol Oncol*, 2001; 22(6):439-40.
- Shintaku M: Lipoleiomyomatous Tumors of the Uterus: A Heterogeneous Group? Histopathological Study of Five Cases. *Pathol Int*, 1996 Jul; 46(7):498-502.
- Mira JL: Lipoleiomyoma of the Ovary: Report of a Case and Review of the English Literature. *Int J Gynecol Pathol*, 1991; 10(2):198-202. Review.
- Hashiguchi J, Ito M, Kishikawa M, et al: Intravascular Leiomyomatosis With Uterine Lipoleiomyoma. *Gynecol Oncol*, 1994 Jan;52(1):94-8.
- Hisaoka M, Sheng WQ, Tanaka A, Hashimoto H: HMGIC Alterations in Smooth Muscle Tumors of Soft Tissues and Other Sites. *Cancer Genet Cytogenet*, 2002 Oct 1; 138(1):50-5.

### Case No. 3, Accession No. 25621

January, 2004

Escondido - Low grade endometrial stromal sarcoma  
Glendale (Glendale Pathology Association) - Endometrial stromal sarcoma, low grade  
Granada Hills - Endometrial stromal nodule  
Loma Linda (LLUMC Residents) - Endometrial stromal sarcoma (low grade)  
Orange (UCI Medical Center Residents) - Low grade endometrial stromal sarcoma  
Sacramento (U.C. Davis Medical Center) - Low grade endometrial stromal sarcoma  
San Fernando (K-R San Fernando Valley Group) - Endolymphatic stromal myosis (2)  
San Francisco (San Francisco General Hospital) - Endometrioid stromal sarcoma, low grade  
Arizona (Phoenix Memorial Hospital) - Endometrial stromal sarcoma, low grade  
Arkansas (University of Arkansas Medical Center) - Low-grade endometrial stromal sarcoma  
Colorado, Denver - Stromal sarcoma  
Florida (Winter Haven Hospital) - Low grade endometrial stromal sarcoma  
Georgia, Decatur - Low grade endometrioid stromal sarcoma  
Illinois (Heartland Regional Medical Center) - Low grade endometrial stromal sarcoma  
Kansas (Coffeyville Regional Medical Center) - Low grade endometrial stromal sarcoma (endolymphatic stromal myosis)  
Kansas, Manhattan - Low grade stromal sarcoma  
Kentucky (University of Louisville Hospital) - Low-grade endometrial stromal sarcoma  
Louisiana (LSUHSC - Shreveport Pathology Residents) - Low grade endometrial stromal sarcoma  
Louisiana, Metairie - Endometrial stromal sarcoma  
Maryland (Johns Hopkins Medical Center) - Low grade endometrial stromal sarcoma  
Maryland (National Cancer Institute) - Low grade endometrial stromal sarcoma with leiomyoma  
Maryland (National Naval Medical Center) - Endometrial stromal sarcoma, low grade  
Michigan (Henry Ford Hospital) - Low grade endometrial stromal sarcoma, uterus  
Michigan (Spectrum Health) - Endometrial stromal sarcoma  
Michigan (St. Joseph Mercy Hospital) - Low grade endometrial stromal sarcoma  
Missouri, Joplin - Endometrial stromal sarcoma, low grade  
New York (Nassau University Medical Center) - Low grade endometrial stromal tumor  
New York (Stony Brook University Hospital) - Endometrial stromal sarcoma, low grade  
Pennsylvania (Drexel University College of Medicine) - Endometrial stromal cell tumor (low grade)  
Pennsylvania (Memorial Medical Center) - Low grade endometrial stromal sarcoma  
Pennsylvania (UPMC/Shadyside) - Low grade endometrial stromal sarcoma  
Rhode Island (Brown University Pathology Residents) - Endometrial stromal sarcoma, low grade  
Texas (Scott & White Hospital) - Endometrial stromal sarcoma  
Texas, Lubbock - Low grade stromal sarcoma  
Texas, San Antonio - Low grade endometrial stromal sarcoma  
Washington, D.C. - Endometrial stromal sarcoma, low grade  
Canada (University of Calgary, Foothills Hospital) - Low grade endometrial stromal sarcoma  
China (Sir Run Run Shaw Hospital) - Low-grade endometrial stromal sarcoma  
Italy, Naples - Low grade endometrial stromal sarcoma  
Japan (Hamamatsu University School of Medicine) - Endometrioid stromal sarcoma, low grade  
Japan (Gunma University Hospital) - Low grade endometrioid stromal tumor, uterus  
Japan, Chiba - Low grade endometrioid stromal sarcoma of uterus  
Qatar, Doha - Low grade endometrial stromal sarcoma (endolymphatic stromal myosis)  
Saudi Arabia, Alhassa (MCH, KFHH) - Low grade endometrial stromal sarcoma  
Spain (Povisa) - Low-grade stromal sarcoma  
The Netherlands, Amstelveen - Low grade endometrial stromal sarcoma

### **CASE 3 - Diagnosis:**

**Low grade endometrial stromal sarcoma, uterus  
T-82000, M-89303**

#### **Case 3 - References:**

- Yilmaz A, Rush DS, Soslow RA: Endometrial Stromal Sarcomas With Unusual Histologic Features: A Report of 24 Primary And Metastatic Tumors Emphasizing Fibroblastic and Smooth Muscle Differentiation. *Am J Surg Pathol*, 2002 Sep; 26(9):1142-50.
- Styron SL, Burke TW, Linville WK: Low-Grade Endometrial Stromal Sarcoma Recurring Over Three Decades. *Gynecol Oncol*, 1989 Nov; 35(2):275-8.
- Chu PG, Arber DA, Weiss LM, Chang KL: Utility of CD10 in Distinguishing Between Endometrial Stromal Sarcoma and Uterine Smooth Muscle Tumors: An Immunohistochemical Comparison of 34 Cases. *Mod Pathol*, 2001 May; 14(5):465-71.
- Longacre TA, Hendrickson MR, Kapp DS, Teng NN: Lymphangioleiomyomatosis of the Uterus Simulating High-Stage Endometrial Stromal Sarcoma. *Gynecol Oncol*, 1996 Dec; 63(3):404-10. Review.
- Ueda M, Otsuka M, Hatakenaka M, et al: MR Imaging Findings of Uterine Endometrial Stromal Sarcoma: Differentiation From Endometrial Carcinoma. *Eur Radiol*, 2001; 11(1):28-33.

**Case No. 4, Accession No. 29760**

**January, 2004**

- Escondido - Endocervical adenocarcinoma, endometrioid type
- Glendale (Glendale Pathology Association) - Adenocarcinoma
- Granada Hills - Villoglandular adenocarcinoma, well-differentiated
- Loma Linda (LLUMC Residents) - Cervical adenocarcinoma, endometrioid type
- Orange (UCI Medical Center Residents) - Adenocarcinoma
- Sacramento (U.C. Davis Medical Center) - Endometrioid carcinoma arising in endometriosis
- San Fernando (K-R San Fernando Valley Group) - Endocervical adenocarcinoma (1); adenocarcinoma, endocervix (1)
- San Francisco (San Francisco General Hospital) - Carcinosarcoma
- Arizona (Phoenix Memorial Hospital) - Well-differentiated villoglandular adenocarcinoma, CIN III of endocervix
- Arkansas (University of Arkansas Medical Center) - Endometrioid adenocarcinoma
- Colorado, Denver - Grade I adenocarcinoma
- Florida (Winter Haven Hospital) - Polypoid adenocarcinoma, focal invasion, focal squamous differentiation
- Georgia, Decatur - Endocervical adenocarcinoma
- Illinois (Heartland Regional Medical Center) - Endometrioid adenocarcinoma, Grade I
- Kansas (Coffeyville Regional Medical Center) - Infiltrating adenocarcinoma, cervix, FIGO grade I, nuclear grade II
- Kansas, Manhattan - Adenocarcinoma, endometrioid type
- Kentucky (University of Louisville Hospital) - Invasive adenocarcinoma of cervix
- Louisiana (LSUHSC - Shreveport Pathology Residents) - Villoglandular adenocarcinoma with endometrioid features
- Louisiana, Metairie - Villoglandular papillary adenocarcinoma
- Maryland (Johns Hopkins Medical Center) - Adenocarcinoma, secretory type
- Maryland (National Cancer Institute) - Endometrioid adenocarcinoma
- Maryland (National Naval Medical Center) - Invasive adenocarcinoma
- Michigan (Henry Ford Hospital) - Adenocarcinoma, villoglandular type, cervix
- Michigan (Spectrum Health) - Adenocarcinoma, endometrioid
- Michigan (St. Joseph Mercy Hospital) - Well-differentiated adenocarcinoma
- Missouri, Joplin - Adenocarcinoma (papillary) villoglandular, + vascular invasion
- New York (Nassau University Medical Center) - Cervical adenocarcinoma
- New York (Stony Brook University Hospital) - Cervical adenocarcinoma, endocervical type
- Pennsylvania (Drexel University College of Medicine) - Villoglandular adenocarcinoma and papillary endometrioid adenocarcinoma
- Pennsylvania (Memorial Medical Center) - Adenocarcinoma
- Pennsylvania (UPMC/Shadyside) - Endocervical adenocarcinoma in part, high grade and squamous cell carcinoma in-situ with HPV changes
- Rhode Island (Brown University Pathology Residents) - Endometrioid adenocarcinoma, cervix
- Texas (Scott & White Hospital) - Invasive endocervical adenocarcinoma
- Texas, Lubbock - Villoglandular carcinoma
- Texas, San Antonio - Invasive endocervical adenocarcinoma/CIN III
- Washington, D.C. - Adenocarcinoma, endometrioid
- Canada (University of Calgary, Foothills Hospital) - Endocervical adenocarcinoma
- China (Sir Run Run Shaw Hospital) - Well-differentiated endometrioid adenocarcinoma
- Italy, Naples - Endocervical adenocarcinoma with villoglandular features
- Japan (Hamamatsu University School of Medicine) - Endometrioid adenocarcinoma of the cervix

[Japan \(Gunma University Hospital\)](#) - Villoglandular adenocarcinoma, uterine cervix  
[Japan, Chiba](#) - Endometrioid adenocarcinoma of uterine cervix  
[Qatar, Doha](#) - Villoglandular adenocarcinoma  
[Saudi Arabia, Alhassa \(MCH, KFHH\)](#) - Villoglandular endometrial carcinoma  
[Spain \(Povisa\)](#) - Villoglandular adenocarcinoma (papillary)  
[The Netherlands, Amstelveen](#) - Adenocarcinoma of uterine cervix and focal squamous CIN III

#### **Case 4 - Diagnosis:**

**Villoglandular adenocarcinoma, cervix**  
**T-83000, M-81403**

#### **Case 4 - References:**

Young RH, Clement PB: Endocervical Adenocarcinoma and Its Variants: Their Morphology and Differential Diagnosis. *Histopathology*, 2002 Sep; 41(3):185-207.  
 Khunamornpong S, Siriaunkgul S, Suprasert P: Well-Differentiated Villoglandular Adenocarcinoma of the Uterine Cervix: Cytomorphologic Observation of Five Cases. *Diagn Cytopathol*, 2002 Jan; 26(1):10-4.  
 Khunamornpong S, Maleemonkol S, Siriaunkgul S, Pantusart A: Well-Differentiated Villoglandular Adenocarcinoma Of the Uterine Cervix: A Report of 15 Cases Including Two With Lymph Node Metastasis. *J Med Assoc Thai*, 2001 Jun; 84(6):882-8.  
 Yamazawa K, Matsui H, Seki K, et al: Human Papillomavirus-Positive Well-Differentiated Villoglandular Adenocarcinoma of the Uterine Cervix: A Case Report and Review of the Literature. *Gynecol Oncol*, 2000 Jun; 77(3):473-7. Review.

#### **Case No. 5, Accession No. 24534**

**January, 2004**

[Escondido](#) - Atypical polypoid adenomyoma  
[Glendale \(Glendale Pathology Association\)](#) - Atypical polypoid adenomyoma of Mazur  
[Granada Hills](#) - Adenomyoma  
[Loma Linda \(LLUMC Residents\)](#) - Adenomyofibroma  
[Orange \(UCI Medical Center Residents\)](#) - Adenosarcoma  
[Sacramento \(U.C. Davis Medical Center\)](#) - Adenomyoma  
[San Fernando \(K-R San Fernando Valley Group\)](#) - Adenomyoma, fundus uteri (1); Adenomyosis with cystic glandular changes (1)  
[San Francisco \(San Francisco General Hospital\)](#) - Adenosarcoma  
[Arizona \(Phoenix Memorial Hospital\)](#) - Atypical polypoid adenomyoma  
[Arkansas \(University of Arkansas Medical Center\)](#) - Adenosarcoma  
[Colorado, Denver](#) - Endometriosis  
[Florida \(Winter Haven Hospital\)](#) - Adenosarcoma  
[Georgia, Decatur](#) - Atypical polypoid adenomyoma  
[Illinois \(Heartland Regional Medical Center\)](#) - Adenomyoma  
[Kansas \(Coffeyville Regional Medical Center\)](#) - Atypical adenomyoma  
[Kansas, Manhattan](#) - Atypical adenomyoma  
[Kentucky \(University of Louisville Hospital\)](#) - Atypical adenomyoma vs. adenosarcoma  
[Louisiana \(LSUHSC - Shreveport Pathology Residents\)](#) - Carcinosarcoma (MMMT)  
[Louisiana, Metairie](#) - Adenosarcoma  
[Maryland \(Johns Hopkins Medical Center\)](#) - Atypical polypoid adenomyoma  
[Maryland \(National Cancer Institute\)](#) - Atypical polypoid adenoma  
[Maryland \(National Naval Medical Center\)](#) - Adenomyoma  
[Michigan \(Henry Ford Hospital\)](#) - Adenosarcoma, low grade, uterus  
[Michigan \(Spectrum Health\)](#) - Atypical polypoid adenoma  
[Michigan \(St. Joseph Mercy Hospital\)](#) - Adenosarcoma  
[Missouri, Joplin](#) - Carcinosarcoma  
[New York \(Nassau University Medical Center\)](#) - Adenomyoma  
[New York \(Stony Brook University Hospital\)](#) - Atypical polypoid adenoma  
[Pennsylvania \(Drexel University College of Medicine\)](#) - Atypical polypoid adenomyoma  
[Pennsylvania \(Memorial Medical Center\)](#) - Carcinosarcoma  
[Pennsylvania \(UPMC/Shadyside\)](#) - Adenosarcoma  
[Rhode Island \(Brown University Pathology Residents\)](#) - Atypical polypoid adenomyoma  
[Texas \(Scott & White Hospital\)](#) - Atypical polypoid adenomyoma  
[Texas, Lubbock](#) - Atypical adenomyoma  
[Texas, San Antonio](#) - Adenosarcoma versus APA (atypical polypoid adenoma)  
[Washington, D.C.](#) - Atypical polypoid adenomyoma  
[Canada \(University of Calgary, Foothills Hospital\)](#) - Atypical polypoid adenomyoma

China (Sir Run Run Shaw Hospital) - Carcinosarcoma  
Italy, Naples - Adenosarcoma  
Japan (Hamamatsu University School of Medicine) - Atypical polypoid adenomyoma  
Japan (Gunma University Hospital) - Adenomyosis, uterus  
Japan, Chiba - Endometrioid adenocarcinoma of uterine dome, low grade  
Qatar, Doha - Atypical polypoid adenomyoma  
Saudi Arabia, Alhassa (MCH, KFHH) - Atypical adenomyoma of low malignant potential  
Spain (Povisa) - Adenomyoma  
The Netherlands, Amstelveen - Atypical polypoid adenomyoma

#### **Case 5 - Diagnosis:**

**Adenomyoma of uncertain malignant potential, uterus**  
**T-82000, M-99320**

**Outside consultation:** AFIP, Washington, DC: Adenomyoma of uncertain malignant potential.

#### **Case 5 - References:**

Chhieng DC, Elgert PA, Cangiarella JF, Cohen JM: Cytology Of Polypoid Adenomyomas: A Report of Two Cases. *Diagn Cytopathol*, 2000 Mar; 22(3):176-80.  
 Sugiyama T, Ohta S, Nishida T, et al: Two Cases Of Endometrial Adenocarcinoma Arising From Atypical Polypoid Adenoma. *Gynecol Oncol*, 1998 Oct; 71(1):141-4.  
 Gilks CB, Clement PH, Hart WR, Young RH: Uterine Adenomyomas Excluding Atypical Polypoid Adenomyomas And Adenomyomas Of Endocervical Type: A Clinicopathologic Study Of 30 Cases Of An Underemphasized Lesion That May Cause Diagnostic Problems With Brief Consideration Of Adenomyomas Of Other Female Genital Tract Sites. *Int J Gynecol Pathol*, 2000 Jul; 19(3):195-205.  
 Mikami Y, Maehata K, Fujiwara K, Manabe T: Endocervical Adenomyoma: A Case Report With Histochemical And Immunohistochemical Studies. *APMIS*, 2001 Jul-Aug; 109(7-8):546-50.

#### **Case No. 6, Accession No. 29646**

**January, 2004**

Escondido - Mucinous cystadenoma  
Glendale (Glendale Pathology Association) - Mucinous tumor of low malignant potential  
Granada Hills - Mucinous cystadenoma  
Loma Linda (LLUMC Residents) - Mucinous cystadenoma  
Sacramento (U.C. Davis Medical Center) - Mucinous cystadenoma, benign  
San Fernando (K-R San Fernando Valley Group) - Mucinous cystoma of ovary, benign (2)  
San Francisco (San Francisco General Hospital) - Mucinous cystadenoma  
Arizona (Phoenix Memorial Hospital) - Atypical proliferative (borderline) mucinous tumor  
Arkansas (University of Arkansas Medical Center) - Mucinous cystadenoma  
Colorado, Denver - Low grade mucinous cystadenocarcinoma  
Florida (Winter Haven Hospital) - Mucinous tumor of borderline malignant potential  
Georgia, Decatur - Mucinous cystadenoma  
Illinois (Heartland Regional Medical Center) - Mucinous cystadenoma  
Kansas (Coffeyville Regional Medical Center) - Mucinous cystic tumor of ovary with pseudomyxoma peritonei  
Kansas, Manhattan - Mucinous cystadenoma  
Kentucky (University of Louisville Hospital) - Mucinous tumor of low malignant potential, intestinal type  
Louisiana (LSUHSC - Shreveport Pathology Residents) - Mucinous cystadenocarcinoma of low malignant potential  
Louisiana, Metairie - Mucinous cystadenoma  
Maryland (Johns Hopkins Medical Center) - Atypical proliferative (borderline) mucinous, cannot rule/out metastasis  
Maryland (National Cancer Institute) - Mucinous borderline tumor, intestinal type  
Maryland (National Naval Medical Center) - Mucinous cystadenoma  
Michigan (Henry Ford Hospital) - Mucinous cystadenoma, ovary  
Michigan (Spectrum Health) - Borderline mucinous tumor, intestinal type  
Michigan (St. Joseph Mercy Hospital) - Mucinous cystic neoplasm, low grade, primary versus metastatic  
Missouri, Joplin - Mucinous cystic tumor (intestinal type) with pseudomyxoma ovarii  
New York (Nassau University Medical Center) - Mucinous cystadenoma  
New York (Stony Brook University Hospital) - Mucinous cystadenoma with pseudomyxoma ovarii  
Pennsylvania (Drexel University College of Medicine) - Mucinous tumor with stroma dissecting (intestinal type)  
Pennsylvania (Memorial Medical Center) - Mucinous cystadenoma, ovary



Pennsylvania (UPMC/Shadyside) - Mucinous cystadenoma  
Rhode Island (Brown University Pathology Residents) - Mucinous cystadenoma  
Texas (Scott & White Hospital) - Mucinous cystadenoma  
Texas, Lubbock - Mucinous cystadenoma with low malignant potential  
Texas, San Antonio - Mucinous borderline tumor  
Washington, D.C. - Mucinous borderline tumor (intestinal type)  
Canada (University of Calgary, Foothills Hospital) - Mucinous borderline tumor  
China (Sir Run Run Shaw Hospital) - Mucinous cystadenoma  
Italy, Naples - Mucinous neoplasm, rule/out metastatic disease  
Japan (Hamamatsu University School of Medicine) - Mucinous borderline tumor, intestinal type  
Japan (Gunma University Hospital) - Mucinous cystadenoma, ovary  
Japan, Chiba - Mucinous cystadenocarcinoma of right ovary  
Qatar, Doha - Benign mucinous cystadenoma of ovary  
Saudi Arabia, Alhassa (MCH, KFHH) - Mucinous cystadenoma  
Spain (Povisa) - Mucinous cystadenoma  
The Netherlands, Amstelveen - Mucinous cystadenoma and mucinous dissection

#### **Case 6 - Diagnosis:**

**Mucinous cystic tumor of low malignant potential and mucinous dissection (pseudomyxoma peritonei), ovary**  
**T-87000, M-90150, M-84806**

#### **Case 6 - References:**

Lee KR, Scully RE: Mucinous Tumors of the Ovary: A Clinicopathologic Study of 196 Borderline Tumors (of Intestinal Type) And Carcinomas, Including An Evaluation of 11 Cases With 'Pseudomyxoma Peritonei'. *Am J Surg Pathol*, 2000 Nov; 24(11):1447-64.  
 Zissin R, Gayer G, Fishman A, et al: Synchronous Mucinous Tumors of the Ovary and the Appendix Associated With Pseudomyxoma Peritonei: CT Findings. *Abdom Imaging*, 2000 May-Jun; 25(3):311-6.  
 Guerrieri C, Franlund B, Fristedt S, et al: Mucinous Tumors of the Vermiform Appendix and Ovary, and Pseudomyxoma Peritonei: Histogenetic Implications of Cytokeratin 7 Expression. *Hum Pathol*, 1997 Sep; 28(9):1039-45.  
 Prat J: Ovarian Tumors of Borderline Malignancy (Tumors of Low Malignant Potential): A Critical Appraisal. *Adv Anat Pathol*, 1999 Sep; 6(5):247-74. Review.  
 Ronnett BM, Shmookler BM, Sugarbaker PH, Kurman RJ: Pseudomyxoma Peritonei: New Concepts in Diagnosis, Origin, Nomenclature, and Relationship to Mucinous Borderline (Low Malignant Potential) Tumors of the Ovary. *Anat Pathol*, 1997; 2:197-226. Review.

#### **Case No. 7, Accession No. 28341**

**January, 2004**

Escondido - Gonadal-stromal tumor, unclassified  
Glendale (Glendale Pathology Association) - Sclerosing stromal tumor  
Granada Hills - Sclerosing stromal tumor  
Loma Linda (LLUMC Residents) - Sex cord stromal tumor of ovary, favor sclerosing stromal tumor  
Orange (UCI Medical Center Residents) - Sclerosing stromal tumor  
Sacramento (U.C. Davis Medical Center) - Sclerosing stromal tumor  
San Fernando (K-R San Fernando Valley Group) - Myolipoma, benign (2)  
San Francisco (San Francisco General Hospital) - Massive ovarian edema  
Arizona (Phoenix Memorial Hospital) - Massive ovarian edema  
Arkansas (University of Arkansas Medical Center) - Sclerosing stromal tumor  
Colorado, Denver - Epithelioid sarcoma  
Florida (Winter Haven Hospital) - Epithelioid leiomyoma  
Georgia, Decatur - Sclerosing stromal tumor  
Illinois (Heartland Regional Medical Center) - Sclerosing stromal tumor  
Kansas (Coffeyville Regional Medical Center) - Sclerosing stromal tumor  
Kansas, Manhattan - Sclerosing stromal tumor  
Kentucky (University of Louisville Hospital) - Sclerosing stromal tumor  
Louisiana (LSUHSC - Shreveport Pathology Residents) - Ovarian stromal tumor (fibroma-thecoma) with occasional signet ring cells  
Louisiana, Metairie - Sclerosing stromal tumor  
Maryland (Johns Hopkins Medical Center) - Sclerosing stromal tumor

Maryland (National Cancer Institute) - Fibrothecoma  
Maryland (National Naval Medical Center) - Sclerosing stromal tumor  
Michigan (Henry Ford Hospital) - Sclerosing stromal tumor  
Michigan (Spectrum Health) - Sclerosing stromal tumor  
Michigan (St. Joseph Mercy Hospital) - Fibrothecoma  
Missouri, Joplin - Adult granulosa cell tumor  
New York (Nassau University Medical Center) - Sclerosing stromal tumor  
New York (Stony Brook University Hospital) - Adenomatoid tumor, rule out signet-ring stromal tumor  
Pennsylvania (Drexel University College of Medicine) - Sclerosing stromal tumor of ovary  
Pennsylvania (Memorial Medical Center) - Epithelioid leiomyosarcoma  
Pennsylvania (UPMC/Shadyside) - Sclerosing stromal tumor  
Rhode Island (Brown University Pathology Residents) - Sclerosing stromal tumor  
Texas (Scott & White Hospital) - Sclerosing stromal tumor  
Texas, Lubbock - Sclerosing stromal tumor  
Texas, San Antonio - Sclerosing stromal tumor  
Washington, D.C. - Sclerosing stromal tumor  
Canada (University of Calgary, Foothills Hospital) - Sclerosing stromal tumor  
China (Sir Run Run Shaw Hospital) - Sclerosing stromal tumor  
Italy, Naples - Sclerosing stromal tumor  
Japan (Gunma University Hospital) - Sclerosing stromal tumor, ovary  
Japan, Chiba - Sclerosing stromal tumor  
Qatar, Doha - Sclerosing stromal tumor  
Saudi Arabia, Alhassa (MCH, KFHH) - Sclerosing stromal tumors  
Spain (Povisa) - Sclerosing stromal tumor  
The Netherlands, Amstelveen - Signet ring stromal tumor

#### **Case 7 - Diagnosis:**

**Sclerosing stromal tumor/sclerosing fibrothecoma, ovary**  
**T-87000, M-85901**

#### **Case 7 - References:**

Tiltman AJ, Haffajee Z: Sclerosing Stromal Tumors, Thecomas, And Fibromas Of The Ovary: An Immunohistochemical Profile. *Int J Gynecol Pathol*, 1999 Jul; 18(3):254-8.  
 McCluggage WG, Maxwell P: Immunohistochemical Staining For Calretinin Is Useful In The Diagnosis Of Ovarian Sex Cord-Stromal Tumours. *Histopathology*, 2001 May; 38(5):403-8.  
 Kawauchi S, Tsuji T, Kaku T, et al: Sclerosing Stromal Tumor Of The Ovary: A Clinicopathologic, Immunohistochemical, Ultrastructural, And Cytogenetic Analysis With Special Reference To Its Vasculature. *Am J Surg Pathol*, 1998 Jan; 22(1):83-92.  
 Oliva E, Clement PB, Young RH: Endometrial Stromal Tumors: An Update On A Group Of Tumors With A Protean Phenotype. *Adv Anat Pathol*, 2000 Sep; 7(5):257-81.

#### **Case No. 8, Accession No. 28049**

**January, 2004**

Escondido - Endometrioid carcinoma  
Glendale (Glendale Pathology Association) - Serous cystadenocarcinoma  
Granada Hills - Endometrial carcinoma with clear cell component  
Loma Linda (LLUMC Residents) - Serous carcinoma of the ovary, moderate to poorly-differentiated  
Orange (UCI Medical Center Residents) - Endometrioid carcinoma  
Sacramento (U.C. Davis Medical Center) - Endometrioid carcinoma  
San Fernando (K-R San Fernando Valley Group) - Papillary and solid adenocarcinoma, sometimes endometrioid carcinoma (1); adenocarcinoma (1)  
San Francisco (San Francisco General Hospital) - Endometrioid adenocarcinoma  
Arizona (Phoenix Memorial Hospital) - Endometrioid adenocarcinoma, Grade II/III  
Colorado, Denver - Endometrioid carcinoma  
Florida (Winter Haven Hospital) - Endometrioid adenocarcinoma  
Georgia, Decatur - Micropapillary serous borderline tumor  
Illinois (Heartland Regional Medical Center) - Serous adenocarcinoma, Grade III  
Kansas (Coffeyville Regional Medical Center) - Adenocarcinoma, endometrioid, Grade II, with endometriosis?  
Kansas, Manhattan - Endometrioid adenocarcinoma  
Kentucky (University of Louisville Hospital) - Serous adenocarcinoma

Louisiana (LSUHSC - Shreveport Pathology Residents) - High grade endometrioid carcinoma  
Louisiana, Metairie - Serous cystadenocarcinoma  
Maryland (Johns Hopkins Medical Center) - Serous carcinoma with squamous features  
Maryland (National Cancer Institute) - Serous adenocarcinoma  
Maryland (National Naval Medical Center) - Poorly-differentiated adenocarcinoma with endometrioid and serous features  
Michigan (Henry Ford Hospital) - Serous carcinoma, ovary  
Michigan (Spectrum Health) - Mixed epithelial carcinoma  
Michigan (St. Joseph Mercy Hospital) - High grade carcinoma, papillary serous type  
Missouri, Joplin - Clear cell adenocarcinoma  
New York (Nassau University Medical Center) - Serous papillary carcinoma  
New York (Stony Brook University Hospital) - Mixed serous papillary and endometrioid adenocarcinoma  
Pennsylvania (Drexel University College of Medicine) - High grade papillary serous carcinoma and papillary endometrioid carcinoma with luminal mucin  
Pennsylvania (Memorial Medical Center) - Malignant teratoma  
Pennsylvania (UPMC/Shadyside) - Endometrioid carcinoma of ovary  
Rhode Island (Brown University Pathology Residents) - Serous adenocarcinoma  
Texas (Scott & White Hospital) - Mucinous cystadenocarcinoma  
Texas, Lubbock - Mixed clear cell and papillary serous carcinoma  
Texas, San Antonio - Endometrioid carcinoma versus mixed endometrioid and serous carcinoma  
Washington, D.C. - Papillary adenocarcinoma  
Canada (University of Calgary, Foothills Hospital) - Mixed serous and mucinous carcinoma  
China (Sir Run Run Shaw Hospital) - Papillary cystadenocarcinoma  
Italy, Naples - Serous borderline tumor with intracystic carcinoma  
Japan (Hamamatsu University School of Medicine) - Endometrioid adenocarcinoma  
Japan (Gunma University Hospital) - Serous cystadenocarcinoma, ovary  
Japan, Chiba - Serous carcinoma of ovary  
Qatar, Doha - Endometrioid adenocarcinoma  
Saudi Arabia, Alhassa (MCH, KFHH) - Endometrioid adenocarcinoma  
Spain (Povisa) - Serous papillary adenocarcinoma  
The Netherlands, Amstelveen - Moderately-differentiated endometrioid adenocarcinoma

#### **Case 8 - Diagnosis:**

**Mixed endometrioid and serous adenocarcinoma, ovary**  
**T-87000, M-83803, M-84413**

#### **Case 8 - References:**

Che M, Tornos C, Deavers MT, et al: Ovarian Mixed-Epithelial Carcinomas With a Microcystic Pattern and Signet-Ring Cells. *Int J Gynecol Pathol*, 2001 Oct; 20(4):323-8.  
 Tornos C, Silva EG, Khorana SM, Burke TW: High-Stage Endometrioid Carcinoma of the Ovary: Prognostic Significance of Pure Versus Mixed Histologic Types. *Am J Surg Pathol*, 1994 Jul; 18(7):687-93.  
 Garcia A, Bussaglia E, Machin P, et al: Loss of Heterozygosity on Chromosome 17q in Epithelial Ovarian Tumors: Association With Carcinomas With Serous Differentiation. *Int J Gynecol Pathol*, 2000 Apr; 19(2):152-7.  
 Fujimura M, Hidaka T, Kataoka K, et al: Absence Of Estrogen Receptor-Alpha Expression In Human Ovarian Clear Cell Adenocarcinoma Compared With Ovarian Serous, Endometrioid, And Mucinous Adenocarcinoma. *Am J Surg Pathol*, 2001 May; 25(5):667-72.

**Case No. 9, Accession No. 28057**

**January, 2004**

Escondido - Brenner tumor  
Glendale (Glendale Pathology Association) - Brenner tumor  
Granada Hills - Fibroma with sex cord elements  
Loma Linda (LLUMC Residents) - Benign transitional cell tumor; Benign Brenner tumor  
Orange (UCI Medical Center Residents) - Brenner tumor  
Sacramento (U.C. Davis Medical Center) - Brenner tumor  
San Fernando (K-R San Fernando Valley Group) - Brenner tumor of ovary, benign (1); Brenner tumor (1)  
San Francisco (San Francisco General Hospital) - Benign Brenner tumor/fibroma  
Arizona (Phoenix Memorial Hospital) - Borderline Brenner tumor  
Arkansas (University of Arkansas Medical Center) - Brenner tumor  
Colorado, Denver - Brenner tumor  
Florida (Winter Haven Hospital) - Brenner tumor

Georgia, Decatur - Brenner tumor  
Illinois (Heartland Regional Medical Center) - Brenner tumor  
Kansas (Coffeyville Regional Medical Center) - Brenner tumor  
Kansas, Manhattan - Benign Brenner tumor  
Kentucky (University of Louisville Hospital) - Brenner's tumor  
Louisiana (LSUHSC - Shreveport Pathology Residents) - Brenner's tumor  
Louisiana, Metairie - Brenner tumor  
Maryland (Johns Hopkins Medical Center) - Brenner tumor  
Maryland (National Cancer Institute) - Brenner tumor  
Maryland (National Naval Medical Center) - Brenner tumor  
Michigan (Henry Ford Hospital) - Benign transitional cell (Brenner) tumor, ovary  
Michigan (Spectrum Health) - Brenner tumor  
Michigan (St. Joseph Mercy Hospital) - Brenner tumor  
Missouri, Joplin - Brenner tumor  
New York (Nassau University Medical Center) - Brenner's tumor  
New York (Stony Brook University Hospital) - Brenner tumor  
Pennsylvania (Drexel University College of Medicine) - Brenner's tumor (benign)  
Pennsylvania (Memorial Medical Center) - Sertoli cell tumor, Brenner tumor  
Pennsylvania (UPMC/Shadyside) - Benign transitional cell (Brenner) tumor  
Rhode Island (Brown University Pathology Residents) - Benign transitional cell tumor  
Texas (Scott & White Hospital) - Brenner tumor  
Texas, Lubbock - Brenner tumor  
Texas, San Antonio - Benign Brenner tumor  
Washington, D.C. - Brenner tumor  
Canada (University of Calgary, Foothills Hospital) - Benign Brenner tumor  
China (Sir Run Run Shaw Hospital) - Benign Brenner tumor  
Italy, Naples - Brenner tumor  
Japan (Hamamatsu University School of Medicine) - Benign Brenner tumor  
Japan (Gunma University Hospital) - Benign Brenner tumor, ovary  
Japan, Chiba - Atypical proliferative transitional cell tumor of ovary  
Qatar, Doha - Brenner tumor of ovary, benign  
Saudi Arabia, Alhassa (MCH, KFHH) - Brenner tumor  
Spain (Povisa) - Brenner tumor  
The Netherlands, Amstelveen - Brenner tumor

#### **Case 9 - Diagnosis:**

**Brenner tumor, ovary**  
**T-87000, M-90000**

#### **Case 9 - References:**

Moon WJ, Koh BH, Kim SK, et al: Brenner Tumor of the Ovary: CT and MR Findings. *J Comput Assist Tomogr*, 2000 Jan-Feb; 24(10):72-6.  
 Hermanns B, Faridi A, Rath W, et al: Differential Diagnosis, Prognostic Factors, And Clinical Treatment Of Proliferative Brenner Tumor Of The Ovary. *Ultrastruct Pathol*, 2000 May-Jun; 24(3):191-6.  
 Ordonez NG, Mackay B: Brenner tumor of the ovary: A Comparative Immunohistochemical And Ultrastructural Study With Transitional Cell Carcinoma Of The Bladder. *Ultrastruct Pathol*, 2000 May-Jun; 24(3):157-67.

**Case No. 10, Accession No. 28382**

**January, 2004**

Escondido - Undifferentiated carcinoma  
Glendale (Glendale Pathology Association) - Yolk sac tumor  
Granada Hills - Mixed germ cell tumor containing choriocarcinoma  
Loma Linda (LLUMC Residents) - Metastatic poorly-differentiated embryonal carcinoma of possible ovarian origin  
Orange (UCI Medical Center Residents) - Hepatoid variant of yolk sac tumor  
Sacramento (U.C. Davis Medical Center) - Hepatoid variant of yolk sac tumor  
San Fernando (K-R San Fernando Valley Group) - Dysgerminoma of ovary (in lung) (1); Dysgerminoma  
San Francisco (San Francisco General Hospital) - Mixed germ cell tumor with choriocarcinoma  
Arizona (Phoenix Memorial Hospital) - Metastatic malignant mixed germ cell neoplasm  
Arkansas (University of Arkansas Medical Center) - Choriocarcinoma  
Colorado, Denver - Malignant teratoma

Florida (Winter Haven Hospital) - Embryonal carcinoma  
Georgia, Decatur - Metastatic yolk sac tumor, ? hepatoid pattern  
Illinois (Heartland Regional Medical Center) - Embryonal carcinoma  
Kansas (Coffeyville Regional Medical Center) - Dysgerminoma, metastatic  
Kansas, Manhattan - Yolk sac tumor, hepatoid type  
Kentucky (University of Louisville Hospital) - Yolk sac tumor, hepatoid type vs. mixed germ cell tumor  
Louisiana (LSUHSC - Shreveport Pathology Residents) - Germ cell tumor (metastatic)  
Louisiana, Metairie - Metastatic embryonal carcinoma  
Maryland (Johns Hopkins Medical Center) Metastatic malignant mixed germ cell tumor  
Maryland (National Cancer Institute) - Yolk sac tumor  
Maryland (National Naval Medical Center) - Metastatic epithelioid trophoblastic tumor  
Michigan (Henry Ford Hospital) - Metastatic embryonal carcinoma, mixed germ cell tumor, lung  
Michigan (Spectrum Health) - Choriocarcinoma  
Michigan (St. Joseph Mercy Hospital) - Choriocarcinoma  
Missouri, Joplin - Mixed germ cell tumor (embryonal carcinoma and yolk sac tumor)  
New York (Nassau University Medical Center) - Choriocarcinoma  
New York (Stony Brook University Hospital) - Placental site trophoblastic tumor  
Pennsylvania (Drexel University College of Medicine) - High grade germinal cell tumor (yolk cell tumor)  
Pennsylvania (Memorial Medical Center) - Choriocarcinoma  
Pennsylvania (UPMC/Shadyside) - Metastatic mixed germ cell tumor (embryonal and yolk sac tumor)  
Rhode Island (Brown University Pathology Residents) - Metastatic embryonal carcinoma  
Texas (Scott & White Hospital) - Metastatic hepatoid yolk sac tumor  
Texas, Lubbock - Hepatoid carcinoma  
Texas, San Antonio - Pure YST (yolk sac tumor) versus mixed  
Washington, D.C. - Choriocarcinoma, metastatic  
Canada (University of Calgary, Foothills Hospital) - Mixed germ cell tumor, including yolk sac tumor, metastatic to lung  
China (Sir Run Run Shaw Hospital) - Metastatic choriocarcinoma in lung  
Italy, Naples Metastatic choriocarcinoma  
Japan (Hamamatsu University School of Medicine) - Mixed germ cell tumor, embryonal carcinoma, yolk sac tumor, and choriocarcinoma  
Japan (Gunma University Hospital) - Yolk sac tumor, metastatic to lung  
Japan, Chiba - Undifferentiated carcinoma of ovary  
Qatar, Doha - Malignant mixed germ cell tumor  
Saudi Arabia, Alhassa (MCH, KFHH) - Metastatic mixed germ cell tumor  
Spain (Povisa) - Mixed malignant germ cell tumor  
The Netherlands, Amstelveen - Yolk sac tumor, hepatoid type

#### **Case 10 - Diagnosis:**

**Metastatic mixed germ cell tumor (embryonal and yolk sac carcinoma), lung**  
**T-28000, M-89403**

**Outside Consultation:** Dr. Steven Silverberg: "Malignant mixed germ cell tumor of ovary, metastatic to lung."

#### **Case 10 - References:**

Tewari K, Cappuccini F, Disaia PJ, et al: Malignant Germ Cell Tumors of the Ovary. *Obstet Gynecol*, 2000 Jan; 95(1):128-33.  
 Cusido MT, Jorda B, Gonzalez J, et al: Ovarian Germ Cell Tumors. *Eur J Gynaecol Oncol*, 1998; 19(2):130-4.  
 Linasmita V, Srisupundit S, Wilailak S, et al: Recent Management of Malignant Ovarian Germ Cell Tumors: A Study of 34 Cases. *J Obstet Gynaecol Res*, 1999 Oct; 25(5):315-20.  
 Bafna UD, Umadevi K, Kumaran C, et al: Germ Cell Tumors of the Ovary: Is There A Role For Aggressive Cytoreductive Surgery For Nondysgerminomatous Tumors? *Int J Gynecol Cancer*, 2001 Jul-Aug; 11(4):300-4.  
 Michá JP, Kucera PR, Berman ML, et al: Malignant Ovarian Germ Cell Tumors: A Review of Thirty-Six Cases. *Am J Obstet Gynecol*, 1985 Aug 1; 152(7 Pt 1):842-6.