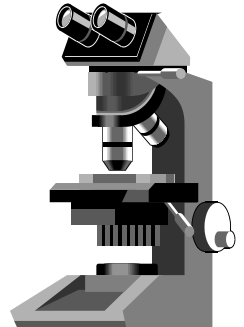


CALIFORNIA  
TUMOR TISSUE REGISTRY

## ***GYNECOLOGICAL PATHOLOGY***

Minutes – Subscription A

**March 2015**



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

- Pusztaszeri MP, Sauder KJ, et al. Fine-Needle Aspiration of Primary Langerhans Cell Histiocytosis of the Thyroid Gland, a Potential Mimic of Papillary Thyroid Carcinoma. *Acta Cytol* 2013; 57:406-412.
- Huang CC, Attele A and Michael CW. Cytomorphologic Features of Metastatic Urothelial Carcinoma in Serous Effusions. *Diagn Cytopathol* 2013; 41: 569-574.
- Amin MB, Smith SC, et al. Collecting Duct Carcinoma Versus Renal Medullary Carcinoma: An Appeal for Nostalgic and Biological Clarity. *Am J Surg Pathol* 2014; 38: 871-874.
- Herschorn SD. Current Controversies in Screening Mammography. *Cancer Cytopathol* 2014; 122:559-560.

California Tumor Tissue Registry  
c/o: Department of Pathology and Human Anatomy  
Loma Linda University School of Medicine  
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Web site & Case of the Month: [www.ctr.org](http://www.ctr.org)

## FILE DIAGNOSES

CTTR Subscription A

March 2015

**Case 1:**

Adenocarcinoma, grade I, cervix

**Case 2:**

Polypoid adenomyoma, uterus

**Case 3:**

Atypical (“Symplastic”) leiomyoma, uterus

**Case 4:**

Endometrioid adenocarcinoma in a background of complex atypical hyperplasia, uterus

**Case 5:**

Sarcoma, favor endometrial stromal sarcoma, uterus (cannot exclude adenosarcoma)

**Case 6:**

Carcinosarcoma (MMMT), uterus

**Case 7:**

Serous cystadenoma, ovary

**Case 8:**

Sex cord stromal tumor, favor granulosa cell tumor (adult type)

**Case 9:**

Steroid cell tumor (leydig cell tumor), ovary

**Case 10:**

Clear cell carcinoma, ovary

Alameda (Alameda County Medical Center) - Endocervical adenocarcinoma (6)  
Glendale - Minimal deviation adenocarcinoma  
Hayward/Alameda (St. Rose Hospital) - Well-differentiated carcinoma, endocervix  
Long Beach (Long Beach VA Hospital) - Endocervical polyp inflamed (1); Acutely inflamed endocervical polyp (1)  
Palo Alto (VA Palo Alto) - Adenocarcinoma  
San Diego (Naval Medical Center Residents) - Endocervical polyp consistent with atypical tubal metaplasia  
San Francisco (San Francisco General Hospital) - Adenosis, vagina  
San Francisco (UCSF) - Endocervical adenocarcinoma with mucinous differentiation  
Santa Barbara (Miramonte Lab) - Endocervical gland abscess  
Torrence (Harbor-UCLA Medical Center) - Endocervical carcinoma in-situ  
Woodland Hills (Kaiser Permanente) - Adenocarcinoma, minimal deviation  
Arkansas (Associated Pathologists Laboratory) - Adenocarcinoma, cervix  
Delaware (AFMES) - Endocervical adenocarcinoma  
Florida (Florida Atlantic University) - Endocervical gland hyperplasia  
Florida (GastroEnterology Associates of Ocala) - Endocervical polyp consistent with Aria Stella  
Georgia, Atlanta - Endocervical polyp with tuboendometrial metaplasia (2)  
Georgia (Wellstar Health System) - Invasive endocervical adenocarcinoma (1); Adenocarcinoma, endocervical type vs benign inflamed endocervical polyp (1); Adenocarcinoma (1)  
Illinois (Heartland Regional Medical Center) - Adenocarcinoma, well-differentiated, minimal deviation  
Iowa (Allen Memorial Hospital) - Adenocarcinoma, minimal deviation  
Maryland (University of Maryland Medical System) - Endocervical polyp  
Massachusetts (University of Massachusetts Medical Center) - Invasive adenocarcinoma, endocervical usual type  
Minnesota (Fairview Ridges Hospital) - Endocervical adenocarcinoma  
Mississippi (University of Mississippi Medical Center) - Inflamed endocervical polyp with tubal metaplasia (1); Ganglioneuroblastoma (1)  
Nebraska (Creighton University Medical Center) - Microglandular adenosis  
New York (SUNY Downstate Medical Center) - Endocervical polyp with reactive/reparative changes  
New York (University of Buffalo Residents) - Mucinous adenocarcinoma, cervix (1); Endocervical mucinous adenocarcinoma (1)  
Ohio (The University of Toledo Medical Center) - Endocervical polyp  
Ohio, Union Town - Adenocarcinoma vs. adenoma malignum  
Pennsylvania (Drexel University of College of Medicine) - Adenocarcinoma  
Pennsylvania (Lehigh Valley Hospital) - Adenocarcinoma, well-differentiated  
Puerto Rico (University of Puerto Rico) - Minimal deviation adenocarcinoma (adenoma malignum), rule out endocervicosis  
South Carolina (Medical University of South Carolina) - Endocervical adenomyoma  
Texas, Crystal Beach - Adenocarcinoma endocervical, well-differentiated  
Texas, Lubbock - Endocervical glandular hyperplasia  
West Virginia (Greenbrier Valley Medical Center) - Endocervical adenocarcinoma, clear cell  
Australia (Royal Hobart Hospital) - Suspicious of adenoma malignum  
Australia (Royal Prince Alfred Hospital) - Adenocarcinoma of cervix  
Australia (St. Vincent's Hospital) - Mucinous carcinoma  
Brazil (Bahia Federal University) - Adenomyoma, endocervical type  
Canada (Pasqua Hospital) - Glandular hyperplasia  
Ireland (Bon Secours Hospital) - Endocervical adenocarcinoma  
Ireland (Kerry General Hospital) - Atypical polypoid adenomyoma  
Ireland (Mayo General Hospital) - Infiltrating endocervical adenocarcinoma  
Japan (Asahi General Hospital) - Endocervical glandular hyperplasia

Japan (Lions Mansion Nijyo Ekimae) - Atypical polypoid adenomyoma  
Japan (Setagaya-Ku) - Adenocarcinoma, cervix  
Oman (Khoula Hospital) - Mucinous carcinoma  
Spain (CHUVI, Vigo) - Minimal deviation adenocarcinoma

**Case 1 - Diagnosis:**

Adenocarcinoma, grade I, cervix

**Case 1 - References:**

PAX2 distinguishes benign mesonephric and mullerian glandular lesions of the cervix from endocervical adenocarcinoma, including minimal deviation adenocarcinoma. *Am J Surg Pathol* 2010; Feb;34(2): p137-46. Rabban JT; McAlhany S; Lerwill MF; Grenert JP; Zaloudek CJ.  
A panel of 3 markers including p16, ProExC, or HPV ISH is optimal for distinguishing between primary endometrial and endocervical adenocarcinomas. *Am J Surg Pathol* 2010; Jul;34(7): p915-26. Kong CS; Beck AH; Longacre TA.  
The endocervical origin of HPV-positive mucinous/endometrioid ovarian tumors remains unproven. Reichert RA  
New developments in endocervical glandular lesions. *Histopathology* 2013; Jan;62(1): p138-60. McCluggage WG.  
Endocervical glandular lesions exhibiting gastric differentiation: an emerging spectrum of benign, premalignant, and malignant lesions. *Adv Anat Pathol* 2013; Jul;20(4): p227-37. Mikami Y; McCluggage WG.

**Case No. 2, Accession No. 31649**

**March 2015**

Alameda (Alameda County Medical Center) - Benign endometrial polyp  
Glendale - Adenocarcinoma  
Hayward/Alameda (St. Rose Hospital) - Polypoid cystic atrophy  
Long Beach (Long Beach VA Hospital) - Florid cystic endosalpingiosis with tumor like (1); Benign cystic mesothelioma (1)  
Palo Alto (VA Palo Alto) - Serous cyst adenofibroma  
San Diego (Naval Medical Center Residents) - Endometrioid adenomyoma  
San Francisco (San Francisco General Hospital) - Cystic adenomyoma  
San Francisco (UCSF) - Endosalpingiosis  
Santa Barbara (Miramonte Lab) - Cystadenoma  
Torrence (Harbor-UCLA Medical Center) - Adenomyoma  
Woodland Hills (Kaiser Permanente) - Endometrial polyp  
Arkansas (Associated Pathologists Laboratory) - Endometrial polyp with simple hyperplasia  
Delaware (AFMES) - Cystic atrophy  
Florida (Florida Atlantic University) - Endometrial polyp  
Florida (GastroEnterology Associates of Ocala) - Endometrial polyp, benign cystic hyperplasia  
Georgia, Atlanta - Endometrial type adenomyoma (2)  
Georgia (Wellstar Health System) - Benign polyp (2); Endometrial polyp (1); Adenomyoma (1)  
Illinois (Heartland Regional Medical Center) - Adenomyoma  
Iowa (Allen Memorial Hospital) - Adenomyoma  
Maryland (University of Maryland Medical System) - Adenomyoma  
Massachusetts (University of Massachusetts Medical Center) - Florid cystic endosalpingiosis  
Minnesota (Fairview Ridges Hospital) - Cystic atrophic adenomyoma  
Mississippi (University of Mississippi Medical Center) - Adenomyoma (1); Pleomorphic adenoma (1)  
Nebraska (Creighton University Medical Center) - Cystadenofibroma  
New York (SUNY Downstate Medical Center) - Adenomyoma  
New York (University of Buffalo Residents) - Adenomyoma, uterus (2)  
Ohio (The University of Toledo Medical Center) - Cystic atrophic endometrial polyp  
Ohio, Union Town - Endometrial polyp

Pennsylvania (Drexel University of College of Medicine) - Endometrial polyp  
Pennsylvania (Lehigh Valley Hospital) - Benign endometrial polyp  
Puerto Rico (University of Puerto Rico) - Adenomyoma  
South Carolina (Medical University of South Carolina) - Florid cystic endosalpingiosis  
Texas, Crystal Beach - Endometrial atrophy with polyp with gland dilation  
Texas, Lubbock - Adenomyoma  
West Virginia (Greenbrier Valley Medical Center) - Mullerian adenosarcoma  
Australia (Royal Hobart Hospital) - Adenomyoma  
Australia (Royal Prince Alfred Hospital) - Endometrial polyp with atypical complex hyperplasia  
Australia (St. Vincent's Hospital) - Adenofibroma  
Brazil (Bahia Federal University) - Adenomyoma, endometrioid type  
Canada (Pasqua Hospital) - Endometrial polyp  
Ireland (Bon Secours Hospital) - Senile cystic atrophy  
Ireland (Kerry General Hospital) - Adenomyoma  
Ireland (Mayo General Hospital) - Cystic hyperplasia of endometrium  
Japan (Asahi General Hospital) - Adenomyoma  
Japan (Lions Mansion Nijyo Ekimae) - Adenomyoma  
Japan (Setagaya-Ku) - Atypical hyperplasia  
Oman (Khoula Hospital) - Benign endometrial polyp  
Spain (CHUVI, Vigo) - Cystic adenomyosis

## **Case 2 - Diagnosis:**

Polypoid adenomyoma, uterus

## **Case 2 - References:**

Uterine adenomyoma with exophytic subserosal growth: case report of rare manifestation with image diagnosis and laparoscopic-assisted excision. *J Minim Invasive Gynecol* 2013; Sep-Oct;20(5): p717-22. Takeda A; Imoto S, et al.  
 A multiple perspectives on atypical polypoid adenomyoma of uterus. *Gynecol Endocrinol* 2013; Jul;29(7): p623-5. Jiang QY; Wang L; Wu RJ.  
 Atypical polypoid adenomyoma mixed with endometrioid carcinoma: a case report. *Eur J Gynaecol Oncol* 2013; 34(1): p101-3. Nejkovic L; Pazin V; Filimonovic D.  
 Multiple atypical polypoid adenomyoma of the uterus. *Jpn J Radiol* 2012; Aug;30(7): p606-11. Horikawa M; Shinmoto H, et al.  
 Uterine adenomyoma with uterus-like features: a report of two cases. *Int J Surg Pathol* 2002; Apr;10(2): p163-6. Jung WY; Shin BK; Kim I.  
 A case of uterine adenomyoma with bizarre smooth muscle cells mimicking leiomyosarcoma. *Diagn Cytopathol* 2005; May;32(5): p288-91. Ohta Y; Suzuki T, et al.  
 Molecular pathology of atypical polypoid adenomyoma of the uterus. *Hum Pathol* 2003; Aug;34(8): p784-8. Ota S; Catusus L; Matias-Guiu X; Bussaglia E; Lagarda H; Pons C; Munoz J; Kamura T; Prat J.  
 Adenomyoma mimicking an aggressive uterine neoplasm on MRI. *Br J Radiol* 2003; Jan;76(901): p66-8. Connors AM; de Souza NM; McIndoe GA.

**Case No. 3, Accession No. 26327**

**March 2015**

Alameda (Alameda County Medical Center) - Leiomyoma with bizarre nuclei  
Glendale - Symplastic leiomyoma  
Hayward/Alameda (St. Rose Hospital) - Atypical leiomyoma  
Long Beach (Long Beach VA Hospital) - Symplastic leiomyoma (2)  
Palo Alto (VA Palo Alto) - Symplastic leiomyoma  
San Diego (Naval Medical Center Residents) - High grade sarcoma  
San Francisco (San Francisco General Hospital) - Symplastic leiomyoma  
San Francisco (UCSF) - Cellular leiomyoma focally with bizarre nuclei

Santa Barbara (Miramonte Lab) - Symplastic leiomyoma  
Torrence (Harbor-UCLA Medical Center) - Leiomyoma with bizarre nuclei  
Woodland Hills (Kaiser Permanente) - Leiomyoma with bizarre nuclei (symplastic leiomyoma)  
Arkansas (Associated Pathologists Laboratory) - Smooth muscle tumor undetermined malignant potential (stump)  
Delaware (AFMES) - Cellular leiomyoma with symplastic change  
Florida (Florida Atlantic University) - Bizarre leiomyoma  
Florida (GastroEnterology Associates of Ocala) - Epithelioid smooth muscle tumor (calcification)  
Georgia, Atlanta - Symplastic leiomyoma (2)  
Georgia (Wellstar Health System) - Symplastic leiomyoma (1); Rule out leiomyosarcoma (1); High grade sarcoma (1); Leiomyosarcoma (1)  
Illinois (Heartland Regional Medical Center) - Atypical leiomyoma (symplastic leiomyoma)  
Iowa (Allen Memorial Hospital) - Symplastic leiomyoma  
Maryland (University of Maryland Medical System) - Symplastic/bizarre leiomyoma  
Massachusetts (University of Massachusetts Medical Center) - Symplastic leiomyoma  
Minnesota (Fairview Ridges Hospital) - Symplastic leiomyoma  
Mississippi (University of Mississippi Medical Center) - Leiomyosarcoma (1); Lymphocytic thyroiditis (1)  
Nebraska (Creighton University Medical Center) - Atypical bizarre leiomyoma  
New York (SUNY Downstate Medical Center) - Symplastic leiomyoma  
New York (University of Buffalo Residents) - Symplastic leiomyoma, uterus (1) Choriocarcinoma (1)  
Ohio (The University of Toledo Medical Center) - Symplastic leiomyoma  
Ohio, Union Town - Symplastic leiomyoma  
Pennsylvania (Drexel University of College of Medicine) - Bizarre (symplastic)/atypical leiomyoma  
Pennsylvania (Lehigh Valley Hospital) - Pleomorphic sarcoma  
Puerto Rico (University of Puerto Rico) - Choriocarcinoma  
South Carolina (Medical University of South Carolina) - Symplastic leiomyoma  
Texas, Crystal Beach - Carcinosarcoma  
Texas, Lubbock - Leiomyosarcoma  
West Virginia (Greenbrier Valley Medical Center) - Leiomyosarcoma  
Australia (Royal Hobart Hospital) - Atypical leiomyoma  
Australia (Royal Prince Alfred Hospital) - STUMP  
Australia (St. Vincent's Hospital) - Symplastic leiomyoma  
Brazil (Bahia Federal University) - Leiomyoma with bizarre nuclei  
Canada (Pasqua Hospital) - Atypical leiomyoma  
Ireland (Bon Secours Hospital) - Atypical leiomyoma  
Ireland (Kerry General Hospital) - Leiomyosarcoma  
Ireland (Mayo General Hospital) - Symplastic (pleomorphic) leiomyoma  
Japan (Asahi General Hospital) - Leiomyoma with bizarre nuclei  
Japan (Lions Mansion Nijyo Ekimae) - Leiomyoma with bizarre nuclei  
Japan (Setagaya-Ku) - Rhabdomyosarcoma  
Oman (Khoula Hospital) - Leiomyosarcoma  
Spain (CHUVI, Vigo) - Bizarre (atypical) leiomyoma

### **Case 3 - Diagnosis:**

Atypical ("Symplastic") leiomyoma,

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

Atypical pilar leiomyoma: cutaneous counterpart of uterine symplastic leiomyoma? *Am J Dermatopathol* 2001; Aug;23(4): p299-303. Mahalingam M; Goldberg LJ.  
 Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125. Uterine symplastic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125. *Arch Pathol Lab Med* 2004; Aug;128(8): p933-4. Weinrach DM; Wang KL, et al.

Pathologic quiz case: a 69-year-old asymptomatic man with a scrotal mass. Atypical (symplastic or bizarre) leiomyoma of the scrotum. *Arch Pathol Lab Med* 2004; Feb;128(2): pe37-8. Fadare O; Wang S; Mariappan MR..  
 Symplastic leiomyoma of uterus--a clinico-pathological dilemma. *BMJ Case Rep* 2011; 2011; p. Pushpalatha K; Kumar S, et al.  
 Extrauterine adenomyoma with atypical (symplastic) smooth muscle cells: a report of 2 cases. *Int J Gynecol Pathol* 2009; Jan;28(1): p23-8. Stewart CJ; Leung YC, et al.  
 Pelvic periprostatic symplastic leiomyoma: an unusual case necessitating a radical surgery. *J Cancer Res Ther* 2013; Apr-Jun;9(2): p299-301 Kathuria K; Menon S, et al.

**Case No. 4, Accession No. 30427**

**March 2015**

Alameda (Alameda County Medical Center) - Endometrioid adenocarcinoma, grade 1  
Glendale - Complex endometrial hyperplasia with atypia  
Hayward/Alameda (St. Rose Hospital) - Atypical hyperplasia with a focus of adenocarcinoma (EIN)  
Long Beach (Long Beach VA Hospital) - Endometrioid adenocarcinoma (1); Adenocarcinoma (1)  
Palo Alto (VA Palo Alto) - Endometrioid adenocarcinoma, FIGO, Grade 1  
San Diego (Naval Medical Center Residents) - Endometrioid type endometrial adenocarcinoma, FIGO, Grade 1  
San Francisco (San Francisco General Hospital) - Atypical polypoid adenoma  
San Francisco (UCSF) - Endometrioid adenocarcinoma, grade 1, noninvasive  
Santa Barbara (Miramonte Lab) - Papillary carcinoma  
Torrence (Harbor-UCLA Medical Center) - Endometrial adenocarcinoma, endometrioid type, FIGO, grade 1  
Woodland Hills (Kaiser Permanente) - Endometrioid adenocarcinoma, FIGO, grade 1  
Arkansas (Associated Pathologists Laboratory) - Adenocarcinoma endometrium  
Delaware (AFMES) - Well-differentiated endometrioid adenocarcinoma arising in CAH  
Florida (Florida Atlantic University) - Atypical adenomatous hyperplasia in an endometrial polyp  
Florida (GastroEnterology Associates of Ocala) - Adenocarcinoma, well-differentiated  
Georgia, Atlanta - Endometrial carcinoma, endometrioid type (2)  
Georgia (Wellstar Health System) - Endometrioid adenocarcinoma (4)  
Illinois (Heartland Regional Medical Center) - Endometrioid adenocarcinoma  
Iowa (Allen Memorial Hospital) - Endometrioid adenocarcinoma  
Maryland (University of Maryland Medical System) - Endometrioid adenocarcinoma, FIGO, grade 1  
Massachusetts (University of Massachusetts Medical Center) - Endometrial adenocarcinoma, endometrioid type FIGO I  
Minnesota (Fairview Ridges Hospital) - Well-differentiated endometrioid adenocarcinoma  
Mississippi (University of Mississippi Medical Center) - Endometrial adenocarcinoma, endometrioid type, FIGO 1, arising in a polyp (1); Immature teratoma (1)  
Nebraska (Creighton University Medical Center) - Endometrioid adenocarcinoma  
New York (SUNY Downstate Medical Center) - Endometrioid endometrial adenocarcinoma, FIGO, grade 1  
New York (University of Buffalo Residents) - Endometrioid adenocarcinoma, uterus (1); Well-differentiated adenocarcinoma and adenomyosis (1)  
Ohio (The University of Toledo Medical Center) - Endometrioid adenocarcinoma arising from a polyp  
Ohio, Union Town - Complex hyperplasia  
Pennsylvania (Drexel University of College of Medicine) - Endometrial adenocarcinoma, FIGO 1  
Pennsylvania (Lehigh Valley Hospital) - Minimally invasive adenocarcinoma  
Puerto Rico (University of Puerto Rico) - Endometrioid adenocarcinoma of uterus with background of atypia (endometrial hyperplasia)  
South Carolina (Medical University of South Carolina) - Endometrioid adenocarcinoma in a background of complex atypical hyperplasia  
Texas, Crystal Beach - Endometrial adenocarcinoma

Texas, Lubbock - Grade 1, endometrioid adenocarcinoma  
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, endometrioid  
Australia (Royal Hobart Hospital) - Grade 1, endometrioid adenocarcinoma  
Australia (Royal Prince Alfred Hospital) - Endometrioid adenocarcinoma  
Australia (St. Vincent's Hospital) - Complex atypical hyperplasia with focal grade 1, endometrioid adenocarcinoma  
Brazil (Bahia Federal University) - Endometrioid carcinoma, grade 1  
Canada (Pasqua Hospital) - Complex endometrial hyperplasia with focal carcinoma  
Ireland (Bon Secours Hospital) - Endometrioid adenocarcinoma  
Ireland (Kerry General Hospital) - Endometrioid adenocarcinoma  
Ireland (Mayo General Hospital) - Endometrioid adenocarcinoma  
Japan (Asahi General Hospital) - Complex atypical endometrial hyperplasia  
Japan (Lions Mansion Nijyo Ekimae) - Endometrioid carcinoma, grade 1  
Japan (Setagaya-Ku) - Adenocarcinoma, endometrioid  
Oman (Khoulala Hospital) - Endometrial carcinoma, grade 1  
Spain (CHUVI, Vigo) - Low grade endometrioid adenocarcinoma

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

Endometrioid adenocarcinoma in a background of complex atypical hyperplasia

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

Complex hyperplasia with and without atypia: clinical outcomes and implications of progestin therapy. *Obstet Gynecol* 2010; Aug;116(2 Pt 1): p365-73. Reed SD; Newton KM; Garcia RL; Allison KH; Voigt LF; Jordan CD; Epplen M; Swisher E; Upson K, et al.  
 Increased natural killer cells and decreased regulatory T cells are seen in complex atypical endometrial hyperplasia and well-differentiated carcinoma treated with progestins. *Hum Pathol* 2010; Jan;41(1): p26-32. Witkiewicz AK; McConnell T, et al.  
 Endometrial hyperplasia. *Semin Diagn Pathol* 2010; Nov;27(4): p199-214. Mills AM; Longacre TA  
 Complex atypical hyperplasia of the uterus: characteristics and prediction of underlying carcinoma risk. *Am J Obstet Gynecol* 2010; Oct;203(4): p349.e1-6. Leitao MM; Han G, et al.  
 Coexistent atypical polypoid adenomyoma and complex atypical endometrial hyperplasia in the uterus. *Diagn Cytopathol* 2010; Jul;38(7): p527-32. Horita A; Kurata A; Komatsu K, et al.  
 Endometrial sampling diagnosis of FIGO grade 1 endometrial adenocarcinoma with a background of complex atypical hyperplasia and final hysterectomy pathology. *Am J Obstet Gynecol* 2010; Mar;202(3): p278.e1-6. Leitao MM; Kehoe S, et al.

#### **Case No. 5, Accession No. 29908**

**March 2015**

Alameda (Alameda County Medical Center) - Adenosarcoma  
Glendale - Adenosarcoma  
Hayward/Alameda (St. Rose Hospital) - Endometrial stromal sarcoma  
Long Beach (Long Beach VA Hospital) - Adenosarcoma (2)  
Palo Alto (VA Palo Alto) - Leiomyosarcoma  
San Diego (Naval Medical Center Residents) - Adenosarcoma  
San Francisco (San Francisco General Hospital) - Adenosarcoma  
San Francisco (UCSF) - Leiomyosarcoma  
Santa Barbara (Miramonte Lab) - Stromal sarcoma  
Torrence (Harbor-UCLA Medical Center) - Adenosarcoma  
Woodland Hills (Kaiser Permanente) - Mullerian adenosarcoma  
Arkansas (Associated Pathologists Laboratory) - Endometrial stromal sarcoma, low grade  
Delaware (AFMES) - Myxoid leiomyosarcoma



Florida (Florida Atlantic University) - Combined smooth muscle stroma tumor  
Florida (GastroEnterology Associates of Ocala) - Endometrial stromal sarcoma  
Georgia, Atlanta - Adenosarcoma (2)  
Georgia (Wellstar Health System) - Adenosarcoma (1); Endometrial stromal sarcoma (3)  
Illinois (Heartland Regional Medical Center) - Adenosarcoma  
Iowa (Allen Memorial Hospital) - Adenosarcoma  
Maryland (University of Maryland Medical System) - Adenosarcoma  
Massachusetts (University of Massachusetts Medical Center) - Adenosarcoma  
Minnesota (Fairview Ridges Hospital) - Mullerian adenosarcoma  
Mississippi (University of Mississippi Medical Center) - Stromomyoma (1); Reactive follicular change consistent with lithium effect (1)  
Nebraska (Creighton University Medical Center) - Adenosarcoma  
New York (SUNY Downstate Medical Center) - Mullerian adenosarcoma  
New York (University of Buffalo Residents) - Adenosarcoma, uterus (2)  
Ohio (The University of Toledo Medical Center) - Mullerian adenosarcoma  
Ohio, Union Town - Adenosarcoma  
Pennsylvania (Drexel University of College of Medicine) - Leiomyosarcoma  
Pennsylvania (Lehigh Valley Hospital) - Adenosarcoma  
Puerto Rico (University of Puerto Rico) - Mullerian adenosarcoma with stromal overgrowth  
South Carolina (Medical University of South Carolina) - Myxoid leiomyosarcoma  
Texas, Crystal Beach - Stromal sarcoma  
Texas, Lubbock - Leiomyosarcoma  
West Virginia (Greenbrier Valley Medical Center) - Endometrial stromal sarcoma  
Australia (Royal Hobart Hospital) - Adenosarcoma  
Australia (Royal Prince Alfred Hospital) - Leiomyosarcoma  
Australia (St. Vincent's Hospital) - High grade endometrial stromal sarcoma  
Brazil (Bahia Federal University) - Leiomyosarcoma, myxoid type  
Canada (Pasqua Hospital) - Myxoid leiomyosarcoma  
Ireland (Bon Secours Hospital) - Low grade endometrial stromal sarcoma  
Ireland (Kerry General Hospital) - Adenosarcoma  
Ireland (Mayo General Hospital) - Epithelioid leiomyosarcoma  
Japan (Asahi General Hospital) - Low grade endometrial stromal sarcoma  
Japan (Lions Mansion Nijyo Ekimae) - Myxoid and epithelioid leiomyoma  
Japan (Setagaya-Ku) - Endometrial stromal sarcoma  
Oman (Khoula Hospital) - Leiomyosarcoma  
Spain (CHUVI, Vigo) - Low grade endometrial stroma sarcoma

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

Sarcoma, favor endometrial stromal sarcoma, uterus (cannot exclude adenosarcoma)

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

Endometrial stromal sarcomas: a review of potential prognostic factors. *Adv Anat Pathol* 2010; Mar;17(2): p113-21.  
 Chew I; Oliva E.  
 Cytologic findings of low grade endometrial stromal sarcoma with sex cord-like differentiation: a case report. *Acta Cytol* 2010; Jan-Feb;54(1): p85-8. Nishikimi K; Habuka N, et al.  
 Uterine sarcomas: a review. *Gynecol Oncol* 2010; Jan;116(1): p131-9. D'Angelo E; Prat J.  
 Treatment of recurrent or metastatic low-grade endometrial stromal sarcoma: three case reports. *Int J Gynecol Cancer*. 2010; Oct;20(7): p1197-200. Garavaglia E; Pella F, et al.  
 Endometrial stromal sarcoma of the uterus presenting as pulmonary metastasis. *BMJ Case Rep* 2013; p.Binesh F; Zahir ST, et al.  
 Management of sarcomas of the uterus. *Curr Opin Oncol* 2013; Sep;25(5): p546-52. Novetsky AP; Powell MA

Alameda (Alameda County Medical Center) - Poorly differentiated malignant neoplasm, favor high grade endometrial stromal sarcoma

Glendale - Undifferentiated endometrial carcinoma

Hayward/Alameda (St. Rose Hospital) - Poorly differentiated carcinoma with sarcomatoid stroma

Long Beach (Long Beach VA Hospital) - Carcinosarcoma (MMMT) (2)

Palo Alto (VA Palo Alto) - Carcinosarcoma (MMMT)

San Diego (Naval Medical Center Residents) - Carcinosarcoma

San Francisco (San Francisco General Hospital) - Sarcoma

San Francisco (UCSF) - Dedifferentiated endometrioid carcinoma

Santa Barbara (Miramonte Lab) - Malignant mixed mullerian tumor

Torrence (Harbor-UCLA Medical Center) - Undifferentiated endometrial carcinoma

Woodland Hills (Kaiser Permanente) - Malignant mixed Mullerian tumor

Arkansas (Associated Pathologists Laboratory) - Malignant mixed mesodermal tumor

Delaware (AFMES) - Malignant mixed mesodermal tumor

Florida (Florida Atlantic University) - Carcinosarcoma

Florida (GastroEnterology Associates of Ocala) - Undifferentiated carcinoma

Georgia, Atlanta - Malignant mixed mullerian tumor (2)

Georgia (Wellstar Health System) - Malignant mixed mullerian tumor (2); Carcinosarcoma (2)

Illinois (Heartland Regional Medical Center) - Carcinosarcoma (MMMT)

Iowa (Allen Memorial Hospital) - Malignant mixed mullerian tumor

Maryland (University of Maryland Medical System) - Carcinosarcoma

Massachusetts (University of Massachusetts Medical Center) - Malignant mixed mullerian tumor (carcinosarcoma)

Minnesota (Fairview Ridges Hospital) - Carcinosarcoma

Mississippi (University of Mississippi Medical Center) - Carcinosarcoma (1); Papillary carcinoma (1)

Nebraska (Creighton University Medical Center) - Carcinosarcoma

New York (SUNY Downstate Medical Center) - Carcinosarcoma

New York (University of Buffalo Residents) - MMT with heterologous elements, uterus (2)

Ohio (The University of Toledo Medical Center) - Carcinosarcoma

Ohio, Union Town - Carcinosarcoma

Pennsylvania (Drexel University of College of Medicine) - Endometrial stromal sarcoma

Pennsylvania (Lehigh Valley Hospital) - Small cell carcinoma of endometrium

Puerto Rico (University of Puerto Rico) - Carcinosarcoma

South Carolina (Medical University of South Carolina) - Carcinosarcoma

Texas, Crystal Beach - Lymphoma

Texas, Lubbock - Carcinosarcoma

West Virginia (Greenbrier Valley Medical Center) - Mixed mullerian carcinoma

Australia (Royal Hobart Hospital) - Carcinosarcoma (mullerian mixed tumor)

Australia (Royal Prince Alfred Hospital) - Carcinosarcoma

Australia (St. Vincent's Hospital) - Undifferentiated carcinoma

Brazil (Bahia Federal University) - Mixed malignant mullerian tumor

Canada (Pasqua Hospital) - Malignant mixed mullerian tumor

Ireland (Bon Secours Hospital) - Malignant mixed mullerian tumor

Ireland (Kerry General Hospital) - Malignant mixed mullerian tumor

Ireland (Mayo General Hospital) - Endometrial stromal sarcoma

Japan (Asahi General Hospital) - Endometrial stromal sarcoma

Japan (Lions Mansion Nijyo Ekimae) - Leiomyosarcoma

Japan (Setagaya-Ku) - Mucinous adenocarcinoma

Oman (Khoula Hospital) - Carcinosarcoma

Spain (CHUVI, Vigo) - Carcinosarcoma

**Case 6 - Diagnosis:**

Carcinosarcoma (MMMT), uterus

**Case 6 - References:**

Uterine sarcomas: a review. *Gynecol Oncol* 2010; Jan;116(1): p131-9. D'Angelo E; Prat J  
Malignant mixed mullerian tumor with malignant neuroectodermal components (teratoid carcinosarcoma) of the ovary: Report of a case with clinicopathologic findings. *J Obstet Gynaecol Res* 2010; Aug;36(4): p907-11. Matsuura Y; Kitajima M, et al.  
Carcinosarcoma of the uterus in advanced stage: a case report. *Eur J Gynaecol Oncol* 2013; 34(4): p343-6. Tasic L; Vasiljevic M, et al.  
Is there an increase in the incidence of uterine carcinosarcoma in north-east Scotland? A 19 years population-based cohort study. *Scott Med J* 2013; May;58(2): p88-94. Gurumurthy M; Lahiri R, et al.  
Carcinosarcoma of the uterus-a single institution retrospective analysis of the management and outcome and a brief review of literature. *Indian J Surg Oncol* 2013; Sep;4(3): p222-8 Anupama R; Kuriakose S, et al.  
Carcinosarcomas (malignant mullerian mixed tumors) of the uterus and ovary: a genetic study with special reference to histogenesis. *Int J Gynecol Pathol* 2003; Oct;22(4): p368-73. Jin Z; Ogata S, et al.  
Carcinosarcoma of the ovary: 19 years of prospective data from a single center. *Cancer* 2004; May 15;100(10): p2148-53. Brown E; Stewart M, et al.

**Case No. 7, Accession No. 31549**

**March 2015**

Alameda (Alameda County Medical Center) - Serous cystadenoma

Glendale - Cystadenoma

Hayward/Alameda (St. Rose Hospital) - Unilocular gonadal stromal tumor consistent with granulosa cell tumor

Long Beach (Long Beach VA Hospital) - Serous cystadenoma

Palo Alto (VA Palo Alto) - Serous cystadenoma

San Diego (Naval Medical Center Residents) - Serous cystadenoma

San Francisco (San Francisco General Hospital) - Simple cyst

San Francisco (UCSF) - Serous cystadenoma with granulomatous inflammation

Santa Barbara (Miramonte Lab) - Serous cystadenoma

Torrence (Harbor-UCLA Medical Center) - Serous cystadenoma

Woodland Hills (Kaiser Permanente) - Serous cystadenoma

Arkansas (Associated Pathologists Laboratory) - Serous cystadenoma

Delaware (AFMES) - Serous cystadenoma

Florida (Florida Atlantic University) - Serous cyst of the ovary

Florida (GastroEnterology Associates of Ocala) - Serous cystadenoma

Georgia, Atlanta - Serous cystadenoma (2)

Georgia (Wellstar Health System) - Benign simple cyst (1); Serous cystadenoma (3)

Illinois (Heartland Regional Medical Center) - Unilocular serous cystadenoma

Iowa (Allen Memorial Hospital) - Serous cystadenoma

Maryland (University of Maryland Medical System) - Cystadenoma/benign simple cyst

Massachusetts (University of Massachusetts Medical Center) - Serous cystadenoma

Minnesota (Fairview Ridges Hospital) - Mesothelial cyst

Mississippi (University of Mississippi Medical Center) - Serous cystadenoma (1); Follicular neoplasm (1)

Nebraska (Creighton University Medical Center) - Serous cystadenoma

New York (SUNY Downstate Medical Center) - Serous cystadenoma

New York (University of Buffalo Residents) - Serous cystadenoma, ovary (2)

Ohio (The University of Toledo Medical Center) - Serous cystadenoma

Ohio, Union Town - Serous cystadenoma  
Pennsylvania (Drexel University of College of Medicine) - Serous cystadenoma  
Pennsylvania (Lehigh Valley Hospital) - Benign serous cystadenoma  
Puerto Rico (University of Puerto Rico) - Rete cyst/retroperitoneal cyst  
South Carolina (Medical University of South Carolina) - Serous cystadenoma  
Texas, Crystal Beach - Serous cyst  
Texas, Lubbock - Serous cystadenofibroma  
West Virginia (Greenbrier Valley Medical Center) - Simple cyst  
Australia (Royal Hobart Hospital) - Simple cyst, probable mesothelial inclusion cyst  
Australia (Royal Prince Alfred Hospital) - Benign serous cystadenoma  
Australia (St. Vincent's Hospital) - Serous cystadenoma  
Brazil (Bahia Federal University) - Cystic lesion, rule out struma ovarii  
Canada (Pasqua Hospital) - Peritoneal inclusion cyst  
Ireland (Bon Secours Hospital) - Serous cystadenoma  
Ireland (Kerry General Hospital) - Serous cystadenoma  
Ireland (Mayo General Hospital) - Serous cystadenoma of ovary  
Japan (Asahi General Hospital) - Serous cystadenoma  
Japan (Lions Mansion Nijyo Ekimae) - Serous cystadenoma  
Japan (Setagaya-Ku) - Serous cyst  
Oman (Khoulia Hospital) - Benign serous cystadenoma  
Spain (CHUVI, Vigo) - Serous cystadenoma and cortical granulomas

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

Serous cystadenoma, ovary

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

Ovarian serous cystadenofibromas associated with a low-grade serous carcinoma of the peritoneum. *Ann Diagn Pathol* 2013; Jun;17(3): p302-4. Hinson SA; Silva EG; Pinto K.  
 Is MRI a useful tool to distinguish between serous and mucinous borderline ovarian tumours? *Clin Radiol* 2013; Jan;68(1): pe1-8. Bazot M; Haouy D, et al.  
 Benign ovarian serous tumors: a re-evaluation and proposed reclassification of serous "cystadenomas" and "cystadenofibromas" *Gynecol Oncol* 2005; Feb;96(2): p395-401. Seidman JD; Mehrotra A.  
 Papillary serous cystadenofibroma of the ovary--is it really so rare? *Int J Gynaecol Obstet* 2001; Oct;75(1): p85-6. Fatum M; Rojansky N; Shushan A.  
 Primary leiomyoma of the ovary co-existing with serous cystadenofibroma. *APMIS* 2005; Feb;113(2): p145-7. Eren F; Akpulat S; Gokaslan H.

#### **Case No. 8, Accession No. 29056**

**March 2015**

Alameda (Alameda County Medical Center) - Sex cord tumor, consistent with sclerosing stromal tumor  
Glendale - Female adnexal tumor of Wolffian origin  
Hayward/Alameda (St. Rose Hospital) - Carcinosarcoma with melanotic element  
Long Beach (Long Beach VA Hospital) - Sertoli leydig cell tumor (1); Mixed sex cord stromal tumor (1)  
Palo Alto (VA Palo Alto) - Sertoli-leydig cell tumor  
San Diego (Naval Medical Center Residents) - Sertoli-leydig cell tumor  
San Francisco (San Francisco General Hospital) - Desmoplastic plastic small round cell tumor  
San Francisco (UCSF) - Sertoli leydig cell tumor, intermediate to poor differentiation  
Santa Barbara (Miramonte Lab) - Sertoli leydig tumor  
Torrence (Harbor-UCLA Medical Center) - Juvenile granulosa cell tumor  
Woodland Hills (Kaiser Permanente) - Adult granulosa cell tumor

Arkansas (Associated Pathologists Laboratory) - Sertoli leydig cell tumor, intermediate differentiation  
Delaware (AFMES) - Poorly differentiated sertoli leydig cell tumor  
Florida (Florida Atlantic University) - Juvenile granulosa cell tumor  
Florida (GastroEnterology Associates of Ocala) - Adult granulosa cell tumor  
Georgia, Atlanta - Sertoli leydig cell tumor (2)  
Georgia (Wellstar Health System) - Yolk sac tumor (3); Sertoli cell tumor (1)  
Illinois (Heartland Regional Medical Center) - Sex cord stromal tumor, favor granulosa cell tumor (adult type)  
Iowa (Allen Memorial Hospital) - Juvenile granulosa cell tumor  
Maryland (University of Maryland Medical System) - Sertoli-leydig cell tumor, intermediate differentiation  
Massachusetts (University of Massachusetts Medical Center) - Sertoli-leydig cell tumor, intermediate type  
Minnesota (Fairview Ridges Hospital) - Small cell undifferentiated carcinoma  
Mississippi (University of Mississippi Medical Center) - Adult granulosa cell tumor (1); Hurthle cell neoplasm (1)  
Nebraska (Creighton University Medical Center) - Sertoli-leydig cell tumor  
New York (SUNY Downstate Medical Center) - Sertoli leydig cell tumor  
New York (University of Buffalo Residents) - Sertoli leydig cell tumor, ovary (2)  
Ohio (The University of Toledo Medical Center) - Sertoli leydig cell tumor  
Ohio, Union Town - Juvenile granulosa cell tumor  
Pennsylvania (Drexel University of College of Medicine) - Yolk sac tumor  
Pennsylvania (Lehigh Valley Hospital) - Juvenile granulosa cell tumor  
Puerto Rico (University of Puerto Rico) - Granulosa cell tumor  
South Carolina (Medical University of South Carolina) - Sertoli leydig cell tumor  
Texas, Crystal Beach - Adenocarcinoma, ovary  
Texas, Lubbock - Sertoli-leydig cell tumor  
West Virginia (Greenbrier Valley Medical Center) - Juvenile granulosa cell tumor  
Australia (Royal Hobart Hospital) - Adult granulosa cell tumor  
Australia (Royal Prince Alfred Hospital) - Sertoli leydig tumor  
Australia (St. Vincent's Hospital) - Sertoli leydig cell tumor, moderately differentiated  
Brazil (Bahia Federal University) - Sertoli leydig cell tumor  
Canada (Pasqua Hospital) - Sertoli leydig tumor  
Ireland (Bon Secours Hospital) - Sertoli leydig tumor  
Ireland (Kerry General Hospital) - Adult granulosa cell tumor  
Ireland (Mayo General Hospital) - Sertoli leydig cell tumor (Meyer's type 3)  
Japan (Asahi General Hospital) - Adult granulosa cell tumor  
Japan (Lions Mansion Nijyo Ekimae) - Sex cord stromal tumor  
Japan (Setagaya-Ku) - Massive adenoma  
Oman (Khoula Hospital) - Sertoli leydig cell tumor, moderately differentiated  
Spain (CHUVI, Vigo) - Sertoli leydig cell tumor

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

Sex cord stromal tumor, favor granulosa cell tumor (adult type)

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

Diverse phenotypic profile of uterine tumors resembling ovarian sex cord tumors: an immunohistochemical study of 12 cases. *Am J Surg Pathol* 2010; Dec;34(12): p1749-61. de Leval L; Lim GS, et al.  
 Uterine tumors resembling ovarian sex cord tumors: an ultrastructural analysis of 13 cases. *Ultrastruct Pathol* 2010; Feb;34(1): p16-24. Gupta M; de Leval L, et al.  
 Clinicopathologic features of 2 new cases of uterine tumors resembling ovarian sex cord tumors. *Int J Gynecol Pathol* 2010; Sep;29(5): p459-67. Giordano G; Lombardi M, et al.  
 Granulosa cell tumor of the ovary: cytologic findings. *Acta Cytol* 2010; Jul-Aug;54(4): p551-9. Kavuri S; Kulkarni R; Reid-Nicholson M.

Fine needle aspiration cytology of recurrent adult granulosa cell tumor. *Acta Cytol* 2010; Sep-Oct;54(5 Suppl): p1065-6.bShabaik A.  
 Cytomorphology of adult granulosa cell tumor in ascitic fluid. *Indian J Pathol Microbiol* 2010; Jan-Mar;53(1): p119-21.  
 Azad K; Khunger JM.

**Case No. 9, Accession No. 26349**

**March 2015**

Alameda (Alameda County Medical Center) - Leydig cell tumor  
Glendale - Leydig cell tumor  
Hayward/Alameda (St. Rose Hospital) - Leydig cell tumor  
Long Beach (Long Beach VA Hospital) - Leydig cell tumor (2)  
Palo Alto (VA Palo Alto) - Leydig cell tumor  
San Diego (Naval Medical Center Residents) - Steroid tumor, NOS  
San Francisco (San Francisco General Hospital) - Leydig cell tumor  
San Francisco (UCSF) - Leydig cell tumor  
Santa Barbara (Miramonte Lab) - Leydig cell tumor  
Torrence (Harbor-UCLA Medical Center) - Leydig cell tumor  
Woodland Hills (Kaiser Permanente) - Hilus/Leydig cell tumor  
Arkansas (Associated Pathologists Laboratory) - Steroid cell tumor, NOS  
Delaware (AFMES) - Leydig cell tumor  
Florida (Florida Atlantic University) - Luteinized thecoma  
Florida (GastroEnterology Associates of Ocala) - Yolk sac tumor, hepatoid pattern  
Georgia, Atlanta - Steroid cell tumor, NOS (2)  
Georgia (Wellstar Health System) - Leydig cell tumor (1); Steroid cell tumor (1); Sex cord tumor (steroid cell tumor) (1); Fibrothecoma (1)  
Illinois (Heartland Regional Medical Center) - Steroid cell tumor  
Iowa (Allen Memorial Hospital) - Steroid cell tumor  
Maryland (University of Maryland Medical System) - Steroid cell tumor  
Massachusetts (University of Massachusetts Medical Center) - Leydig cell tumor  
Minnesota (Fairview Ridges Hospital) - Leydig cell tumor  
Mississippi (University of Mississippi Medical Center) - Leydig cell tumor (1); Poorly differentiated carcinoma (1)  
Nebraska (Creighton University Medical Center) - Steroid cell tumor  
New York (SUNY Downstate Medical Center) - Leydig cell tumor  
New York (University of Buffalo Residents) - Leydig/hilar cell tumor, ovary (1); Steroid cell tumor, NOS (1)  
Ohio (The University of Toledo Medical Center) - Leydig cell tumor  
Ohio, Union Town - Leydig cell tumor  
Pennsylvania (Drexel University of College of Medicine) - Steroid cell tumor (leydig cell tumor)  
Pennsylvania (Lehigh Valley Hospital) - Leydig cell tumor  
Puerto Rico (University of Puerto Rico) - Steroid cell tumor  
South Carolina (Medical University of South Carolina) - Leydig cell tumor  
Texas, Crystal Beach - Steroid cell tumor  
Texas, Lubbock - Leydig cell tumor  
West Virginia (Greenbrier Valley Medical Center) - Arrhenoblastoma  
Australia (Royal Hobart Hospital) - Steroid cell tumor, NOS  
Australia (Royal Prince Alfred Hospital) - Leydig cell tumor  
Australia (St. Vincent's Hospital) - Steroid cell tumor  
Brazil (Bahia Federal University) - Leydig cell tumor, hilar-type  
Canada (Pasqua Hospital) - Steroid cell tumor

Ireland (Bon Secours Hospital) - Leydig cell tumor  
Ireland (Kerry General Hospital) - Leydig cell tumor  
Ireland (Mayo General Hospital) - Lipoid (steroid) cell tumor of ovary  
Japan (Asahi General Hospital) - Leydig cell tumor  
Japan (Lions Mansion Nijyo Ekimae) - Leydig cell tumor  
Japan (Setagaya-Ku) - Steroid cell tumor  
Oman (Khoula Hospital) - Leydig cell tumor  
Spain (CHUVI, Vigo) - Steroid cell tumor

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

Steroid cell tumor (leydig cell tumor), ovary

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

Sertoli Leydig cell ovarian tumour and gastric polyps as presenting features of Peutz-Jeghers syndrome. *Pediatr Blood Cancer* 2010; Jul 15;55(1): p206-7. Howell L; Bader A, et al.  
 Twenty-nine Leydig cell tumors: histological features, outcomes and implications for management. *Int J Urol* 2010; Oct;17(10): p886-9. Heer R; Jackson MJ, et al.  
 Androgen-producing steroid cell ovarian tumor in a young woman and subsequent spontaneous pregnancy. *J Assist Reprod Genet* 2010; Sep;30(9): p1157-60. Sielert L; Liu C, et al.  
 Ovarian steroid cell tumor, not otherwise specified, associated with congenital adrenal hyperplasia: rare tumors of an endocrine disease. *J Pediatr Surg* 2013; Jun;48(6): pE23-7. Thomas TT; Ruscher KR, et al.  
 Leydig cell hyperplasia and Leydig cell tumour in postmenopausal women: report of two cases. *Gynecol Endocrinol* 2013; Mar;29(3): p213-5. Hofland M; Cosyns S, et al.  
 Ovarian Sertoli-Leydig cell tumor: a report of seven cases and a review of the literature. *Gynecol Endocrinol* 2013; Mar;29(3): p192-5. Xiao H; Li B, et al.

#### **Case No. 10, Accession No. 24317**

**March 2015**

Alameda (Alameda County Medical Center) - Clear cell carcinoma  
Glendale - Clear cell carcinoma  
Hayward/Alameda (St. Rose Hospital) - Clear cell carcinoma  
Long Beach (Long Beach VA Hospital) - Clear cell carcinoma (1); High grade clear cell carcinoma (1)  
Palo Alto (VA Palo Alto) - Clear cell carcinoma  
San Diego (Naval Medical Center Residents) - Clear cell adenocarcinoma  
San Francisco (San Francisco General Hospital) - Clear cell carcinoma  
San Francisco (UCSF) - Clear cell carcinoma  
Santa Barbara (Miramonte Lab) - Clear cell carcinoma  
Torrence (Harbor-UCLA Medical Center) - Germ cell tumor/yolk sac tumor  
Woodland Hills (Kaiser Permanente) - Clear cell carcinoma  
Arkansas (Associated Pathologists Laboratory) - Germ cell tumor, NOS  
Delaware (AFMES) - Clear cell carcinoma  
Florida (Florida Atlantic University) - Clear cell carcinoma  
Florida (GastroEnterology Associates of Ocala) - Dysgerminoma  
Georgia, Atlanta - Clear cell carcinoma (2)  
Georgia (Wellstar Health System) - Clear cell carcinoma vs. papillary serous carcinoma (1); Clear cell carcinoma (2); Serous papillary carcinoma (1)  
Illinois (Heartland Regional Medical Center) - Adenocarcinoma, clear cell type  
Iowa (Allen Memorial Hospital) - Clear cell carcinoma  
Maryland (University of Maryland Medical System) - Clear cell adenocarcinoma  
Massachusetts (University of Massachusetts Medical Center) - Clear cell carcinoma

Minnesota (Fairview Ridges Hospital) - Clear cell carcinoma  
Mississippi (University of Mississippi Medical Center) - Dysgerminoma (1); Undifferentiated carcinoma (1)  
Nebraska (Creighton University Medical Center) - Clear cell carcinoma  
New York (SUNY Downstate Medical Center) - Clear cell carcinoma  
New York (University of Buffalo Residents) - Adult granulosa cell tumor, ovary (2)  
Ohio (The University of Toledo Medical Center) - Clear cell carcinoma  
Ohio, Union Town - Yolk sac tumor  
Pennsylvania (Drexel University of College of Medicine) - Clear cell carcinoma  
Pennsylvania (Lehigh Valley Hospital) - Choriocarcinoma  
Puerto Rico (University of Puerto Rico) - Yolk sac tumor  
South Carolina (Medical University of South Carolina) - Clear cell carcinoma  
Texas, Crystal Beach - Clear cell carcinoma  
Texas, Lubbock - Clear cell carcinoma  
West Virginia (Greenbrier Valley Medical Center) - Yolk sac tumor  
Australia (Royal Hobart Hospital) - Clear cell carcinoma  
Australia (Royal Prince Alfred Hospital) - Clear cell carcinoma  
Australia (St. Vincent's Hospital) - Clear cell carcinoma  
Brazil (Bahia Federal University) - Clear cell carcinoma  
Canada (Pasqua Hospital) - Clear cell carcinoma  
Ireland (Bon Secours Hospital) - Clear cell carcinoma  
Ireland (Kerry General Hospital) - Clear cell carcinoma  
Ireland (Mayo General Hospital) - Clear cell carcinoma of ovary  
Japan (Asahi General Hospital) - Clear cell carcinoma  
Japan (Lions Mansion Nijyo Ekimae) - Clear cell carcinoma  
Japan (Setagaya-Ku) - Clear cell adenocarcinoma  
Oman (Khoula Hospital) - Clear cell carcinoma  
Spain (CHUVI, Vigo) - Yolk sac tumor

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

Clear cell carcinoma, ovary

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

New perspectives on molecular targeted therapy in ovarian clear cell carcinoma. *Br J Cancer* 2013; Apr 30;108(8): p1553-9. Tan DS; Miller RE; Kaye SB.  
 Clear cell cancer of the ovary. *Curr Opin Oncol* 2013; Sep;25(5): p553-7. Penson RT; Dizon DS; Birrer MJ.  
 Malignant tumors with clear cell morphology: a comparative immunohistochemical study with renal cell carcinoma antibody, Pax8, steroidogenic factor 1, and brachyury. *Ann Diagn Pathol* 2013; Apr;17(2): p192-7. Clayton EF; Ziober A, et al.  
 Clear cell carcinoma of the ovary: a review of the literature. *Gynecol Oncol* 2012; Sep;126(3): p481-90. del Carmen MG; Birrer M; Schorge JO.  
 Clear cell carcinoma of the ovary: is there a role of histology-specific treatment? *J Exp Clin Cancer Res* 2012; 31:53. Takano M; Tsuda H; Sugiyama T.  
 Prognostic determinants in patients with uterine and ovarian clear carcinoma. *Gynecol Oncol* 2012; May;125(2): p376-80. Rauh-Hain JA; Winograd D, et al.