



CALIFORNIA
TUMOR TISSUE REGISTRY

GYNECOLOGY PATHOLOGY

Minutes – Subscription A

November 2013



SUGGESTED READING (General Topics from Recent Literature):

- Diagnosis of Lung Cancer in Small Biopsies and Cytology. Implications of the 2011 International Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society Classification. *Arch Pathol Lab Med* 2013; 137:668-684. Travis WD, Brambilla E, et al.
- The Unsatisfactory Thin Prep ® Pap Test ™. Analysis of Technical Aspects, Most Common Causes, and Recommendations for Improvement. *Diagn Cytopathol* 2013; 41:588-594. Rosa M, Pragasaam P, et al.
- Relative Sensitivity of Thyroid Fine-Needle Aspiration by Tumor Type and Size. *Diagn Cytopathol* 2013; 41:871-875. Jo VY, Renshaw AA and Krane JF.
- Growth Pattern, an Important pathologic Prognostic Parameter for Clear Cell Renal Cell Carcinoma. *Am J Clin Pathol* 2013; 140:500-505. Fakatsu A, Tsuzuki T, et al.
- Visibility of Histoplasma Within Histocytes on Hematoxylin and Eosin Distinguishes Disseminated Histoplasmosis. *Hum Pathol* 2013; 44:2346-2352. Mukhopadhyay S and Dextader EE.

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FILE DIAGNOSES

CTTR Subscription A

November 2013

Case 1:

Symplastic/atypical leiomyoma, uterus

Case 2:

Sclerosing stromal tumor, ovary

Case 3:

Serous borderline tumor, ovary

Case 4:

Endometrial stromal sarcoma, low grade, uterus

Case 5:

Clear cell carcinoma, ovary

Case 6:

Dysgerminoma, ovary

Case 7:

Immatre teratoma of ovary and peritoneal gliomatosis

Case 8:

Juvenile granulosa cell tumor, ovary

Case 9:

Adult granulosa cell tumor, ovary

Case 10:

Malignant mixed mullerian tumor (carcinosarcoma), uterus

Alameda (Alameda County Medical Center) - Symplastic leiomyoma
Bishop (Northern Inyo Hospital) - Symplastic/atypical leiomyoma
Fontana (Kaiser Permanente) - Leiomyosarcoma
Hayward/Fremont - Atypical leiomyoma
Long Beach (Long Beach VA) - Leiomyosarcoma
Orange (UCI Medical Center) - Symplastic leiomyoma
San Diego (Naval Medical Center San Diego) - Symplastic leiomyoma
Santa Barbara (Miramonte Laboratory) - Bizarre leiomyoma
Woodland Hills (Kaiser Permanente) - Symplastic leiomyoma (leiomyoma with bizarre nuclei)
Arkansas (Associated Pathologist Laboratory) - Atypical leiomyoma (symplastic)
Colorado (University of Colorado) - Leiomyoma with bizarre nuclei
Delaware (Armed Forces Medical Examiner System) - Atypical leiomyoma
Florida (GastroEnterology Associates of Ocala) - Atypical leiomyoma
Florida, Boca Raton - Symplastic/bizarre leiomyoma
Florida (Memorial Regional Hospital) - Symplastic leiomyoma
Florida (Monroe Regional) - Leiomyosarcoma
Georgia, Atlanta - Symplastic leiomyoma
Georgia (Wellstar Healthcare System) - Leiomyosarcoma (3)
Illinois (Heartland Regional Medical Center) - Atypical leiomyoma
Illinois (Northwestern University) - Atypical leiomyoma
Illinois, Oak Brook - Bizarre leiomyoma
Kansas (Peterson Laboratory Services, P.A.) - Atypical leiomyoma
Maryland (University of Maryland) - Symplastic leiomyoma
Massachusetts (University of Massachusetts Medical Center) - Symplastic leiomyoma
Michigan (Henry Ford Health System) - Symplastic/atypical leiomyoma
Michigan (William Beaumont Hospital) - Leiomyoma with bizarre nuclei
Minnesota (Fairview Ridges Hospital) - Symplastic (atypical) leiomyoma
Mississippi (University of Mississippi Medical Center) - Atypical (bizarre) leiomyoma
Nebraska (Creighton University Medical Center) - Atypical leiomyoma
New York (SUNY Downstate) - Symplastic/bizarre leiomyoma
North Carolina (ECP) - Atypical leiomyoma
Ohio (Cleveland Clinic) - Atypical leiomyoma
Ohio (Summa Health System Residents) - Symplastic leiomyoma
Pennsylvania (Drexel University College of Medicine) - Leiomyoma with bizarre nuclei (atypical leiomyoma)
Pennsylvania (Lehigh Valley Hospital) - Pleomorphic leiomyoma
Puerto Rico (University of Puerto Rico) - Atypical leiomyoma
Texas, Crystal Beach - Leiomyosarcoma
Texas, Lubbock - Leiomyosarcoma
Washington (Seattle VAMC) - Pleomorphic, probably malignant stromal neoplasm/leiomyosarcoma
Wisconsin (Medical Assessment and Consultation, S.C.) - Benign “bizarre” leiomyoma
Wisconsin (Meriter Hospital) - Symplastic leiomyoma (2)
Australia (Royal Hobart Hospital) - Atypical leiomyoma
Brazil (Pathologia FCMS-JF) - Low grade leiomyosarcoma
Canada (Pasqua Hospital) - Atypical leiomyoma
Ireland (Bon Secours Hospital) - Atypical (symplastic) leiomyoma
Ireland (Kerry General Hospital) - Bizarre (symplastic) leiomyoma
Japan (Asahi General Hospital) - Leiomyoma with bizarre nuclei (1); Bizarre leiomyoma (1)
Japan (Setagaya-Ku) - Leiomyosarcoma
Japan (Wakayama Medical University) - Bizarre leiomyoma
Oman (Khoula Hospital) - Atypical/symplastic leiomyoma
Spain (Hospital Xeral) - Atypical leiomyoma

Case 1 - Diagnosis:

Symplastic/atypical leiomyoma, uterus

Case 1 - References:

A clinicopathologic study of uterine smooth muscle tumours of uncertain malignant potential (STUMP).

Ann Acad Med Singapore 2010; Aug;39(8): p625-8.

Ng JS; Han A; Chew SH; Low J.

MIB-1 (Ki-67), estrogen receptor, progesterone receptor, and p53 expression in atypical cells in uterine symplastic leiomyomas.

Int J Gynecol Pathol 2010; Jan;29(1): p51-4.

Sun X; Mittal K.

Uterine smooth muscle tumors other than the ordinary leiomyomas and leiomyosarcomas: a review of selected variants with emphasis on recent advances and unusual morphology that may cause concern for malignancy.

Adv Anat Pathol 2010; Mar;17(2): p91-112

Ip PP; Tse KY; Tam KF.

Myxoid symplastic leiomyoma of the uterus.

Pathology 2006; Jun;38(3): p275-7

Toon C; McGahan S; Henderson P; Russell P.

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): p37-8.

Fadare O; Wang S; Mariappan MR.

Case No. 2, Accession No. 31499

November 2013

Alameda (Alameda County Medical Center) - Sclerosing stromal tumor

Bishop (Northern Inyo Hospital) - Sclerosing stromal tumor

Fontana (Kaiser Permanente) - Sclerosing stromal tumor

Hayward/Fremont - Metastatic carcinoma vs. thecoma

Long Beach (Long Beach VA) - Thecoma

Orange (UCI Medical Center) - Fibrothecoma

San Diego (Naval Medical Center San Diego) - Sclerosing stromal tumor

Santa Barbara (Miramonte Laboratory) - Brenner tumor

Woodland Hills (Kaiser Permanente) - Sclerosing stromal tumor

Arkansas (Associated Pathologist Laboratory) - Fibrothecoma

Colorado (University of Colorado) - Fibrothecoma

Delaware (Armed Forces Medical Examiner System) - Fibrothecoma

Florida (GastroEnterology Associates of Ocala) - Sclerosing stromal tumor

Florida, Boca Raton - Fibrothecoma

Florida (Memorial Regional Hospital) - Pecoma

Florida (Monroe Regional) - Thecoma

Georgia, Atlanta - Luteinized thecoma

Georgia (Wellstar Healthcare System) - Malignant Brenner tumor (1); Leydig cell tumor (1); Stromal cell tumor (1)

Illinois (Heartland Regional Medical Center) - Sclerosing stromal tumor

Illinois (Northwestern University) - Fibrothecoma (luteinized)

Illinois, Oak Brook - Sclerosing stromal tumor

Kansas (Peterson Laboratory Services, P.A.) - Sclerosing stromal tumor

Maryland (University of Maryland) - Sclerosing stromal tumor

Massachusetts (University of Massachusetts Medical Center) - Fibrothecoma

Michigan (Henry Ford Health System) - Fibrothecoma

Michigan (William Beaumont Hospital) - Sclerosing stromal tumor

Minnesota (Fairview Ridges Hospital) - Luteinized thecoma

Mississippi (University of Mississippi Medical Center) - Sclerosing stromal tumor

Nebraska (Creighton University Medical Center) - Sclerosing stromal tumor
New York (SUNY Downstate) - Sclerosing stromal tumor
North Carolina (ECP) - Sclerosing stromal tumor
Ohio (Cleveland Clinic) - Sclerosing stromal tumor
Ohio (Summa Health System Residents) - Sclerosing stromal tumor
Pennsylvania (Drexel University College of Medicine) - Steroid tumor vs. Sertoli-Leydig cell tumor
Pennsylvania (Lehigh Valley Hospital) - Sclerosing stromal tumor
Puerto Rico (University of Puerto Rico) - Sclerosing stromal tumor
Texas, Crystal Beach - Thecoma
Texas, Lubbock - Steroid tumor, nos
Washington (Seattle VAMC) - Sclerosing stromal tumor
Wisconsin (Medical Assessment and Consultation, S.C.) - Ovarian thecoma
Wisconsin (Meriter Hospital) - Sclerosing stromal tumor (2)
Australia (Royal Hobart Hospital) - Sclerosing stromal tumor
Brazil (Pathologia FCMS-JF) - Stromal tumor, favoring tumor granulosa/fibrothecoma
Canada (Pasqua Hospital) - Sclerosing stromal tumor
Ireland (Bon Secours Hospital) - Sclerosing stromal tumor
Ireland (Kerry General Hospital) - Sclerosing stromal tumor
Japan (Asahi General Hospital) - Thecoma (1); Sclerosing stromal tumor (1)
Japan (Setagaya-Ku) - Thecoma
Japan (Wakayama Medical University) - Sclerosing stromal tumor
Oman (Khoula Hospital) - Thecoma-fibroma
Spain (Hospital Xeral) - Sclerosing stromal tumor

Case 2 - Diagnosis:

Sclerosing stromal tumor, ovary

Case 2 - References:

Sclerosing stromal tumour of the ovary--a clinicopathologic spectrum.

Indian J Pathol Microbiol 2005; Jul;48(3): p370-2.

Pai RR; Shaktawat SS, et al.

Sclerosing stromal tumour of ovary--a clinicopathological and immunohistochemical study of five cases.

Indian J Pathol Microbiol 2004; Jul;47(3): p333-5.

Mathur SR; Dahiya S, et al.

Tumor imprint cytology of sclerosing stromal tumor of the ovary.

Diagn Cytopathol 2003; Jan;28(1): p54-7.

Mikami M; Fukuchi T, et al.

The morphologic and immunohistochemical spectrum of 16 cases of sclerosing stromal tumor of the ovary.

Indian J Pathol Microbiol 2010; Oct-Dec;53(4): p658-60

Qureshi A; Raza A; Kayani N

Fine needle aspiration cytology in sclerosing stromal tumor of the ovary: a series of three cases.

Diagn Cytopathol 2012; Apr;40(4): p342-5.

Banik T; Gupta N; Dey P, et al.

Sclerosing stromal tumour of the ovary associated with Meigs' syndrome and elevated CA125.

J Obstet Gynaecol 2010;30(7): p747-8.

Amorim-Costa C; Costa C; Costa A, et al.

Alameda (Alameda County Medical Center) - Serous papillary, borderline
Bishop (Northern Inyo Hospital) - Papillary serous tumor of borderline potential
Fontana (Kaiser Permanente) - Borderline papillary serous
Hayward/Fremont - Mucinous borderline tumor, endocervical type
Long Beach (Long Beach VA) - Papillary mucinous cyst adenocarcinoma of low malignant potential
Orange (UCI Medical Center) - Borderline mucinous neoplasm
San Diego (Naval Medical Center San Diego) - Borderline serous cystadenoma
Santa Barbara (Miramonte Laboratory) - Borderline papillary serous tumor
Woodland Hills (Kaiser Permanente) - Serous borderline tumor
Arkansas (Associated Pathologist Laboratory) - Borderline serous tumor
Colorado (University of Colorado) - Seromucinous borderline tumor
Delaware (Armed Forces Medical Examiner System) - Serous borderline tumor
Florida (GastroEnterology Associates of Ocala) - Mucinous cystic tumor
Florida, Boca Raton - Ovarian borderline serous neoplasm
Florida (Memorial Regional Hospital) - Borderline serous tumor
Florida (Monroe Regional) - Borderline papillary serous tumor
Georgia, Atlanta - Mucinous borderline tumor of endocervical type
Georgia (Wellstar Healthcare System) - Borderline tumor (1); Serous papillary borderline tumor (2)
Illinois (Heartland Regional Medical Center) - Borderline papillary serous cystadenoma
Illinois (Northwestern University) - Borderline serous tumor
Illinois, Oak Brook - Serous papillary tumor, borderline
Kansas (Peterson Laboratory Services, P.A.) - Borderline serous tumor
Maryland (University of Maryland) - Serous cystic neoplasm of borderline/uncertain malignant potential
Massachusetts (University of Massachusetts Medical Center) - Borderline mucinous tumor
Michigan (Henry Ford Health System) - Serous borderline tumor
Michigan (William Beaumont Hospital) - Mucinous borderline tumor
Minnesota (Fairview Ridges Hospital) - Borderline serous tumor
Mississippi (University of Mississippi Medical Center) - Metaplastic papillary lesion of pregnancy
Nebraska (Creighton University Medical Center) - Serous borderline cystadenoma
New York (SUNY Downstate) - Borderline serous tumor/APST
North Carolina (ECP) - Serous borderline tumor
Ohio (Cleveland Clinic) - Sero-mucinous borderline tumor of the ovary
Ohio (Summa Health System Residents) - Mucinous borderline tumor, endocervical-like
Pennsylvania (Drexel University College of Medicine) - Serous cystadenoma, borderline
Pennsylvania (Lehigh Valley Hospital) - Papillary mucinous tumor of low malignant potential
Puerto Rico (University of Puerto Rico) - Serous borderline tumor
Texas, Crystal Beach - Serous papilloma, borderline
Texas, Lubbock - Papillary serous tumor of low malignant potential
Washington (Seattle VAMC) - Serous borderline tumor
Wisconsin (Medical Assessment and Consultation, S.C.) - Borderline cystadenoma, low malignant potential
Wisconsin (Meriter Hospital) - Mucinous tumor of low malignant potential, endocervical type (2)
Australia (Royal Hobart Hospital) - Serous borderline tumor
Brazil (Pathologia FCMS-JF) - Borderline serous tumor
Canada (Pasqua Hospital) - Serous borderline tumor with microinvasion
Ireland (Bon Secours Hospital) - Borderline serous tumor
Ireland (Kerry General Hospital) - Serous borderline tumor/low grade papillary serous carcinoma
Japan (Asahi General Hospital) - Mucinous borderline tumor, endocervical-like (1); Mucinous cysadenocarcinoma (1)
Japan (Setagaya-Ku) - Mucinous cystadenoma
Japan (Wakayama Medical University) - Serous borderline tumor
Oman (Khoula Hospital) - Borderline serous cystadenoma
Spain (Hospital Xeral) - Borderline mucinous tumor

Case 3 - Diagnosis:

Serous borderline tumor, ovary

Case 3 - References:

Hobnail-like cells in serous borderline tumor do not represent concomitant incipient clear cell neoplasms.

Hum Pathol 2009; Aug;40(8): p1168-75.

Ohishi Y; Oda Y; Kurihara S; Kaku T; Yasunaga M; Nishimura I; Okuma E; Kobayashi H; Wake N; Tsuneyoshi M

Low-grade serous neoplasms of the ovary with transformation to high-grade carcinomas: a report of 3 cases.

Int J Gynecol Pathol 2012; Sep;31(5): p423-8.

Garg K; Park KJ; Soslow RA.

Low-grade ovarian serous neoplasms (low-grade serous carcinoma and serous borderline tumor) associated with high-grade serous carcinoma or undifferentiated carcinoma: report of a series of cases of an unusual phenomenon.

Am J Surg Pathol 2012; Mar;36(3): p368-75.

Boyd C; McCluggage WG.

The presence and location of epithelial implants and implants with epithelial proliferation may predict a higher risk of recurrence in serous borderline ovarian tumors: a clinicopathologic study of 188 cases.

Hum Pathol 2012; May;43(5): p747-52.

Quddus MR; Sung CJ; Zhang C; Moore RG; Ou JJ; Steinhoff MM; Lawrence WD.

The pathology of and controversial aspects of ovarian borderline tumours.

Curr Opin Oncol 2010; Sep;22(5): p462-72.

McCluggage WG.

Case No. 4, Accession No. 31030

November 2013

Alameda (Alameda County Medical Center) - Endometrial stromal sarcoma

Bishop (Northern Inyo Hospital) - Endometrial stromal sarcoma

Fontana (Kaiser Permanente) - Endometrial stromal sarcoma, low grade

Hayward/Fremont - Endometrial stromal sarcoma

Long Beach (Long Beach VA) - Endometrial stromal sarcoma

Orange (UCI Medical Center) - Low grade stromal sarcoma

San Diego (Naval Medical Center San Diego) - Endometrial stromal sarcoma

Santa Barbara (Miramonte Laboratory) - Hemangiopericytoma

Woodland Hills (Kaiser Permanente) - Low grade endometrial stromal sarcoma

Arkansas (Associated Pathologist Laboratory) - Low grade endometrial stromal sarcoma

Colorado (University of Colorado) - Low grade endometrial stromal sarcoma

Delaware (Armed Forces Medical Examiner System) - Endometrial stromal nodule

Florida (GastroEnterology Associates of Ocala) - Endometrial stromal sarcoma, low grade

Florida, Boca Raton - Endometrial stromal sarcoma

Florida (Memorial Regional Hospital) - Low grade stromal tumor

Florida (Monroe Regional) - Endometrial stromal tumor

Georgia, Atlanta - Low grade endometrial stromal sarcoma

Georgia (Wellstar Healthcare System) - Endometrial stromal tumor (2); Endometrial stromal sarcoma (1)

Illinois (Heartland Regional Medical Center) - Endometrial stromal sarcoma, low grade

Illinois (Northwestern University) - Low grade stromal sarcoma

Illinois, Oak Brook - Low grade endometrial stromal sarcoma

Kansas (Peterson Laboratory Services, P.A.) - Low grade stromal sarcoma

Maryland (University of Maryland) - Endometrial stromal sarcoma

Massachusetts (University of Massachusetts Medical Center) - Low grade endometrial stromal tumor

Michigan (Henry Ford Health System) - Endometrial stromal sarcoma

Michigan (William Beaumont Hospital) - Low grade endometrial stromal sarcoma

Minnesota (Fairview Ridges Hospital) - Low grade endometrial stromal sarcoma

Mississippi (University of Mississippi Medical Center) - Endometrial stromal sarcoma

Nebraska (Creighton University Medical Center) - Endometrial stromal sarcoma, low grade

New York (SUNY Downstate) - Endometrial stromal sarcoma
North Carolina (ECP) - Endometrial stromal sarcoma
Ohio (Cleveland Clinic) - Low grade endometrial stromal sarcoma
Ohio (Summa Health System Residents) - Endometrial stromal sarcoma
Pennsylvania (Drexel University College of Medicine) - Endometrial stromal sarcoma, status after chemotherapy
Pennsylvania (Lehigh Valley Hospital) - Endometrial stromal sarcoma
Puerto Rico (University of Puerto Rico) - Low grade endometrial stromal sarcoma
Texas, Crystal Beach - Lymphoma extranodal
Texas, Lubbock - Low grade stromal sarcoma
Washington (Seattle VAMC) - Endometrial stromal sarcoma
Wisconsin (Medical Assessment and Consultation, S.C.) - Low grade endometrial stromal sarcoma
Wisconsin (Meriter Hospital) - Endometrial stromal sarcoma (2)
Australia (Royal Hobart Hospital) - Low grade endometrial stromal sarcoma
Brazil (Pathologia FCMS-JF) - Endometrial stromal sarcoma, low grade
Canada (Pasqua Hospital) - Endometrial stromal sarcoma
Ireland (Bon Secours Hospital) - Low grade endometrial stromal sarcoma
Ireland (Kerry General Hospital) - Low grade endometrial stromal tumor
Japan (Asahi General Hospital) - Endometrial stromal sarcoma (2)
Japan (Setagaya-Ku) - Endometrial stromal tumor
Japan (Wakayama Medical University) - Endometrial stromal sarcoma, low grade
Oman (Khoulia Hospital) - Low grade endometrial stromal sarcoma
Spain (Hospital Xeral) - Low grade stromal sarcoma

Case 4 - Diagnosis:

Endometrial stromal sarcoma, low grade, uterus

Case 4 - References:

Endometrial stromal sarcomas: a review of potential prognostic factors.

Adv Anat Pathol 2010; Mar;17(2): p113-21.

Chew I; Oliva E.

Peritoneal washing cytology of disseminated low grade endometrial stromal sarcoma: a case report.

Acta Cytol 2009; Sep-Oct;53(5): p587-90.

Lim BJ; Choi SY, et al.

Low-grade endometrial stromal sarcoma of the uterus: review of 10 cases.

Anticancer Res 2008; Sep-Oct;28(5B): p2869-74.

Landreat V; Paillocher N, et al.

Low-grade endometrial stromal sarcoma with retroperitoneal metastases: an unusual case report.

Arch Gynecol Obstet 2008; Feb;277(2): p179-82.

Guzelmeric K; Ergen B, et al.

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.

Endometrial stromal sarcoma of the small bowel.

Ann Diagn Pathol 2008; Apr;12(2): p128-33.

Kim L; Choi SJ, et al.

Alameda (Alameda County Medical Center) - Clear cell carcinoma
Bishop (Northern Inyo Hospital) - Clear cell carcinoma
Fontana (Kaiser Permanente) - Clear cell carcinoma
Hayward/Fremont - Clear cell carcinoma
Long Beach (Long Beach VA) - Mucinous adenocarcinoma, clear cell type, high grade
Orange (UCI Medical Center) - Clear cell carcinoma
San Diego (Naval Medical Center San Diego) - Clear cell carcinoma
Santa Barbara (Miramonte Laboratory) - Clear cell carcinoma
Woodland Hills (Kaiser Permanente) - Metastatic adenocarcinoma (gastric primary)
Arkansas (Associated Pathologist Laboratory) - Germ cell, sex-cord stromal tumor, unclassified
Colorado (University of Colorado) - Hepatoid yolk sac tumor
Delaware (Armed Forces Medical Examiner System) - Clear cell adenocarcinoma
Florida (GastroEnterology Associates of Ocala) - Metastatic adenocarcinoma, probable gastric (Krukenberg tumor)
Florida, Boca Raton - Clear cell adenocarcinoma of the ovary
Florida (Memorial Regional Hospital) - Mucinous carcinoma (Krukenberg)
Florida (Monroe Regional) - Clear cell adenocarcinoma
Georgia, Atlanta - Clear cell carcinoma
Georgia (Wellstar Healthcare System) - Clear cell carcinoma (2)
Illinois (Heartland Regional Medical Center) - Clear cell carcinoma
Illinois (Northwestern University) - Clear cell carcinoma
Illinois, Oak Brook - Clear cell adenocarcinoma
Kansas (Peterson Laboratory Services, P.A.) - Clear cell carcinoma
Maryland (University of Maryland) - Clear cell carcinoma
Massachusetts (University of Massachusetts Medical Center) - Clear cell carcinoma
Michigan (Henry Ford Health System) - Clear cell adenocarcinoma
Michigan (William Beaumont Hospital) - Clear cell carcinoma
Minnesota (Fairview Ridges Hospital) - Clear cell carcinoma, oxyphilic type
Mississippi (University of Mississippi Medical Center) - Sertoli-Leydig cell tumor
Nebraska (Creighton University Medical Center) - Clear cell carcinoma
New York (SUNY Downstate) - Clear cell carcinoma of ovary, oxyphilic type
North Carolina (ECP) - Hepatoid carcinoma
Ohio (Cleveland Clinic) - Clear cell carcinoma
Ohio (Summa Health System Residents) - Clear cell carcinoma
Pennsylvania (Drexel University College of Medicine) - Clear cell carcinoma
Pennsylvania (Lehigh Valley Hospital) - Clear cell carcinoma
Puerto Rico (University of Puerto Rico) - Clear cell adenocarcinoma
Texas, Crystal Beach - Adenocarcinoma
Texas, Lubbock - Mucinous carcinoma, hepatoid variant
Washington (Seattle VAMC) - High grade adenocarcinoma, clear cell growth pattern
Wisconsin (Medical Assessment and Consultation, S.C.) - Clear cell carcinoma with oxyphilic cells
Wisconsin (Meriter Hospital) - Clear cell carcinoma (2)
Australia (Royal Hobart Hospital) - Clear cell carcinoma (oxyphilic variant)
Brazil (Pathologia FCMS-JF) - Mucinous carcinoma
Canada (Pasqua Hospital) - Clear cell carcinoma
Ireland (Bon Secours Hospital) - Clear cell carcinoma
Ireland (Kerry General Hospital) - Mucinous carcinoma
Japan (Asahi General Hospital) - Clear cell carcinoma (1); Sertoli-Leydig cell tumor (1)
Japan (Setagaya-Ku) - Clear cell carcinoma
Japan (Wakayama Medical University) - Clear cell adenocarcinoma
Oman (Khoula Hospital) - Clear cell adenocarcinoma
Spain (Hospital Xeral) - Clear cell carcinoma

Case 5 - Diagnosis:

Clear cell carcinoma, ovary

Case 5 - References:

Clear cell carcinoma of the ovary mimicking struma ovarii and carcinoid tumor.

Ann Diagn Pathol 2011; Apr;15(2): p124-7.

Alduaij A; Quddus MR.

Hyalinized stroma in clear cell carcinoma of the ovary: how is it formed?

Hum Pathol 2012; Nov;43(11): p2041-6.

Kato N; Takeda J, et al.

Management and prognosis of clear cell borderline ovarian tumor.

Int J Gynecol Cancer 2012; Jul;22(6): p993-9.

Uzan C; Dufeu-Lefebvre M, et al.

Ovarian clear cell carcinoma with choriocarcinomatous differentiation: report of a rare and aggressive tumor.

Int J Gynecol Pathol 2010; Nov;29(6): p539-45.

Hu YJ; Ip PP, et al.

Clear cell carcinoma of the ovary: a report from the first Ovarian Clear Cell Symposium, June 24th, 2010.

Gynecol Oncol 2011; 1 May 1;121(2): p407-15.

Anglesio MS; Carey MS, et al.

Histologic subtypes of ovarian carcinoma: an overview.

Int J Gynecol Pathol 2008; Apr;27(2): p161-74.

Soslow RA.

Case No. 6, Accession No. 30930

November 2013

Alameda (Alameda County Medical Center) - Dysgerminoma

Bishop (Northern Inyo Hospital) - Dysgerminoma

Fontana (Kaiser Permanente) - Dysgerminoma

Hayward/Fremont - Dysgerminoma

Long Beach (Long Beach VA) - Malignant germ cell tumor, dysgerminoma

Orange (UCI Medical Center) - Dysgerminoma

San Diego (Naval Medical Center San Diego) - Dysgerminoma

Santa Barbara (Miramonte Laboratory) - Dysgerminoma

Woodland Hills (Kaiser Permanente) - Dysgerminoma

Arkansas (Associated Pathologist Laboratory) - Dysgerminoma

Colorado (University of Colorado) - Dysgerminoma

Delaware (Armed Forces Medical Examiner System) - Dysgerminoma

Florida (GastroEnterology Associates of Ocala) - Dysgerminoma

Florida, Boca Raton - Dysgerminoma

Florida (Memorial Regional Hospital) - Dysgerminoma

Florida (Monroe Regional) - Dysgerminoma

Georgia, Atlanta - Dysgerminoma

Georgia (Wellstar Healthcare System) - Dysgerminoma (3)

Illinois (Heartland Regional Medical Center) - Dysgerminoma

Illinois (Northwestern University) - Dysgerminoma

Illinois, Oak Brook - Dysgerminoma

Kansas (Peterson Laboratory Services, P.A.) - Dysgerminoma

Maryland (University of Maryland) - Dysgerminoma

Massachusetts (University of Massachusetts Medical Center) - Dysgerminoma

Michigan (Henry Ford Health System) - Dysgerminoma

Michigan (William Beaumont Hospital) - Dysgerminoma

Minnesota (Fairview Ridges Hospital) - Dysgerminoma
Mississippi (University of Mississippi Medical Center) - Dysgerminoma
Nebraska (Creighton University Medical Center) - Dysgerminoma
New York (SUNY Downstate) - Dysgerminoma
North Carolina (ECP) - Dysgerminoma
Ohio (Cleveland Clinic) - Dysgerminoma
Ohio (Summa Health System Residents) - Dysgerminoma
Pennsylvania (Drexel University College of Medicine) - Dysgerminoma
Pennsylvania (Lehigh Valley Hospital) - Dysgerminoma
Puerto Rico (University of Puerto Rico) - Dysgerminoma
Texas, Crystal Beach - Dysgerminoma
Texas, Lubbock - Dysgerminoma
Washington (Seattle VAMC) - Dysgerminoma
Wisconsin (Medical Assessment and Consultation, S.C.) - Dysgerminoma of ovary
Wisconsin (Meriter Hospital) - Dysgerminoma (2)
Australia (Royal Hobart Hospital) - Dysgerminoma
Brazil (Pathologia FCMS-JF) - Dysgerminoma
Canada (Pasqua Hospital) - Dysgerminoma
Ireland (Bon Secours Hospital) - Dysgerminoma
Ireland (Kerry General Hospital) - Dysgerminoma
Japan (Asahi General Hospital) - Dysgerminoma (2)
Japan (Setagaya-Ku) - Dysgerminoma
Japan (Wakayama Medical University) - Dysgerminoma
Oman (Khoula Hospital) - Dysgerminoma
Spain (Hospital Xeral) - Dysgerminoma

Case 6 - Diagnosis:

Dysgerminoma, ovary

Case 6 - References:

Immunohistochemistry diagnosis of an ovarian dysgerminoma in one bitch.

Reprod Domest Anim 2009; Oct;44(5): p855-8.

Park JK; Goo MJ, et al.

KIT gene mutation and amplification in dysgerminoma of the ovary.

Cancer 2011; May 15;117(10): p2096-103.

Cheng L; Roth LM; Zhang S; Wang M; Morton MJ; Zheng W; Abdul Karim FW; Montironi R; Lopez-Beltran A.

Dysgerminoma in a case of 46, XY pure gonadal dysgenesis (Swyer syndrome): a case report.

Diagn Pathol 2011;6:84.

Han Y; Wang Y, et al.

Pure dysgerminoma of the ovary 35 years on: a single institutional experience.

Gynecol Oncol 2010; Apr;117(1): p23-6.

Vicus D; Beiner ME, et al.

Dysgerminoma in the uterine cervix.

Int J Gynaecol Obstet 2012; Jan;116(1): p83-4.

Kumar S; Kumar L, et al.

Alameda (Alameda County Medical Center) - Mature teratoma
Bishop (Northern Inyo Hospital) - Gliomatosis peritonei, immature
Fontana (Kaiser Permanente) - Mature teratoma
Hayward/Fremont - Teratoma with neural elements, rule out VRD
Long Beach (Long Beach VA) - Mature teratoma
Orange (UCI Medical Center) - Immature teratoma
San Diego (Naval Medical Center San Diego) - Immature teratoma
Santa Barbara (Miramonte Laboratory) - Angiomyolipoma
Woodland Hills (Kaiser Permanente) - Gliomatosis peritonei
Arkansas (Associated Pathologist Laboratory) - Mature teratoma, solid
Colorado (University of Colorado) - Gliomatosis peritonei
Delaware (Armed Forces Medical Examiner System) - Immature teratoma
Florida (GastroEnterology Associates of Ocala) - Mature teratoma
Florida, Boca Raton - Gliomatosis peritonei
Florida (Memorial Regional Hospital) - Gliomatosis peritonei
Florida (Monroe Regional) - Teratoma consistent with immature elements
Georgia, Atlanta - Peritoneal gliomatosis
Georgia (Wellstar Healthcare System) - Immature teratoma (3)
Illinois (Heartland Regional Medical Center) - Mature teratoma
Illinois (Northwestern University) - Immature teratoma, grade II
Illinois, Oak Brook - Gliomatous serosal implants
Kansas (Peterson Laboratory Services, P.A.) - Mature teratoma
Maryland (University of Maryland) - Gliomatosis peritonei
Massachusetts (University of Massachusetts Medical Center) - Mature teratoma
Michigan (Henry Ford Health System) - Mature teratoma
Michigan (William Beaumont Hospital) - Immature teratoma
Minnesota (Fairview Ridges Hospital) - Gliomatosis peritonei
Mississippi (University of Mississippi Medical Center) - Immature teratoma
Nebraska (Creighton University Medical Center) - Immature teratoma
New York (SUNY Downstate) - Solid mature teratoma
North Carolina (ECP) - Immature teratoma, low grade
Ohio (Cleveland Clinic) - Gliomatous peritonei
Ohio (Summa Health System Residents) - Immature teratoma
Pennsylvania (Drexel University College of Medicine) - Cystic teratoma
Pennsylvania (Lehigh Valley Hospital) - Immature teratoma
Puerto Rico (University of Puerto Rico) - Gliomatosis peritonei
Texas, Crystal Beach - Teratoma
Texas, Lubbock - Immature teratoma
Washington (Seattle VAMC) - Teratoma with relatively mature elements
Wisconsin (Medical Assessment and Consultation, S.C.) - Ovarian immature teratoma
Wisconsin (Meriter Hospital) - Gliomatosis peritonei (2)
Australia (Royal Hobart Hospital) - Peritoneal gliomatosis
Brazil (Pathologia FCMS-JF) - Leiomyomatosis peritoneal x cotiledonoyd dissecting leiomyoma
Canada (Pasqua Hospital) - Immature teratoma
Ireland (Bon Secours Hospital) - Gliomatosis peritonei
Ireland (Kerry General Hospital) - Immature teratoma
Japan (Asahi General Hospital) - Gliomatosis peritonei (1); Neurofibromatosis (1)
Japan (Setagaya-Ku) - Teratoma
Japan (Wakayama Medical University) - Peritoneal gliomatosis
Oman (Khoula Hospital) - Gliomatosis peritonei
Spain (Hospital Xeral) - Gliomatosis peritonei

Case 7 - Diagnosis:

Immature teratoma of ovary & peritoneal gliomatosis

Outside Consultation: University of California, San Francisco, CA; Dr. Charles Zaloudek, M.D., “Immature teratoma, grade 2.

Case 7 - References:

Oct4 expression in immature teratoma of the ovary: relevance to histologic grade and degree of differentiation.

Am J Surg Pathol 2010; Dec;34(12): p1842-8.

Abiko K; Mandai M, et al.

Expression of glial cell line-derived neurotrophic factor receptor alpha-1 in immature teratomas.

Am J Clin Pathol 2008; Dec;130(6): p892-6.

Bing Z; Pasha TL, et al.

Immature teratoma of the ovary with distant metastases: favorable prognosis and insights into chemotherapeutic retroconversion.

Int J Gynecol Pathol 2010; Sep;29(5): p438-44.

Kurata A; Hirano K, et al.

Imprint cytology of high-grade immature ovarian teratoma: a case report, literature review, and distinction from other ovarian small round cell tumors.

Diagn Cytopathol 2008; Aug;36(8): p595-9.

Ramalingam P; Teague D; Reid-Nicholson M.

Gliomatosis peritonei is associated with frequent recurrence, but does not affect overall survival in patients with ovarian immature teratoma.

Virchows Arch 2012; Sep;461(3): p299-304.

Yoon NR; Lee JW, et al.

Progression from an immature teratoma with miliary gliomatosis peritonei to growing teratoma syndrome with nodular gliomatosis peritonei.

Pediatr Neonatol 2009; Apr;50(2): p78-81.

Hsieh YL; Liu CS.

Case No. 8, Accession No. 30658

November 2013

Alameda (Alameda County Medical Center) - Granulosa cell tumor, juvenile type

Bishop (Northern Inyo Hospital) - Juvenile granulosa cell tumor

Fontana (Kaiser Permanente) - Juvenile granulosa cell tumor

Hayward/Fremont - Juvenile granulosa cell tumor

Long Beach (Long Beach VA) - Juvenile granulosa cell tumor

Orange (UCI Medical Center) - Juvenile granulosa cell tumor

San Diego (Naval Medical Center San Diego) - Juvenile granulosa cell tumor

Santa Barbara (Miramonte Laboratory) - Sertoli-Leydig tumor

Woodland Hills (Kaiser Permanente) - Juvenile granulosa cell tumor

Arkansas (Associated Pathologist Laboratory) - Juvenile granulosa cell tumor

Colorado (University of Colorado) - Juvenile granulosa cell tumor

Delaware (Armed Forces Medical Examiner System) - Juvenile granulosa cell tumor

Florida (GastroEnterology Associates of Ocala) - Granulosa cell tumor, juvenile

Florida, Boca Raton - Juvenile granulosa cell tumor

Florida (Memorial Regional Hospital) - Juvenile granulosa cell tumor

Florida (Monroe Regional) - Polycystic ovary

Georgia, Atlanta - Juvenile granulosa cell tumor

Georgia (Wellstar Healthcare System) - Juvenile granulosa cell tumor (1); Myofibroblastoma (1); Stromal cell tumor

(1)

Illinois (Heartland Regional Medical Center) - Juvenile granulosa cell tumor

Illinois (Northwestern University) - Juvenile granulosa cell tumor
Illinois, Oak Brook - Juvenile granulosa cell tumor
Kansas (Peterson Laboratory Services, P.A.) - Juvenile granulosa cell tumor
Maryland (University of Maryland) - Juvenile granulosa cell tumor
Massachusetts (University of Massachusetts Medical Center) - Juvenile granulosa tumor
Michigan (Henry Ford Health System) - Juvenile granulosa cell tumor
Michigan (William Beaumont Hospital) - Juvenile granulosa cell tumor
Minnesota (Fairview Ridges Hospital) - Juvenile granulosa cell tumor
Mississippi (University of Mississippi Medical Center) - Juvenile granulosa cell tumor
Nebraska (Creighton University Medical Center) - Juvenile granuloma cell tumor
New York (SUNY Downstate) - Juvenile granulosa cell tumor
North Carolina (ECP) - Juvenile granulosa cell tumor
Ohio (Cleveland Clinic) - Juvenile granular cell tumor
Ohio (Summa Health System Residents) - Juvenile granulosa cell tumor
Pennsylvania (Drexel University College of Medicine) - Juvenile granulosa cell tumor
Pennsylvania (Lehigh Valley Hospital) - Juvenile granulosa cell tumor
Puerto Rico (University of Puerto Rico) - Juvenile granulosa cell tumor
Texas, Crystal Beach - Juvenile granulosa cell tumor
Texas, Lubbock - Juvenile granulosa cell tumor
Washington (Seattle VAMC) - Juvenile granulosa cell tumor
Wisconsin (Medical Assessment and Consultation, S.C.) - Juvenile granulosa cell neoplasm
Wisconsin (Meriter Hospital) - Juvenile granulosa cell tumor (2)
Australia (Royal Hobart Hospital) - Juvenile granulosa cell tumor
Brazil (Pathologia FCMS-JF) - Granulosa cell tumor
Canada (Pasqua Hospital) - Juvenile granulosa cell tumor
Ireland (Bon Secours Hospital) - Juvenile granulosa cell tumor
Ireland (Kerry General Hospital) - Juvenile granulosa cell tumor
Japan (Asahi General Hospital) - Juvenile granulosa cell tumor (2)
Japan (Setagaya-Ku) - Juvenile granulosa cell tumor
Japan (Wakayama Medical University) - Juvenile granulosa cell tumor
Oman (Khoula Hospital) - Juvenile granulosa cell tumor
Spain (Hospital Xeral) - Juvenile granulosa cell tumor

Case 8 - Diagnosis:

Juvenile granulosa cell tumor, ovary

Case 8 - References:

Juvenile granulosa cell tumor of adult testis: a case report.
Urology 2008; Jul;72(1): p230.e11-3.
 Lin KH; Lin SE; Lee LM.

Granulosa cell tumor of the ovary: cytologic findings.
Acta Cytol 2010; Jul-Aug;54(4): p551-9.
 Kavuri S; Kulkarni R; Reid-Nicholson M.

Granulosa cell tumors of the ovary with a pseudopapillary pattern: a study of 14 cases of an unusual morphologic variant emphasizing their distinction from transitional cell neoplasms and other papillary ovarian tumors.
Am J Surg Pathol 2008; Apr;32(4): p581-6.
 Irving JA; Young RH.

Juvenile granulosa cell ovarian tumor: a case report and review of literature.
J Pediatr Adolesc Gynecol 2009; Oct;22(5): pe114-7.
 Sivasankaran S; Itam P, et al.

Early pregnancy complicated with juvenile granulosa cell tumor.
Am J Med Sci 2011; Nov;342(5): p435-7.

Alameda (Alameda County Medical Center) - Granulosa cell tumor, adult type
Bishop (Northern Inyo Hospital) - Sex cord tumor
Fontana (Kaiser Permanente) - Adult granulosa cell tumor
Hayward/Fremont - Adult granulosa cell tumor
Long Beach (Long Beach VA) - Granulosa cell tumor
Orange (UCI Medical Center) - Sertoli Leydig cell tumor
San Diego (Naval Medical Center San Diego) - Adult granulosa cell tumor
Santa Barbara (Miramonte Laboratory) - Granulosa cell tumor
Woodland Hills (Kaiser Permanente) - Granulosa cell tumor
Arkansas (Associated Pathologist Laboratory) - Sertoli Leydig cell tumor
Colorado (University of Colorado) - Adult granulosa cell tumor
Delaware (Armed Forces Medical Examiner System) - Adult granulosa cell tumor
Florida (GastroEnterology Associates of Ocala) - Granulosa cell tumor, adult
Florida, Boca Raton - Granulosa cell tumor
Florida (Monroe Regional) - Granulosa cell tumor
Georgia, Atlanta - Adult granulosa cell tumor
Georgia (Wellstar Healthcare System) - Granulosa cell tumor (1); Sertoli-Leydig tumor (1); Sex cord stromal tumor/granulosa cell tumor (1)
Illinois (Heartland Regional Medical Center) - Adult granulosa cell tumor
Illinois (Northwestern University) - Sex cord stromal tumor
Illinois, Oak Brook - Adult granulosa cell tumor
Kansas (Peterson Laboratory Services, P.A.) - Poorly differentiated Sertoli-Leydig tumor
Maryland (University of Maryland) - Adult granulosa cell tumor
Massachusetts (University of Massachusetts Medical Center) - Adult granulosa cell tumor
Michigan (Henry Ford Health System) - Adult granulosa cell tumor
Michigan (William Beaumont Hospital) - Adult granulosa cell tumor
Minnesota (Fairview Ridges Hospital) - Adult granulosa cell tumor
Mississippi (University of Mississippi Medical Center) - Granulosa cell tumor
Nebraska (Creighton University Medical Center) - Granulosa cell tumor
New York (SUNY Downstate) - Adult granulosa cell tumor
North Carolina (ECP) - Adult granulosa cell tumor
Ohio (Summa Health System Residents) - Adult granulosa cell tumor
Pennsylvania (Drexel University College of Medicine) - Adult granulosa cell tumor
Pennsylvania (Lehigh Valley Hospital) - Adult granulosa cell tumor
Puerto Rico (University of Puerto Rico) - Adult granulosa cell tumor
Texas, Crystal Beach - Ovarian stromal hyperplasia
Texas, Lubbock - Granulosa cell tumor
Washington (Seattle VAMC) - Sex cord stromal tumor, some granulosa cell growth pattern
Wisconsin (Medical Assessment and Consultation, S.C.) - Ovarian yolk sac neoplasm "tumor"
Wisconsin (Meriter Hospital) - Adult granulosa cell tumor (2)
Australia (Royal Hobart Hospital) - Adult granulosa cell tumor
Brazil (Pathologia FCMS-JF) - Granulosa cell tumor
Canada (Pasqua Hospital) - Granulosa cell tumor
Ireland (Bon Secours Hospital) - Adult granulosa cell tumor
Ireland (Kerry General Hospital) - Granulosa cell tumor
Japan (Asahi General Hospital) - Adult granulosa cell tumor (2)
Japan (Setagaya-Ku) - Wolffian tumor
Japan (Wakayama Medical University) - Granulosa cell tumor
Oman (Khoula Hospital) - Granulosa cell tumor
Spain (Hospital Xeral) - Adult granulosa cell tumor

Case 9 - Diagnosis:

Adult granulosa cell tumor, ovary

Case 9 - References:

Adult granulosa cell tumor of the ovary: fine-needle-aspiration cytology of 10 cases and review of literature.

Diagn Cytopathol 2008; May;36(5): p297-302.

Ali S; Gattuso P; Howard A; Mosunjac MB; Siddiqui MT.

Luteinized adult granulosa cell tumor--a series of 9 cases: revisiting a rare variant of adult granulosa cell tumor.

Int J Gynecol Pathol 2011; Sep;30(5): p452-9.

Ganesan R; Hirschowitz L; Baltrusaityte I; McCluggage WG.

Adult testicular granulosa cell tumor: a review of the literature for clinicopathologic predictors of malignancy.

Arch Pathol Lab Med 2011; Jan;135(1): p143-6.

Hanson JA; Ambaye AB.

Fine needle aspiration of metastatic adult granulosa cell tumor of the ovary: a case report.

Acta Cytol 2010; Sep-Oct;54(5 Suppl): p933-8.

Balachandran I; Ju J; Walker J; Broman J.

FOXL2 mutation in granulosa-cell tumours of the ovary.

Histopathology 2010; Feb;56(3): p408-10.

Kim T; Sung CO; Song SY; Bae DS; Choi YL.

Case No. 10, Accession No. 29805

November 2013

Alameda (Alameda County Medical Center) - Carcinosarcoma

Bishop (Northern Inyo Hospital) - Poorly differentiated endometrial carcinoma

Fontana (Kaiser Permanente) - Carcinosarcoma

Hayward/Fremont - Malignant mixed Mullerian tumor

Long Beach (Long Beach VA) - Malignant mixed mullerian tumor

Orange (UCI Medical Center) - Malignant mixed mullerian tumor with heterologous element

San Diego (Naval Medical Center San Diego) - Malignant mixed Mullerian tumor

Santa Barbara (Miramonte Laboratory) - Carcinosarcoma

Woodland Hills (Kaiser Permanente) - Malignant mixed mullerian tumor

Arkansas (Associated Pathologist Laboratory) - Malignant mixed mullerian tumor

Colorado (University of Colorado) - Carcinosarcoma

Delaware (Armed Forces Medical Examiner System) - Carcinosarcoma

Florida (GastroEnterology Associates of Ocala) - Carcinosarcoma

Florida, Boca Raton - Malignant mixed mullerian tumor

Florida (Memorial Regional Hospital) - Malignant mixed mullerian tumor

Florida (Monroe Regional) - Carcinosarcoma

Georgia, Atlanta - Malignant mixed mullerian tumor

Georgia (Wellstar Healthcare System) - Malignant mixed mullerian tumor (1); Undifferentiated endometrial carcinoma

(1); Endometrial sarcoma/malignant mixed mullerian tumor (1)

Illinois (Heartland Regional Medical Center) - Carcinosarcoma (malignant mixed mullerian tumor)

Illinois (Northwestern University) - Malignant mixed mullerian tumor

Illinois, Oak Brook - Carcinosarcoma

Kansas (Peterson Laboratory Services, P.A.) - Malignant mixed mullerian tumor

Maryland (University of Maryland) - Malignant mixed mullerian tumor/carcinosarcoma

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

Michigan (Henry Ford Health System) - Carcinosarcoma

Michigan (William Beaumont Hospital) - Malignant mullerian mixed tumor

Minnesota (Fairview Ridges Hospital) - Carcinosarcoma with rhabdomyosarcomatous differentiation

Mississippi (University of Mississippi Medical Center) - Malignant mixed mullerian tumor with rhabdomyosarcomatous features
Nebraska (Creighton University Medical Center) - Adenosarcoma
New York (SUNY Downstate) - Carcinosarcoma
North Carolina (ECP) - Malignant mixed mullerian tumor
Ohio (Cleveland Clinic) - Carcinosarcoma
Ohio (Summa Health System Residents) - Mixed malignant mullerian tumor
Pennsylvania (Drexel University College of Medicine) - Adenosarcoma
Pennsylvania (Lehigh Valley Hospital) - Malignant mixed mullerian tumor
Puerto Rico (University of Puerto Rico) - Carcinosarcoma
Texas, Crystal Beach - Carcinosarcoma
Texas, Lubbock - Malignant mixed mullerian tumor
Washington (Seattle VAMC) - Carcinosarcoma
Wisconsin (Medical Assessment and Consultation, S.C.) - Carcinosarcoma (malignant mixed mullerian neoplasm)
Wisconsin (Meriter Hospital) - Malignant mixed mullerian tumor (2)
Australia (Royal Hobart Hospital) - Carcinosarcoma (malignant mixed mullerian tumor)
Brazil (Pathologia FCMS-JF) - Carcinosarcoma (malignant mullerian mixed tumor)
Canada (Pasqua Hospital) - Carcinosarcoma
Ireland (Bon Secours Hospital) - Carcinosarcoma
Ireland (Kerry General Hospital) - Malignant mixed mullerian tumor
Japan (Asahi General Hospital) - Adenosarcoma (1); Carcinosarcoma (1)
Japan (Setagaya-Ku) - Endometrioid carcinoma
Japan (Wakayama Medical University) - Carcinosarcoma
Oman (Khoula Hospital) - Carcinosarcoma (malignant mixed mullerian tumor)
Spain (Hospital Xeral) - Carcinosarcoma (mullerian mixed tumor)

Case 10 - Diagnosis:

Malignant mixed mullerian tumor (carcinosarcoma), uterus

Case 10 - References:

Malignant mixed Mullerian tumor of the uterus: diagnosis of a case by fine-needle aspiration cytology and review of literature.

Diagn Cytopathol 2012; Jul;40(7): p653-7.

Banik T; Halder D, et al.

Determining predominating histologic component in malignant mixed mullerian tumors: is it worth it?

Int J Gynecol Cancer 2008; Jul-Aug;18(4): p809-12.

Ozguroglu M; Bilici A, et al.

Malignant mixed mullerian tumor of primary peritoneal origin.

Ann Diagn Pathol 2011; Aug;15(4): p273-7.

Kanis M; Kesterson JP, 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.

Malignant mixed mullerian tumor of the vagina: case report with review of the literature, immunohistochemical study, and evaluation for human papilloma virus.

Hum Pathol 2007; Aug;38(8): p1282-8.

Sebenik M; Yan Z, et al.