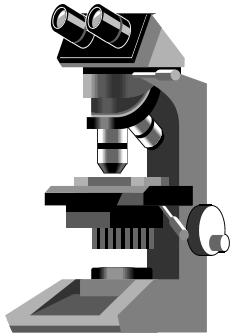


CALIFORNIA
TUMOR TISSUE REGISTRY



GYNECOLOGIC PATHOLOGY

Minutes – Subscription A

May 1999

SUGGESTED READING (General Topics from Recent Literature):

- Diagnostic Value of Cervical Lymph Node Biopsy. A Pathological Study of 596 Cases. Amr SS, Kamal MF, and Tarawneh MS. *J of Surg Oncol* 1989; 42(2):239-243.
- Adenoid Cystic and Adenoid Basal Carcinoma of the Uterine Cervix. Comparative Morphologic, Mucin, and Immunohistochemical Profile of Two Rare Neoplasms of Putative “Reserve Cell” Origin. Grayson W. *Am J Surg Pathol* 1999; 23(4):448-458.
- Prognostic Knowledge. Interest and Methods. Chastang C, Auguier A and Gremy F. *Bull Cancer* 1980; 67(4):430-436.

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

INLAND (Riverside/San Bernardino) - Juvenile granulosa cell tumor
VENTURA (Unilab) - Juvenile granulosa cell tumor (2)
BAKERSFIELD (San Joaquin Community Hospital) - Endodermal sinus tumor
BAKERSFIELD (Central Valley Study Group) - Granulosa cell tumor
LAKEWOOD - Malignant large cell lymphoma
SAN DIEGO (Naval Medical Center) - Small cell carcinoma, hypercalcemic type (11)
BAY AREA - Granulosa cell tumor (3)
SANTA PAULA - Granulosa cell tumor
LONG BEACH - Granulosa-cell tumor (4); High-grade lymphoma (1)
SANTA ROSA - Large cell lymphoma (1); Malignant; rule out large cell lymphoma, rule out stromal tumor of ovary (need to perform immuno) (1); Diffuse large cell lymphoma (1)
NEVADA (Reno) - Small cell carcinoma, hypercalcemic type (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Juvenile granulosa cell tumor
NEBRASKA (Omaha) - Small cell carcinoma, hypercalcemic type
LOUISIANA (Shreveport) - Small cell carcinoma
INDIANA (Goshen) - Endometrial stromal sarcoma
ILLINOIS (Meriter Hlth Services) - Malignant sex cord-stromal tumor, favor malignant granulosa cell tumor
ILLINOIS (Hillsdale) - Juvenile granulosa cell tumor
MICHIGAN (Foote Hospital) - Juvenile granulosa cell tumor
MICHIGAN (St. Joseph Mercy Hospital) - Small cell carcinoma (5)
MICHIGAN (Oakwood Hospital) - Juvenile granulosa cell tumor
FLORIDA (Tallahassee) - Small cell carcinoma
NORTH CAROLINA (WNC Pathology Group) - Granulosa cell tumor vs. small cell carcinoma – need special stains (1); Undifferentiated tumor, favor small cell carcinoma, need immunohistochemical stains (1); Small cell carcinoma vs. juvenile granulosa cell tumor (favor former) (1)
MARYLAND (Sinai Hospital) - Ovarian small cell carcinoma – extra pulmonary type
MARYLAND (National Naval Medical Center) - Granulosa cell tumor (9); Small cell carcinoma (3)
MARYLAND (Woodbine) - Small cell carcinoma (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Juvenile granulosa cell tumor/diffuse large cell lymphoma/undifferentiated carcinoma/small cell carcinoma
PENNSYLVANIA (Lehigh Valley Hospital) - Undifferentiated small cell malignancy (1); Granulosa cell tumor, ovary (1); Juvenile granulosa cell tumor (1); Small round cell malignancy (1)
NEW YORK (Impath) - Juvenile granulosa cell tumor of ovary
NEW YORK (Northport) - Small cell carcinoma (hypercalcemic type)
NEW YORK (Sunny Brook Pathology Residents) - Small cell carcinoma (hypercalcemic type) (10)
NEW YORK (Long Island Jewish Medical Center) - Small cell carcinoma
NEW JERSEY (Overlook Hospital) - Granulosa cell tumor (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Anaplastic carcinoma
MASSACHUSETTS (Berkshire Medical Center) - Small cell carcinoma of ovary (3); vs. malignant granulosa cell tumor (4)
JAPAN (Kurashiki Medical School) - Small cell carcinoma, hypercalcemic type (3)
AUSTRALIA (Sydney) - Small cell carcinoma, hypercalcemic type
JAPAN (Shimada City) - Granulosa cell tumor, right ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Small cell carcinoma, ovary, hypercalcemic type

DIAGNOSIS:**SMALL CELL CARCINOMA OF OVARY, HYPERCALCEMIC TYPE**

T87000, M80413

REFERENCES:

Eichhorn JH, Bell DA, Young RH, et al. DNA Content and Proliferative Activity in Ovarian Small Cell Carcinoma of the Hypercalcemic Type. Implications for Diagnosis, Prognosis, and Histogenesis. *Am J Clin Pathol* 1992 98(6): 579-586.
 Matias-Guiu X, Prat J, Young RH, Capen CC, et al. Human Parathyroid Hormone—Related Protein in Ovarian Small Cell Carcinoma. An Immunohistochemical Study. *Cancer* 1994; 73(7):1878-1881.
 Ulbright TM, Roth LM, Lehman FB, et al. Poorly Differentiated (Small Cell) Carcinoma of the Ovary in Young Women. Evidence Supporting Germ Cell Origin. *Hum Pathol* 1987; 18(2):175-184.

INLAND (Riverside/San Bernardino) - Dysgerminoma
VENTURA (Unilab) - Dysgerminoma (2)
BAKERSFIELD (San Joaquin Community Hospital) - Dysgerminoma
BAKERSFIELD (Central Valley Study Group) - Clear cell adenocarcinoma
LAKEWOOD - Dysgerminoma
SAN DIEGO (Naval Medical Center) - Dysgerminoma (11)
BAY AREA - Dysgerminoma (3)
SANTA PAULA - Dysgerminoma
LONG BEACH - Dysgerminoma (5)
SANTA ROSA - Dysgerminoma
NEVADA (Reno) - Dysgerminoma (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Dysgerminoma
NEBRASKA (Omaha) - Dysgerminoma
LOUISIANA (Shreveport) - Dysgerminoma
INDIANA (Goshen) - Dysgerminoma
ILLINOIS (Meriter Hlth Services) - Dysgerminoma
ILLINOIS (Hillsdale) - Dysgerminoma
MICHIGAN (Foote Hospital) - Dysgerminoma
MICHIGAN (St. Joseph Mercy Hospital) - Dysgerminoma (5)
MICHIGAN (Oakwood Hospital) - Dysgerminoma
FLORIDA (Tallahassee) - Dysgerminoma
NORTH CAROLINA (WNC Pathology Group) - Dysgerminoma (3)
MARYLAND (Sinai Hospital) - Germinoma
MARYLAND (National Naval Medical Center) - Dysgerminoma
MARYLAND (Woodbine) - Dysgerminoma (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Dysgerminoma
PENNSYLVANIA (Lehigh Valley Hospital) - Dysgerminoma (3); Clear cell carcinoma, ovary (mesonephric cancer) (1)
NEW YORK (Impath) - Dysgerminoma
NEW YORK (Northport) - Dysgerminoma
NEW YORK (Sunny Brook Pathology Residents) - Dysgerminoma
NEW YORK (Long Island Jewish Medical Center) - Dysgerminoma (10)
NEW JERSEY (Overlook Hospital) - Dysgerminoma (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Dysgerminoma
MASSACHUSETTS (Berkshire Medical Center) - Dysgerminoma (8)
JAPAN (Kurashiki Medical School) - Dysgerminoma (3)
AUSTRALIA (Sydney) - Dysgerminoma
JAPAN (Shimada City) - Dysgerminoma, right ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Dysgerminoma, ovary

DIAGNOSIS:

DYSGERMINOMA, OVARY

T87000, M90603

REFERENCES:

Lifschitz-Mercer B, Walt H, Kushir I, et al. Differentiation Potential of Ovarian Dysgerminoma. An Immunohistochemical Study of 15 Cases. *Hum Pathol* 1995; 26(1):62-66.
 Bjorkholm E, Lundell M, Gyftodimos A, et al. Dysgerminoma. The Radiumhermet Series 1929-1984. *Cancer* 1990; 65(1):38-44.
 Gordon A, Lipton D, and Woodruff JD. Dysgerminoma. A Review of 158 Cases from the Emil Novak Ovarian Tumor Registry. *Obstet Gynecol* 1981; 58(4):497-504.

INLAND (Riverside/San Bernardino) - Borderline Brenner tumor (Grade 2 transitional cell carcinoma)
VENTURA (Unilab) - Brenner tumor (2)
BAKERSFIELD (San Joaquin Community Hospital) - Malignant Brenner tumor
BAKERSFIELD (Central Valley Study Group) - Brenner tumor of borderline malignancy
LAKEWOOD - Proliferative Brenner tumor
SAN DIEGO (Naval Medical Center) - Borderline Brenner tumor (11)
BAY AREA - Proliferating Brenner tumor (3)
SANTA PAULA - Brenner tumor (low grade, malignant)
LONG BEACH - Proliferating Brenner tumor (5)
SANTA ROSA - Brenner tumor (1); Brenner tumor with atypia (mild) (1); Proliferating Brenner's tumor (1)
NEVADA (Reno) - Transitional cell carcinoma (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Proliferating Brenner tumor
NEBRASKA (Omaha) - Proliferating Brenner tumor
LOUISIANA (Shreveport) - Transitional cell carcinoma (Brenner)
INDIANA (Goshen) - Brenner tumor
ILLINOIS (Meriter Hlth Services) - Brenner tumor of borderlie malignancy. No definitive invasion identified
ILLINOIS (Hillsdale) - Proliferating Brenner's tumor
MICHIGAN (Foote Hospital) - Proliferating Brenner tumor
MICHIGAN (St. Joseph Mercy Hospital) - Brenner tumor, proliferative type (2); Brenner tumor intermediate grade 2 (4);
 Transitional cell carcinoma (1)
MICHIGAN (Oakwood Hospital) - Brenner tumor at least borderline, without stromal invasion
FLORIDA (Tallahassee) - Borderline Brenner tumor/transitional cell carcinoma
NORTH CAROLINA (WNC Pathology Group) - Borderline Brenner tumor (3)
MARYLAND (Sinai Hospital) - Proliferating Brenner tumor, Brenner tumor of low malignant potential
MARYLAND (National Naval Medical Center) - Brenner tumor, borderline
MARYLAND (Woodbine) - Brenner tumor (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Proliferating Brenner tumor/transitional cell carcinoma
PENNSYLVANIA (Lehigh Valley Hospital) - Malignant Brenner tumor (1); Brenner tumor, ovary (1); Proliferative Brenner's
 tumor (1); Brenner tumor of borderline malignancy
NEW YORK (Impath) - Brenner tumor, borderline (3); Brenner, malignant (1)
NEW YORK (Northport) - Brenner tumor of low malignant potential
NEW YORK (Sunny Brook Pathology Residents) - Proliferating Brenner's tumor (10)
NEW YORK (Long Island Jewish Medical Center) - Brenner tumor (proliferating/borderline)
NEW JERSEY (Overlook Hospital) - Proliferating Brenner tumor (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Malignant Brenner tumor
MASSACHUSETTS (Berkshire Medical Center) - Proliferating Brenner's tumor (8)
JAPAN (Kurashiki Medical School) - Proliferating Brenner tumor (2); Brenner tumor (1)
AUSTRALIA (Sydney) - Proliferating Brenner tumor
JAPAN (Shimada City) - Brenner's tumor, left ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Proliferating Brenner tumor, Brenner tumor of low malignant potential
 (intermediate Brenner tumor), ovary (6)

DIAGNOSIS:

BRENNER TUMOR OF LOW MALIGNANT POTENTIAL, OVARY
 T87000,M90000

CONSULTATION: Drs. Kempson and Hendrickson, Stanford University. "Brenner tumor of low malignant potential."

REFERENCES:

Silverberg SG. Brenner Tumor of the Ovary. A Clinicopathologic Study of 60 Tumors in 54 Women. *Cancer* 1971; 28(3):558-596.
 Roth LM, Gersell DJ and Ulbright TM. Ovarian Brenner Tumors and Transitional Cell Carcinoma. Recent Developments. *Int J Gynecol Pathol* 1993; 12(2):128-133.
 Hallgrimson J and Scully RE. Borderline and Malignant Brenner Tumors of the Ovary. A Report of 15 Cases. *Acta Pathol Microbiol Scand (A) Suppl* 80 1972; (233):56-66.

INLAND (Riverside/San Bernardino) - Struma ovarii
VENTURA (Unilab) - Struma ovarii (2)
BAKERSFIELD (San Joaquin Community Hospital) - Struma ovarii
BAKERSFIELD (Central Valley Study Group) - Struma ovarii
LAKEWOOD - Struma ovarii in mature teratoma
SAN DIEGO (Naval Medical Center) - Struma ovarii (11)
BAY AREA - Struma ovarii within mature cystic teratoma (3)
SANTA PAULA - Mature teratoma with thyroid tissue
LONG BEACH - Struma ovarii in mature teratoma (5)
SANTA ROSA - Cystic teratoma with struma ovarii (2); Benign cystic teratoma with struma ovarii (1);
NEVADA (Reno) - Mature cystic teratoma (struma ovarii) (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Mature cystic teratoma
NEBRASKA (Omaha) - Mature teratoma with struma ovarii
LOUISIANA (Shreveport) - Teratoma with struma ovarii (? significance of some Orphan Annie nuclei)
INDIANA (Goshen) - Struma ovarii
ILLINOIS (Meriter Hlth Services) - Struma ovarii
ILLINOIS (Hillsdale) - Mature cystic teratoma with struma ovarii
MICHIGAN (Foote Hospital) - Struma ovarii
MICHIGAN (St. Joseph Mercy Hospital) - Struma ovarii (5)
MICHIGAN (Oakwood Hospital) - Mature cystic teratoma
FLORIDA (Tallahassee) - Struma ovarii with mature teratoma
NORTH CAROLINA (WNC Pathology Group) - Struma ovarii (3)
MARYLAND (Sinai Hospital) - Benign cystic teratoma with thyroid tissue
MARYLAND (National Naval Medical Center) - Struma ovarii
MARYLAND (Woodbine) - Struma ovarii (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Struma ovarii
PENNSYLVANIA (Lehigh Valley Hospital) - Struma ovarii (3); Mature cystic teratoma (1)
NEW YORK (Impath) - Struma ovarii in mature cystic teratoma
NEW YORK (Northport) - Mature cystic teratoma with struma ovarii
NEW YORK (Sunny Brook Pathology Residents) - Mature teratoma with struma ovarii
NEW YORK (Long Island Jewish Medical Center) - Struma ovarii
NEW JERSEY (Overlook Hospital) - Struma ovarii (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Benign teratoma
MASSACHUSETTS (Berkshire Medical Center) - Mature teratoma (8)
JAPAN (Kurashiki Medical School) - Struma ovarii (3)
AUSTRALIA (Sydney) - Struma ovarii
JAPAN (Shimada City) - Struma ovarii, left ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Mature cystic teratoma with struma ovarii

DIAGNOSIS:

MATURE CYSTIC TERATOMA WITH STRUMA OVARII

T87000, M90800

REFERENCES:

- Szyfelbein WM, Young RH and Scully RE. Struma Ovarii Simulating Ovarian Tumors of Other Types. A Report of 30 Cases. *Am J Surg Pathol* 1995; 19(1):21-29.
 Szyfelbein Wm, Young RH and Scully RE. Cystic Struma Ovarii. A Frequently Unrecognized Tumor. A Report of 20 Cases. *Am J Surg Pathol* 1994; 18(8):785-788.
 Ro JY, Sohin AA, el-Naggar AK, Ordonez NG, et al. Intraluminal Crystalloids in Struma Ovarii. Immunohistochemical, DNA Flow, Cytometric and Ultrastructural Study. *Arch Pathol Lab Med* 1991; 115(2):145-149.

INLAND (Riverside/San Bernardino) - Neuroectodermal tumor with focal anaplasia
VENTURA (Unilab) - Immature teratoma (2)
BAKERSFIELD (San Joaquin Community Hospital) - Immature teratoma with neural component
BAKERSFIELD (Central Valley Study Group) - Immature teratoma
LAKEWOOD - Immature teratoma
SAN DIEGO (Naval Medical Center) - Ganglioneuroma/maturing neuroblastoma (1); mature teratoma (1); immature teratoma (9)
BAY AREA - Cystic teratoma with immature neural elements (neuroblasts)—cannot r/o carcinoid (3)
SANTA PAULA - Immature teratoma (malignant)
LONG BEACH - Immature teratoma (5)
SANTA ROSA - Ganglioneuroblastoma in cystic teratoma (1); Ganglioneuroblastic differentiation arising in association with mature teratoma (by description/to be confirmed) (1); Cystic teratoma with ganglioneuroblastoma, imperfect type (1)
NEVADA (Reno) - Immature teratoma (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Immature teratoma, grade I (neural component)
NEBRASKA (Omaha) - Immature teratoma
LOUISIANA (Shreveport) - Teratoma with neuronal elements
INDIANA (Goshen) - Teratoma
ILLINOIS (Meriter Hlth Services) - Immature teratoma, grade 3
ILLINOIS (Hillsdale) - Teratoma with carcinoid tumor
MICHIGAN (Foote Hospital) - High grade immature teratoma
MICHIGAN (St. Joseph Mercy Hospital) - Immature teratoma, high grade III (5)
MICHIGAN (Oakwood Hospital) - Immature teratoma, grade 3
FLORIDA (Tallahassee) - Immature teratoma
NORTH CAROLINA (WNC Pathology Group) - Ganglioneuroblastoma arising in a teratoma (2); Dermoid cyst with ganglioneuroblastoma (1)
MARYLAND (Sinai Hospital) - Malignant teratoma with immature glial elements (grade 3)
MARYLAND (National Naval Medical Center) - Immature teratoma
MARYLAND (Woodbine) - Diffuse B-cell lymphoma (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Immature teratoma with differentiating neuroblastoma (1)
PENNSYLVANIA (Lehigh Valley Hospital) - Immature teratoma (1); Dysgerminoma, ovary (1); Mature cystic teratoma (1); Immature teratoma (1)
NEW YORK (Impath) - Ganglioneuroblastoma in immature teratoma
NEW YORK (Northport) - Immature teratoma
NEW YORK (Sunny Brook Pathology Residents) - Neuroblastoma arising probably in a dermoid cyst
NEW YORK (Long Island Jewish Medical Center) - Immature teratoma (grade III)
NEW JERSEY (Overlook Hospital) - Immature teratoma, low grade (2); Immature teratoma, grade 3 (2)
CONNECTICUT (University Connecticut Hlth Ctr) - Immature teratoma with ganglioneuroblastoma
MASSACHUSETTS (Berkshire Medical Center) - Immature teratoma, grade III (8)
JAPAN (Kurashiki Medical School) - Immature teratoma (3)
AUSTRALIA (Sydney) - Grade 3 immature teratoma with predominant neuroblastic elements
JAPAN (Shimada City) - Immature teratoma, left ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Immature teratoma with areas resembling neuroblastoma, ovary

DIAGNOSIS:**IMMATURE TERATOMA, OVARY**

T87000, M90803

CONSULTATION: Rebecca Baergen, M.D., University of California at San Diego Medical Center. "Immature teratoma, grade III/III."

REFERENCES:

- Caruso PA, Marsh MR, Minkowitz S, et al. An Intense Clinico-Pathologic Study of 305 Teratomas of the Ovary. *Cancer* 1971; 27(2):343-348.
- Robboy SJ and Scully RE. Ovarian Teratoma with Glial Implants on the Peritoneum. An Analysis of 12 Cases. *Hum Pathol* 1970; 1(4):643-653.
- O'Connor DM and Norris HJ. The Influence of Grade on the Outcome of Stage I Ovarian Immature (Malignant) Teratomas and the Reproducibility of Grading. *Int J Gynecol Pathol* 1994; 13(4):283-289.

INLAND (Riverside/San Bernardino) - Strumal carcinoid
VENTURA (Unilab) - Strumal carcinoid (2)
BAKERSFIELD (San Joaquin Community Hospital) - Strumal carcinoid
BAKERSFIELD (Central Valley Study Group) - Strumal carcinoid
LAKEWOOD - Strumal carcinoid
SAN DIEGO (Naval Medical Center) - Strumal carcinoid (9)
BAY AREA - Composite carcinoid tumor with strumal elements (3)
SANTA PAULA - Strumal carcinoid
LONG BEACH - Strumal carcinoid (5)
SANTA ROSA - Strumal ovarii, rule out papillary carcinoma (2) Rule out papillary carcinoma arising in struma ovarii. More sections needed (1)
NEVADA (Reno) - Strumal carcinoid (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Strumal ovarii
NEBRASKA (Omaha) - Strumal carcinoid
LOUISIANA (Shreveport) - Strumal carcinoid
INDIANA (Goshen) - Struma ovarii and carcinoid (strumal carcinoid)
ILLINOIS (Meriter Hlth Services) - Strumal carcinoid
ILLINOIS (Hillsdale) - Strumal carcinoid
MICHIGAN (Foote Hospital) - Strumal carcinoid
MICHIGAN (St. Joseph Mercy Hospital) - Strumal carcinoid (5)
MICHIGAN (Oakwood Hospital) - Strumal carcinoid tumor
FLORIDA (Tallahassee) - Strumal carcinoid
NORTH CAROLINA (WNC Pathology Group) - Strumal carcinoid (3)
MARYLAND (Sinai Hospital) - Strumal carcinoid
MARYLAND (National Naval Medical Center) - Strumal carcinoid
MARYLAND (Woodbine) - Strumal carcinoid (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Strumal carcinoid
PENNSYLVANIA (Lehigh Valley Hospital) - Teratoma with struma ovarii and carcinoid (1); Mature cystic teratoma containing few thyroid follicles with predominant well-differentiated papillary adenocarcinoma of thyroid (1); Strumal carcinoid (2)
NEW YORK (Impath) - Strumal carcinoid tumor
NEW YORK (Northport) - Strumal carcinoid tumor
NEW YORK (Sunny Brook Pathology Residents) - Strumal carcinoid (10)
NEW YORK (Long Island Jewish Medical Center) - Strumal carcinoid
NEW JERSEY (Overlook Hospital) - Strumal carcinoid (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Strumal carcinoid
MASSACHUSETTS (Berkshire Medical Center) - Strumal carcinoid (8)
JAPAN (Kurashiki Medical School) - Strumal ovarii (3)
AUSTRALIA (Sydney) - Strumal carcinoid
JAPAN (Shimada City) - Strumal carcinoid tumor, left ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Strumal carcinoid, ovary

DIAGNOSIS:**STRUMAL CARCINOID, OVARY**

T87000, M90911

REFERENCES:

Robby SJ, Norris HJ, and Scully RE. Insular Carcinoid Primary in the Ovary. A Clinicopathologic Analysis of 48 Cases. *Cancer* 1975; 36(2):404-408.
 Snyder RR and Tavassoli FA. Ovarian Strumal Carcinoid. Immunohistochemical, Ultrastructural and Clinicopathologic Observations. *Int J Gynecol Pathol* 1986; 5(3):187-201.
 Serrani FI and Robby SJ. Ultrastructure of Primary and Metastatic Ovarian Carcinoids. Analysis of 11 Cases. *Cancer* 1975; 36(1):157-160.

INLAND (Riverside/San Bernardino) - Adenomatoid tumor
VENTURA (Unilab) - Adenomatoid tumor (2)
BAKERSFIELD (San Joaquin Community Hospital) - Adenomatoid mesothelioma
BAKERSFIELD (Central Valley Study Group) - Lipoleiomyoma
LAKEWOOD - Adenomatoid tumor
SAN DIEGO (Naval Medical Center) - Adenomatoid tumor (11)
BAY AREA - Adenomatoid tumor (2); Adenomatoid mesothelial tumor of uterus (1)
SANTA PAULA - Adenomatoid tumor
LONG BEACH - Adenomatoid tumor (5)
SANTA ROSA - Adenomatoid tumor (3)
NEVADA (Reno) - Adenomatoid tumor (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Adenomatoid tumor
NEBRASKA (Omaha) - Adenomatoid tumor
LOUISIANA (Shreveport) - Adenomatoid tumor
INDIANA (Goshen) - Endometrial stromal sarcoma (endolymphatic stromal myosis)
ILLINOIS (Meriter Hlth Services) - Adenomatoid tumor, myometrium
ILLINOIS (Hillsdale) - Adenomatoid tumor
MICHIGAN (Foote Hospital) - Adenomatoid tumor
MICHIGAN (St. Joseph Mercy Hospital) - Adenomatoid tumor (5)
MICHIGAN (Oakwood Hospital) - Adenomatoid tumor
FLORIDA (Tallahassee) - Adenomatoid tumor
NORTH CAROLINA (WNC Pathology Group) - Adenomatoid tumor (3)
MARYLAND (Sinai Hospital) - Adenomatoid tumor
MARYLAND (National Naval Medical Center) - Adenomatoid tumor
MARYLAND (Woodbine) - Adenomatoid tumor (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Adenomatoid tumor
PENNSYLVANIA (Lehigh Valley Hospital) - Mesothelioma (1); Adenomatoid mesothelioma (previously-lymphangiocystic fibroma, lymphangioma, adenomatoid tumor) (1); Adenomatoid mesothelioma (1); Adenomatoid tumor (1)
NEW YORK (Impath) - Adenomatoid tumor
NEW YORK (Northport) - Adenomatoid tumor
NEW YORK (Suny Brook Pathology Residents) - Adenomatoid tumor
NEW YORK (Long Island Jewish Medical Center) - Adenomatoid tumor
NEW JERSEY (Overlook Hospital) - Adenomatoid tumor (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Adenomatoid tumor
MASSACHUSETTS (Berkshire Medical Center) - Adenomatoid tumor (8)
JAPAN (Kurashiki Medical School) - Adenomatoid tumor (2); Lymphangioma (1)
AUSTRALIA (Sydney) - Adenomatoid tumour
JAPAN (Shimada City) - Adenomatoid tumor, uterus
SAUDI ARABIA (King Khalid Univ Hospital) - Adenomatoid tumor , uterus

DIAGNOSIS:

ADENOMATOID TUMOR, UTERUS

T82000, M90540

REFERENCES:

Tiltman AJ. Adenomatoid Tumors of the Uterus. *Histopathol* 1980; 4 (4):437-443.
Stephenson TJ and Mill PM. Adenomatoid Tumours. An Immunohistochemical and Ultrastructural Appraisal of Their Histogenesis. *J Pathol* 1986; 148(4):327-335.
Youngs LA and Taylor HB. Adenomatoid Tumors of the Uterus and Fallopian Tube. *Am J Clin Pathol* 1967; 48(6):537-545.

INLAND (Riverside/San Bernardino) - Minimal deviation adenocarcinoma of cervix
VENTURA (Unilab) - Adenomyoma (2)
BAKERSFIELD (San Joaquin Community Hospital) - Cervical polyp, mixed endocervical – endometrial type
BAKERSFIELD (Central Valley Study Group) - Papillary adenofibroma
LAKEWOOD - Adenocarcinoma in-situ of cervix
SAN DIEGO (Naval Medical Center) - Atypical polypoid adenomyoma (11)
BAY AREA - Minimal deviation adenocarcinoma, endocervix (3)
SANTA PAULA - Adenomatous hyperplasia (benign) of mesonephric duct
LONG BEACH - Adenocarcinoma in-situ of cervix (5)
SANTA ROSA - Adenomatous polyp (1); Polyp with ciliated gland metaplasia and Gartner's duct remnants (1); Adenomatous polyp/benign mixed Mullerian tumor (1)
NEVADA (Reno) - Adenomyoma (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Polyp, fibroadenoma
NEBRASKA (Omaha) - Mesonephric hyperplasia
LOUISIANA (Shreveport) - Chronic cystic ? with minimal deviation adenocarcinoma
INDIANA (Goshen) - Endocervical polyp/Tunnel clusters?/Mesonephric hyperplasia?
ILLINOIS (Meriter Hlth Services) - Adenomyoma with focal atypia of glandular epithelium
ILLINOIS (Hillsdale) - Polypoid adenomyoma
MICHIGAN (Foote Hospital) - Atypical polypoid adenomyoma
MICHIGAN (St. Joseph Mercy Hospital) - Adenomyoma (5)
MICHIGAN (Oakwood Hospital) - Minimal deviation adenocarcinoma
FLORIDA (Tallahassee) - Minimal deviation adenocarcinoma
NORTH CAROLINA (WNC Pathology Group) - Adenomyomatous polyp (2); endocervical polyp (adenomyoma)
MARYLAND (Sinai Hospital) - Atypical polypoid adenomyoma
MARYLAND (National Naval Medical Center) - Adenomyoma (10); Atypical polypoid adenomyoma (2)
MARYLAND (Woodbine) - Endocervical polyp (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Tunnel cluster
PENNSYLVANIA (Lehigh Valley Hospital) - Cervical endometriosis (1); Adenomyofibroma of uterine cervix (1); Benign adenomyoma (1); Minimal deviation adenocarcinoma (1)
NEW YORK (Impath) - Minimal deviation adenocarcinoma of cervix
NEW YORK (Northport) - Minimal deviation adenocarcinoma
NEW YORK (Sunny Brook Pathology Residents) - Adenosarcoma
NEW YORK (Long Island Jewish Medical Center) - Minimal deviation adenocarcinoma
NEW JERSEY (Overlook Hospital) - Adenomyomatous poly (3); Microcystic endocervical gland hyperplasia with serous metaplasia (1)
CONNECTICUT (University Connecticut Hlth Ctr) - Adenofibroma
MASSACHUSETTS (Berkshire Medical Center) - Adenoma malignant (4); vs adenomyoma (4); vs. tunnel clusters (1)
JAPAN (Kurashiki Medical School) - Endocervical adenomyoma (1); Adenoma malignum (1); Adenocarcinoma, well-differentiated (1)
AUSTRALIA (Sydney) - Cervical polyp with mesonephric hyperplasia/adenoma (4); Cervical polyp with mesonephric carcinoma (4)
JAPAN (Shimada City) - Minimal deviation adenocarcinoma, cervix
SAUDI ARABIA (King Khalid Univ Hospital) - Adenoma malignum of endometroid type (4); Mesonephric carcinoma arising in a background of mesonephric hyperplasia (2)

DIAGNOSIS:**ATYPICAL POLYPOID ADENOMYOMA, UTERUS**

T82000, M89320

REFERENCES:

Fukunaga M, Endo Y, Ushagome S and Ishikwa E. Atypical Polypoid Adenomyomas of the Uterus. *Histopathol* 1995; 27(1):35-42.
 Duggan MA, Rowlands C, Kneafsey PD, et al. Uterine Atypical Polypoid Adenomyoma and Ovarian Endometroid Carcinoma. Metastatic Disease or Dual Primaries? *Int J Gynecol Pathol* 1995; 14(1):81-86.
 Corly D, Rowe J, Curtis MT, et al. Postmenopausal Bleeding From Unusual Endometrial Polyps in Women on Chronic Tamoxifen Therapy. *Obstet Gynecol* 1992; 79(1):111-116.

INLAND (Riverside/San Bernardino) - Serous papillary cystic tumor of borderline malignancy
VENTURA (Unilab) - Serous papillary cystic tumor of borderline malignancy (2)
BAKERSFIELD (San Joaquin Community Hospital) - Serous cystadenocarcinoma of low malignant potential
BAKERSFIELD (Central Valley Study Group) - Serous papillary cystic tumor of borderline malignancy
LAKEWOOD - Serous cystadenocarcinoma of (low malignant potential)
SAN DIEGO (Naval Medical Center) - Serous cystadenoma, low malignant potential (11)
BAY AREA - Papillary serous cystic tumor, borderline (3)
SANTA PAULA - Papillary serous cystadenoma
LONG BEACH - Papillary cyst adenocarcinoma of low malignant potential (5)
SANTA ROSA - Borderline serous tumor (2); Papillary serous cystadenoma, borderline
NEVADA (Reno) - Serous tumor of borderline malignancy (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Papillary serous tumor of low malignant potential
NEBRASKA (Omaha) - Serous papillary neoplasm of low malignant potential
LOUISIANA (Shreveport) - Serous cystadenocarcinoma (LMP)
INDIANA (Goshen) - Serous carcinoma of low malignant potential
ILLINOIS (Meriter Hlth Services) - Papillary serous cystadenoma of low malignant potential
ILLINOIS (Hillsdale) - Papillary serous tumor of low malignant potential
MICHIGAN (Foote Hospital) - Serous cystadenoma of low malignant potential
MICHIGAN (St. Joseph Mercy Hospital) - Borderline serous tumor(s)
MICHIGAN (Oakwood Hospital) - Serous papillary cystic tumor, of borderline malignancy
FLORIDA (Tallahassee) - Serous tumor of borderline malignancy
NORTH CAROLINA (WNC Pathology Group) - Serous cystadenoma, low malignant potential—low end of spectrum (1); Serous cystadenoma of low malignant potential (1); Papillary serous tumor of borderline malignancy (1)
MARYLAND (Sinai Hospital) - Ovarian serous tumor of low malignant potential
MARYLAND (National Naval Medical Center) - Serous tumor, low malignant potential
MARYLAND (Woodbine) - Serous papillary cystadenoma of borderline malignancy (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Borderline serous tumor of ovary
PENNSYLVANIA (Lehigh Valley Hospital) - Borderline papillary cystadenoma (low malignant potential) (1); Serous papillary carcinoma of low malignant potential (borderline malignancy) (1); Serous papillary cystadenoma of low malignancy potential (1); Papillary serous tumor of borderline malignancy (1)
NEW YORK (Impath) - Serous cystic borderline tumor of ovary
NEW YORK (Northport) - Serous papillary tumor of borderline malignancy
NEW YORK (Sunny Brook Pathology Residents) - Serous borderline tumor
NEW YORK (Long Island Jewish Medical Center) - Borderline papillary serous tumor
NEW JERSEY (Overlook Hospital) - Borderline serous ovarian tumor (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Borderline papillary serous cystadenoma
MASSACHUSETTS (Berkshire Medical Center) - Papillary serous tumor, borderline (6); vs papillary serous adenocarcinoma (2)
JAPAN (Kurashiki Medical School) - Serous tumor of low-malignant potential (3)
AUSTRALIA (Sydney) - Proliferating (borderline) serous tumor
JAPAN (Shimada City) - Serous papillary cystic tumor of borderline malignancy, right ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Papillary serous cystic tumor of borderline malignancy, ovary

DIAGNOSIS:

**PAPILLARY SEROUS CYSTADENOMA OF LOW MALIGNANT POTENTIAL (“BORDERLINE”),
OVARY**

T87000, M84601

REFERENCES:

Czernobilsky B, Bornstein R, and Lancet M. Cystadenofibroma of the Ovary. A Clinicopathologic Study of 34 Cases and Comparison with Serous Cystadenoma. *Cancer* 1974; 34(6):1971-1981.
 Hytioglou P, Harpaz N, Heller DS, et al. Differential Diagnosis of Borderline and Invasive Serous Cystadenocarcinomas of the Ovary by Computerized Interactive Morphometric Analysis of Nuclear Features. *Cancer* 1992; 69(4):988-992.
 Katzenstein AL, Mazus MT, Morgan TE, and Kao MS. Proliferative Serous Tumors of the Ovary. Histologic Features and Prognosis. *Am J Surg Pathol* 1978; 2(4):339-355.

INLAND (Riverside/San Bernardino) - Krukenberg tumor
VENTURA (Unilab) - Krukenberg tumor (2)
BAKERSFIELD (San Joaquin Community Hospital) - Krukenberg tumor
BAKERSFIELD (Central Valley Study Group) - Angiosarcoma
LAKEWOOD - Metastatic mucinous adenocarcinoma (Krukenberg tumor)
SAN DIEGO (Naval Medical Center) - Krukenberg tumor (11)
BAY AREA - Krukenberg tumor (3); (r/o sclerosing stromal tumor)
SANTA PAULA - Krukenberg tumor
LONG BEACH - Metastatic poorly differentiated mucinous adenocarcinoma (Krukenberg) (5)
SANTA ROSA - Krukenberg tumor (2); Metastatic carcinoma ("Krukenberg")
NEVADA (Reno) - Krukenberg tumor (signet ring adenocarcinoma) (2)
TEXAS (Texas Tech Medical Hlth Ctr) - Krukenberg's tumor
NEBRASKA (Omaha) - Metastatic adenocarcinoma (Krukenberg tumor)
LOUISIANA (Shreveport) - Metastatic adenocarcinoma (Krukenberg)
INDIANA (Goshen) - Adenocarcinoma, poorly differentiated
ILLINOIS (Meriter Hlth Services) - Signet ring cell carcinoma involving right ovary—consider lobular ? carcinoma metastatic to ovary/less likely stomach 1°
ILLINOIS (Hillsdale) - Adenocarcinoma with signet ring and sarcomatoid features
MICHIGAN (Foote Hospital) - Krukenberg tumor, metastatic adenocarcinoma
MICHIGAN (St. Joseph Mercy Hospital) - Krukenberg tumor (metastatic signet ring adenocarcinoma) (5)
MICHIGAN (Oakwood Hospital) - Metastatic signet ring carcinoma
FLORIDA (Tallahassee) - Signet ring cell adenocarcinoma
NORTH CAROLINA (WNC Pathology Group) - Krukenberg tumor (1); Metastatic signet ring cell adenocarcinoma (1); Metastatic adenocarcinoma (signet-ring Krukenberg tumor) (1)
MARYLAND (Sinai Hospital) - Krukenberg tumor (metastatic adenocarcinoma)
MARYLAND (National Naval Medical Center) - Krukenberg tumor
MARYLAND (Woodbine) - Krukenberg tumor (2)
PENNSYLVANIA (Conemaugh Memorial Hospital) - Signet ring carcinoma (Krukenberg tumor)
PENNSYLVANIA (Lehigh Valley Hospital) - Signet ring carcinoma, cannot rule out primary vs. metastatic (1); Sclerosing stromal tumor, ovary (1); Signet ring carcinoma favor metastatic (1); Krukenberg tumor (1)
NEW YORK (Impath) - Krukenberg tumor of ovary
NEW YORK (Northport) - Metastatic signet ring cell carcinoma
NEW YORK (Sunny Brook Pathology Residents) - Metastatic signet ring cell carcinoma
NEW YORK (Long Island Jewish Medical Center) - Krukenberg tumor
NEW JERSEY (Overlook Hospital) - Metastatic signet ring cell carcinoma (4)
CONNECTICUT (University Connecticut Hlth Ctr) - Signet ring adenocarcinoma (Krukenberg tumor)
MASSACHUSETTS (Berkshire Medical Center) - Krukenberg tumor (mets signet ring carcinoma) (8)
JAPAN (Kurashiki Medical School) - Krukenberg tumor (3)
AUSTRALIA (Sydney) - Metastatic signet ring cell carcinoma (Krukenberg tumor)
JAPAN (Shimada City) - Krukenberg tumor, ovary
SAUDI ARABIA (King Khalid Univ Hospital) - Krukenberg tumor, ovary

DIAGNOSIS:

METASTATIC SIGNET RING ADENOCARCINOMA, ("KRUKENBERG TUMOR"), OVARY
 T87000, M84903

REFERENCES:

Holtz F and Hart WR. Krukenberg Tumors of the Ovary. A Clinicopathologic Analysis of 27 Cases. *Cancer* 1982; 50(1):2438-2447.
 Joshi VV. Primary Krukenberg Tumor of the Ovary. Review of the Literature and Case Report. *Cancer* 1968; 22(6):1199-1207.