

18 yovm found right groin mass 8/70. Biopsy interpreted as Lympho-sarcoma. The tumor was treated with local irradiation and given chemotherapy.

Autopsy was performed and tumor metastasis were found in liver, lung, spleen, bone marrow, and lymph nodes. No tumor is present in testes.

191 ©

CASE A 62-70

DX: LYMPH NODES, BONE MARROW AND LIVER - HODGKIN'S DISEASE, LYMPHOCYTE DEPLETION (HODGKIN'S SARCOMA OF JACKSON AND PARKER)

Kaplan, H. S., et al.: Treatment of Hodgkin's disease. Med. Clin. N. Amer., 50: 1591, 1966

Keller, A. R., et al.: Correlation of histopathology with other prognostic indicators in Hodgkin's disease. Cancer, 22: 487, 1968.

Glatstein, E., et al.: The value of laparotomy and splenectomy in the staging of Hodgkin's disease. Cancer, 24: 709, 1969.

Strum, S. B., et al.: Observation of cells resembling Sternberg-Reed cells in conditions other than Hodgkin's disease. Cancer, 26: 176, 1970.

Plasmocytic reticulum cell sarcoma.
Plasma cell myeloma
Choriocarcinoma
Lipo, rhabdo & fibrosarcoma

Diagnosis:
Lymphomas: fever-weight weights - parvitis
adenopathy - liver & spleen
Lymphogram
Response to x-ray & chemotherapy
What did biopsy show?

Initial work-up:
History & physical
Lymphomas: fever-parvitis - weight weights
Blood count, reticulocytes, platelets
BUN
Creatinine
Bilirubin
BSP reactivity
Hct
SGOT & SGPT
Prothrombin time

Staging:
Skeletal survey
Chest tomography
Lymphogram
Bone marrow bx

Cap:

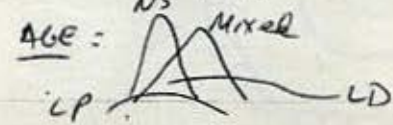
R-S cells:

Greenfield - 1878
Sternberg - 1898
Reed - 1902

"appropriate cellular & architectural environment"

can be seen in:

Ca breast, lung - melanoma - Thyroid
fibrosarcoma - Proliferative myositis
Myxoid liposarcoma - Myeloma - Nucleolar
infectious mononucleosis - Malignant lymphoma
nodular, lymph and mixed



		Anatomical I-II-III-IV	
		All stages	Stages I-II
Nodes	Rye		
LH (nod diff)	Lymph pred	89%	100%
N.S.	N.S.	70%	70%
Mixed	Mixed	36%	44%
Reticular diffuse fibr	Lymph depl	38%	

Clinical staging:

I - one anatomical region (I₁) or two contiguous anatomical regions (I₂) on same side of diaphragm 88%

II - More than two anatomical regions

20 yowm. Routine chest x-ray showed mediastinal mass. At operation large 10 by 10 by 10 cms. anterior mediastinal mass invading LL lobe of lung.

CASE S-69-9769

DX: MEDIASTINUM - MALIGNANT GERMINAL TUMOR, TYPE "ENDODERMAL SINUS TUMOR" ("YOLK SAC TUMOR")

Oberman, H. A., et al.: Malignant germinal tumors of the mediastinum. Cancer, 17:498, 1964.

Teilum, G.: Endodermal sinus tumors of the ovary and testis. Cancer, 12: 1092, 1959.

Huntington, R. W. Jr., et al: Yolk sac tumors of extragonadal origin. Cancer, 25: 1368, 1970.

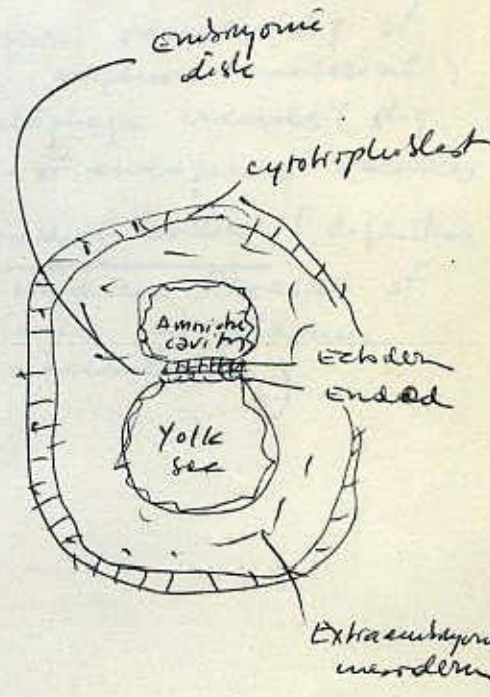
Marin-Padilla, M.: Origin, nature and significance of the "embryoids" of human teratomas. Virchows Arch. Path. Anat., 340: 105, 1965.

Diff: Teratoma
Extragonadal spermatocarcinoma
Metastatic testicular tumor
" lung tumor"
Maldomyosarcoma

questions: Anything in testis?
lymph node from supraclavicular LN
X-ray therapy? response
Follow-up - should be dead

Yolk sac tumor:

- Epithelium } cuboidal polygonal columnar
- stroma } fibrous myxoid vascular
- epithelial-stromal relationship } wall of cysts projecting papillae vessels c epith. mantle like glomerulus-like invaginations (Schiller-Duval bodies)



"choroidal" teratoma (stroma)

Observations: 8 cases
all males
all 3rd decade
All anteriorly. med. mass

7-1132

55 yowm with back pain x 1 yr. He showed 3 subcutaneous lesions in right mandibula, right iliac crest and right axilla.

CASE S-67-1132

DX: SOFT TISSUE - GRANULAR CELL TUMORS, THREE

Thoren, L.: On the nature and pathogenesis of the so-called Abrikosoff tumour. Acta Soc. Med. Upps., 55: 125, 1950.

Strong, E. W., et al: Granular cell myoblastoma. Cancer, 25: 415, 1970.

Garancis, J. C., et al: Granular cell myoblastoma. Cancer, 25: 542, 1970.

50 yowm presents with a thickened pleural x-ray image in the RLL.
Surgical procedure was performed.

CASE S-70-2542

DX: LUNG & PLEURA - FIBROXANTHOMA (INFLAMMATORY PSEUDOTUMOR, SCLEROSING HEMANGIOMA)

Liebow, A. A., et al: Sclerosing hemangioma (histiocytoma, xanthoma) of the lung. Cancer, 9: 53, 1956.

Titus, J. L., et al: Xanthomatous and inflammatory pseudotumors of the lung. Cancer, 15: 522, 1962.

Wentworth, P., et al: Xanthomatous pseudotumor of lung. A case report with electron microscopic and lipid studies. Cancer, 22: 345, 1968.

Foster, E. A., et al.: Localized mesotheliomas of the pleura. Amer. J. Clin. Path., 34: 349, 1960.

64 yowm showed a rectal mass which increased in size in the last yr. A surgical intervention was performed and anus, rectum, and sigmoid colon were removed. Starting at the anus, and extending up into the rectum is a 7.5 cms. mass with an ulcerated surface. Section XIV and XV is colon, XVI-anal areas. XVII-rectal mucosa. S

CASE S-535-69

DX: SKIN, ANUS - ANGIOSARCOMA

Stout, A. P.: Hemangioendothelioma: a tumor of blood vessels featuring vascular endothelial cells. Ann. Surg., 118: 445, 1943.

Girard, C., et al: Cutaneous angiosarcoma. Cancer, 26: 868, 1970.

76 yom with a firm left lung mass. Weakness and wt. loss were impressive. Surgical specimens came from left lung and pleura which were infiltrated by the tumor as well as the thoracic wall.

Biopsy II: Pleura , Biopsy IV: Margins of tumor in lung, Biopsy V: Margins of tumor in lung. 6

CASE S-69-333

DX: LUNG - CARCINOSARCOMA

Bergmann, M., et al: Carcinosarcoma of the lung. Cancer, 4: 919, 1951.

Stackhouse, E. M., et al: Primary mixed malignancies of lung: carcinosarcoma and blastoma. J. Thor. Cardiovasc Surg., 57: 385, 1969.

Ratzer, E. R., et al: Pleural mesotheliomas. Amer. J. Roentgenol., 99: 863, 1967.

70-3340

68 yowm who, while hammering noted pain in the right arm and then developed a rapidly swelling (few days) mass in the right anticubital fossa. At surgery the area grossly looked like a hematoma.

CASE S-70-3340

DX: SOFT TISSUE - MALIGNANT FIBROUS XANTHOMA (FIBROXANTHOSARCOMA)

O'Brien, J. E., et al: Malignant fibrous xanthomas. Cancer, 17: 1445, 1964.

Kempson, R. L., et al: Atypical fibroxanthomas of the skin. Cancer, 17: 1463, 1964.

Kempson, R. L., et al: Fibroxanthosarcomas of soft tissue. Cancer (in press)

Enzinger, F. M., et al: Liposarcoma. A study of 103 cases. Virchows Arch. Path. Anat., 335: 367, 1962.

-69-6652
-69-6401

23 yowf with a recurrent abdominal pain and ascites for 4 yrs. In 1968 she has a surgical intervention with a biopsy diagnosed as "acute peritonitis with mesothelial proliferation". She had two other interventions at Duke. The first one has the biopsy # S69-6401; material submitted was: "peritoneal lining of dome of bladder and ovary. One month later, the ovaries, tubes, and uterus were removed (S-69-6652)

CASE S-69-6401 & S-69-6652

DX: PERITONEUM - MALIGNANT MESOTHELIOMA, EPITHELIAL TYPE, DIFFUSE

Winslow, D. J., et al.: Malignant peritoneal mesotheliomas. Cancer, 13: 127, 1960.

46 yom with a stomach ulceration for 10 yrs. Partial gastrectomy was performed.

CASE S-70-1803

DX: STOMACH - SUPERFICIAL ~~SPREADING CARCINOMA~~ PEPTIC ULCER, WITH
EPITHELIAL HYPERTROPHIA AND LYMPHOID HYPERPLASIA -

Bragg, D. G., et al: Roentgenologic and pathologic aspects of superficial spreading carcinoma of the stomach. Amer. J. Roentgenol., 101: 437, 1967.

Mason, M. K.: Surface carcinoma of the stomach. Gut, 6: 185, 1965.

Perez, C. A., et al.: Benign lymphoid hyperplasia of the stomach and duodenum. Radiol., 87: 505, 1966.

9

31 year with myasthenia gravis.

CASE S-70-9138

DX: MEDIASTINUM, THYMUS - THYMOMA (with myasthenia gravis)

Lattes, R.: Thymoma and other tumors of the thymus. Cancer, 15: 1224, 1962.

Wilkins, J. E. W., et al.: Cases of thymoma at the Massachusetts General Hospital. J. Thor. Cardiovasc. Surg., 52: 322, 1966.

Fechner, R. E.: Recurrence of noninvasive thymomas. Cancer, 23: 1423, 1969.

Goldstein, G., et al.: The human thymus. Warren H. Green, St. Louis, 1969.

CASE S-70-8981

DX: LUNG - FIBROXANTHOMA (INFLAMMATORY PSEUDOTUMOR, SCLEROSING HEMANGIOMA)

References same as for Case S-70-3340

70-8981

The patient has a mitral stenosis & cardiac failure. 2 yrs. ago a cervical biopsy was diagnosed as intraepithelial carcinoma. In the middle of a recent work-up a coin type lesion was found in the right lung (interlobar fissure.)

SURGICAL PATHOLOGY SEMINAR

DUKE U. SCHOOL OF MEDICINE, DEPT. OF PATHOLOGY

NOV. 20, 1970

① CASE A-62-70 A 70-523 (NOT DISCUSSED)

DX: LYMPH NODES, BONE MARROW AND LIVER - HODGKIN'S DISEASE, LYMPHOCYTE DEPLETION (HODGKIN'S SARCOMA OF JACKSON AND PARKER)

Kaplan, H. S., et al.: Treatment of Hodgkin's disease. Med. Clin. N. Amer., 50: 1591, 1966

Keller, A. R., et al.: Correlation of histopathology with other prognostic indicators in Hodgkin's disease. Cancer, 22: 487, 1968.

Glatstein, E., et al.: The value of laparotomy and splenectomy in the staging of Hodgkin's disease. *Cancer*,

Strum, S. B., et al.: Observation of cells resembling Sternberg-Reed cells in conditions other than Hodgkin's disease. Cancer, 26: 176, 1970.

② CASE S-69-9769

DX: MEDIASTINUM - MALIGNANT GERMINAL TUMOR, TYPE "ENDODERMAL SINUS TUMOR" ("YOLK SAC TUMOR")

Oberman, H. A., et al.: Malignant germinal tumors of the mediastinum. Cancer, 17:498, 1964.

Teilum, G.: Endodermal sinus tumors of the ovary and testis. Cancer, 12: 1092, 1959.

Huntington, R. W. Jr., et al: Yolk sac tumors of extragonadal origin. Cancer, 25: 1368, 1970.

Marin-Padilla, M.: Origin, nature and significance of the "embryoids" of human teratomas. Virchows Arch. Path. Anat., 340: 105, 1965.

③ CASE S-67-1132

DX: SOFT TISSUE - GRANULAR CELL TUMORS, THREE

Thoren, L.: On the nature and pathogenesis of the so-called Abrikosoff tumour. Acta Soc. Med. Upps., 55: 125, 1950.

Strong, E. W., et al: Granular cell myoblastoma. Cancer, 25: 415, 1970.

Garancis, J. C., et al: Granular cell myoblastoma. Cancer, 25: 542, 1970.

4
CASE S-70-2542

DX: LUNG & PLEURA - FIBROXANTHOMA (INFLAMMATORY PSEUDOTUMOR, SCLEROSING HEMANGIOMA)

Liebow, A. A., et al: Sclerosing hemangioma (histiocytoma, xanthoma) of the lung. *Cancer*, 9: 53, 1956.

Titus, J. L., et al: Xanthomatous and inflammatory pseudotumors of the lung. *Cancer*, 15: 522, 1962.

Wentworth, P., et al: Xanthomatous pseudotumor of lung. A case report with electron microscopic and lipid studies. *Cancer*, 22: 345, 1968.

Foster, E. A., et al.: Localized mesotheliomas of the pleura. *Amer. J. Clin. Path.*, 34: 349, 1960.

5
CASE S-535-69

DX: SKIN, ANUS - ANGIOSARCOMA

Stout, A. P.: Hemangioendothelioma: a tumor of blood vessels featuring vascular endothelial cells. *Ann. Surg.*, 118: 445, 1943.

Girard, C., et al: Cutaneous angiosarcoma. *Cancer*, 26: 868, 1970.

6
CASE S-69-333

DX: LUNG - CARCINOSARCOMA

Bergmann, M., et al: Carcinosarcoma of the lung. *Cancer*, 4: 919, 1951.

Stackhouse, E. M., et al: Primary mixed malignancies of lung: carcinosarcoma and blastoma. *J. Thor. Cardiovasc Surg.*, 57: 385, 1969.

Ratzer, E. R., et al: Pleural mesotheliomas. *Amer. J. Roentgenol.*, 99: 863, 1967.

7
CASE S-70-3340

DX: SOFT TISSUE - MALIGNANT FIBROUS XANTHOMA (FIBROXANTHOSARCOMA)

O'Brien, J. E., et al: Malignant fibrous xanthomas. *Cancer*, 17: 1445, 1964.

Kempson, R. L., et al: Atypical fibroxanthomas of the skin. *Cancer*, 17: 1463, 1964.

Kempson, R. L., et al: Fibroxanthosarcomas of soft tissue. *Cancer* (in press)

Enzinger, F. M., et al: Liposarcoma. A study of 103 cases. *Virchows Arch. Path. Anat.*, 235: 347, 1962.

8
CASE S-69-6401 AND S-69-6652

DX: PERITONEUM - MALIGNANT MESOTHELIOMA, EPITHELIAL TYPE, DIFFUSE.
vs. ATYPICAL MESOTHELIAL HYPERPLASIA -

Winslow, D. J., et al: Malignant peritoneal mesotheliomas. Cancer, 13: 127, 1960.

9
CASE S-70-1803

DX: STOMACH - SUPERFICIAL PEPTIC ULCER, WITH REGENERATION ATYPIA OF THE EPITHELIUM AND LYMPHOID HYPERPLASIA

Bragg, D. G., et al: Roentgenologic and pathologic aspects of superficial spreading carcinoma of the stomach. Amer. J. Roentgenol., 101: 437, 1967.

Mason, M. K.: Surface carcinoma of the stomach. Gut, 6: 185, 1965.

Perez, C. A., et al: Benign lymphoid hyperplasia of the stomach and duodenum. Radiol., 87: 505, 1966.

10
CASE S-70-1138

DX: MEDIASTINUM, THYMUS - THYMOMA (with myasthenia gravis)

Lattes, R.: Thymoma and other tumors of the thymus. Cancer, 15: 1224, 1962.

Wilkins, J. E. W., et al: Cases of thymoma at the Massachusetts General Hospital. J. Thor. Cardiovasc. Surg., 52: 322, 1966.

Fechner, R. E.: Recurrence of noninvasive thymomas. Cancer, 23: 1423, 1969.

Goldstein, G., et al: The human thymus. Warren H. Green, St. Louis, 1969.

11
CASE S-70-8931

DX: LUNG - FIBROXANTHOMA (INFLAMMATORY PSEUDOTUMOR, SCLEROSING HEMANGIOMA)

References same as for Case S-70-3340.