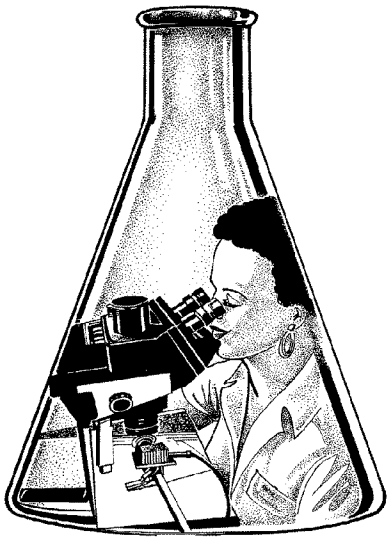
CALIFORNIA
TUMOR TISSUE REGISTRY

"GENERAL PATHOLOGY"

Study Cases, Subscription B

October 1999



California Tumor Tissue Registry
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Target audience:
Practicing pathologists and pathology residents.

Goal:
To acquaint the participant with the histologic features of a variety of benign and malignant neoplasms and tumor-like conditions.

Objectives:
The participant will be able to recognize morphologic features of a variety of benign and malignant neoplasms and tumor-like conditions and relate those processes to pertinent references in the medical literature.

Educational methods and media:
Review of representative glass slides with associated histories.
Feedback on consensus diagnoses from participating pathologists.
Listing of selected references from the medical literature.

Principal faculty:
Weldon K. Bullock, MD
Donald R. Chase, MD

CME Credit:
Loma Linda University School of Medicine designates this continuing medical education activity for up to 2 hours of Category I of the Physician's Recognition Award of the American Medical Association.
CME credit is offered for the subscription year only.

Accreditation:
Loma Linda University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

CONTRIBUTOR: K. Greg Peterson, M.D.
Sioux Falls, SD

CASE NO. 1 - OCTOBER 1999

TISSUE FROM: Placenta

ACCESSION #28678

CLINICAL ABSTRACT:

Fetal distress necessitated Cesarean section for delivery of the infant of this 40-year-old female.

GROSS PATHOLOGY:

The 833 gram placenta was 18.0 x 20.0 x 4.5 cm. The fetal surface was blue-gray with a single 2.5 cm diameter subchorionic nodule. Sectioning of the placenta revealed a 5.5 x 6.0 x 8.0 cm mass occupying approximately 20% of the fetal volume extending from just beneath the chorion to the maternal surface. The mass was firm, tan-brown with focal blood-filled cavities.

CONTRIBUTOR: Peter L. Morris, M.D.
Santa Barbara

CASE NO. 2 - OCTOBER 1999

TISSUE FROM: Ovary

ACCESSION #28353

CLINICAL ABSTRACT:

For several months, this 45-year-old woman noticed increased abdominal girth and pelvic pressure. A CT scan showed a large cystic mass in the pelvis. A subtotal hysterectomy with bilateral salpingo-oophorectomy was performed.

GROSS PATHOLOGY:

A 26.0 x 23.0 x 1.7 cm cyst was attached to an intact, 7 x 0.6 cm, patent fallopian tube. The wall of the cyst was gray-white, rubbery, but freely pliable. The lining had multiple soft tan nodules that ranged from 2.5 to 4.0 cm in diameter and up to 2 cm thick.

CONTRIBUTOR: Howard Otto, M.D. **CASE NO. 3 - OCTOBER 1999**
Cheboygan, MI

TISSUE FROM: Kidney **ACCESSION #27904**

CLINICAL ABSTRACT:

Following right hemicolectomy and chemotherapy for a colon carcinoma, this 76-year-old man developed chronic hematuria. Work-up revealed a right kidney mass and a radical nephrectomy was performed.

GROSS PATHOLOGY:

The 250 gram kidney contained a 4 x 4 x 3.8 cm tan-brown nodule in the lower pole which distended but did not penetrate through the capsule.

CONTRIBUTOR: Pamela Boswell, M.D. **CASE NO. 4 - OCTOBER 1999**
San Diego, CA

TISSUE FROM: Mesentery **ACCESSION #28631**

CLINICAL ABSTRACT:

Appendicitis was suspected in this 27-year-old African American male with abdominal pain. A CT scan showed a large intraperitoneal mass that appeared to be within the inferior small bowel mesentery.

GROSS PATHOLOGY:

The 1700 gram specimen consisted of a 17.5 x 17.0 x 14.0 cm firm, well-circumscribed mass with adherent segments of bowel. The cut surface of the rubbery mass was tan with a prominent vascular pattern and focal hemorrhage.

CONTRIBUTOR: LLU Pathology Group (np)
Loma Linda, CA

CASE NO. 5 - OCTOBER 1999

TISSUE FROM: Retroperitoneum

ACCESSION #28637

CLINICAL ABSTRACT:

For about a week this 63-year-old Hispanic male had noticed abdominal pain and difficulty in urination. A CT scan showed retroperitoneal lymphadenopathy. The patient expired with bowel infarction and peritonitis, before a tissue diagnosis was obtained.

GROSS PATHOLOGY:

Autopsy revealed a 14.0 x 8.0 x 7.0 cm irregular tan retroperitoneal mass at the level of the superior mesenteric artery. The cut surface showed multiple masses that nestled between and surround the aorta and its branches, as well as involving the adjacent pancreas.

CONTRIBUTOR: Philip G. Robinson, M.D.
Boynton Beach, FL

CASE NO. 6 - OCTOBER 1999

TISSUE FROM: Right forearm

ACCESSION #28657

CLINICAL ABSTRACT:

A 53-year-old male presented with a tumor on the right forearm.

GROSS PATHOLOGY:

A 6.5 x 2.5 x 2.0 cm elliptical fragment of black skin contained a central 1.8 x 1.5 x 1.0 cm nodule. The cut surface showed multiple cysts filled with a pink to red fluid.

CONTRIBUTOR: Douglas A. Kahn, M.D. **CASE NO. 7 - OCTOBER 1999**
Sylmar, CA

TISSUE FROM: Omentum **ACCESSION #28047**

CLINICAL ABSTRACT:

After two months of abdominal pain, this 28-year-old Hispanic female was found to have a large left ovarian mass with liver metastases. She developed an acute abdomen. and expired shortly thereafter. At laparatomy, a perforated gastric ulcer, bilateral ovarian masses and multiple mesenteric nodules were noted. The study set slides are from the omentum.

GROSS PATHOLOGY:

The firm red-brown and yellow portion of fibroadipose tissue was 2.5 x 1.8 x 1.0 cm.

SPECIAL STUDIES:

PAS with and without diastase	positive
Mucin	positive

CONTRIBUTOR: Nelson J. Quigley, M.D. **CASE NO. 8 - OCTOBER 1999**
Anaheim, CA

TISSUE FROM: Left lung **ACCESSION #28347**

CLINICAL ABSTRACT:

After a six year history of chronic obstructive pulmonary disease, this 86-year-old male presented with a 3 week history of steady non-pleuritic chest pain and a nine pound weight loss. Chest x-ray showed a very large, well-circumscribed mass in the left posterior midchest. He had smoked 4 ½ packs per day for 60 years but has stopped 14 years prior to surgery.

GROSS PATHOLOGY:

The 1400 gram specimen consisted of a 22 x 15 x 5 cm shaggy white tumor.

CONTRIBUTOR: LLU Pathology Group (bhl) **CASE NO. 9 - OCTOBER 1999**
Loma Linda, CA

TISSUE FROM: Meninges **ACCESSION #28634**

CLINICAL ABSTRACT:

This 47-year-old female complained of severe headaches and a three month history of numbness in her right hand. MRI scan revealed evidence of a left posterior frontal convexity tumor.

GROSS PATHOLOGY:

The 20 gram specimen consisted of soft mucoid tan, hemorrhagic tissue.

CONTRIBUTOR: Nelson Quigley, M.D. **CASE NO. 10 - OCTOBER 1999**
Anaheim, CA

TISSUE FROM: Right intraventricular mass **ACCESSION #28042**

CLINICAL ABSTRACT:

A 27-year-old female experienced a 2 day history of acute onset of severe headache, nausea, vomiting, rapidly progressing to coma with dilated right pupil and left hemiplegia. A right temporoparietal craniotomy was performed.

GROSS PATHOLOGY:

Multiple fragments of tissue varied from homogenous yellow-white to granular yellow-brown soft material. The multiple specimens resulted in an aggregate weight of greater than 12 grams.