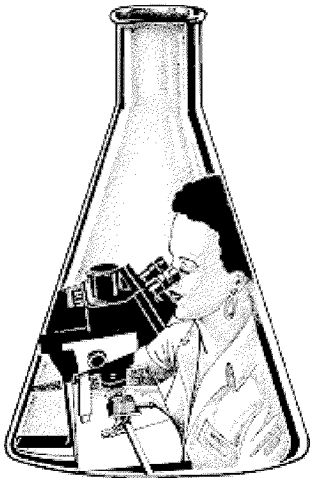
CALIFORNIA
TUMOR TISSUE REGISTRY

"General Pathology"

Study Cases, Subscription A

May 2007



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:
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: Loma Linda Pathology Group (kc) **Case No. 1 - May 2007 A**
Loma Linda, CA

Tissue from: Small bowel mesentery **Accession #30034**

Clinical Abstract:

A 21 year old woman had a history of chronic pancreatitis and previous abdominal surgeries. She presented with symptoms of bowel obstruction.

Gross Pathology:

A 3,802 gram 29 x 22 x 9 cm mass had a firm white-tan cut surface intermixed with hemorrhagic beefy-red and clear mucinous areas.

Contributor: Lester Thompson, M.D. **Case No. 2 - May 2007 A**
Woodland Hills, CA

Tissue from: Ovary **Accession #30249**

Clinical Abstract:

A 62 year old woman presented with increasing abdominal girth. A mass was palpable in the lower quadrant. A CT scan demonstrated bilateral ovarian masses. One was soft tissue density, the other contained a solid portion with adjacent complex cyst.

Gross Pathology:

The largest mass measured 17 x 12 cm.

Contributor: Ujvala Sawkar, M.D. **Case No. 3 - May 2007 A**
National City, CA

Tissue from: Right ovary **Accession #30542**

Clinical Abstract:

A 30 year old woman was found to have a pelvic mass. Serum levels of CA-125 and of testosterone were reported as elevated.

Gross Pathology:

The right ovary weighed 347 grams and was 14 x 10 x 6 cm. The cut surface was yellow and tan, admixed with a few cystic spaces.

Contributor: Catherine Odell, M.D. **Case No. 4 - May 2007 A**
Riverside, CA

Tissue from: Breast **Accession #30514**

Clinical Abstract:

This 39 year old woman noted a mass in her right breast.

Gross Pathology:

The resection specimen contained a 6 x 2 x 2 cm well-circumscribed nodule with a smooth, whorled cut surface.

Contributor: Robert Zuch, M.D. **Case No. 5 - May 2007 A**
Baldwin Park, CA

Tissue from: Stomach **Accession #30232**

Clinical Abstract:
An 80 year old man presented with upper GI bleeding.

Gross Pathology:
The submucosal gastric mass was 5 cm in greatest diameter.

Special Studies:
CD117: positive

Contributor: Lester Thompson, M.D. **Case No. 6 - May 2007 A**
Woodland Hills, CA

Tissue from: Pancreas **Accession #30580**

Clinical Abstract:
An 81 year old woman presented with abdominal pain and a sense of early satiety. Ultrasound of the abdomen found a multilocular cystic mass in the body and tail of the pancreas.

Gross Pathology:
A 7 x 7 x 6 cm mass was within the pancreas. The cut surface showed central fibrosis and multiple variable sized cysts.

Contributor: Kenneth Frankel, M.D. **Case No. 7 - May 2007 A**
Covina, CA

Tissue from: Pancreas **Accession #30179**

Clinical Abstract:
Work-up for cholelithiasis revealed a pancreatic mass in this 47 year old woman.

Gross Pathology:
In the distal portion of the resected pancreatic tail was a 5.5 x 5.5 x 4.0 cm well-circumscribed hemorrhagic purple-tan mass.

Special Studies:
Strongly positive foci: Anti-1 Antitrypsin, Anti-1 Antichymotrypsin
Rare or focally positive: Chromogranin, synaptophysin

Contributor: Robert Zuch, M.D. **Case No. 8 - May 2007 A**
Baldwin Park, CA

Tissue from: Uterus **Accession #30526**

Clinical Abstract:
A 51 year old woman underwent a hysterectomy for menorrhagia.

Gross Pathology:
Within the uterus was an 18 cm diameter submucosal mass.

Contributor: Xuedong Wang, M.D. **Case No. 9 - May 2007 A**
Pasadena, CA

Tissue from: Ovary **Accession #30234**

Clinical Abstract:

Work-up for severe anemia in this 64 year old woman revealed a history of chronic epigastric discomfort and constipation. Endoscopy revealed a duodenal ulcer and a 5 cm diameter cecal polyp. Laparoscopic partial colectomy was planned for polyp removal and at surgery she was found to have a right ovarian mass. A completion hysterectomy with oophorectomy was done two weeks later.

Gross Pathology:

The uterus with attached left ovary weighed 756 grams. The left ovary was replaced by a 15 x 12 x 10 cm multilobulated solid brown-tan mass with focal cystic change.

Special Studies:

Positive: CK7, EMA, Vimentin
Negative: CK20, ER, PR

Contributor: Peter Chen, M.D. **Case No. 10 - May 2007 A**
Sylmar, CA

Tissue from: Left leg **Accession #30281**

Clinical Abstract:

A 46 year old woman noted a bump on her left leg about two years earlier. She interpreted it as a bruise but it did not resolve and instead became increasingly hard and large.

Gross Pathology:

A circular portion of skin and soft tissue included a 5 x 5 x 2 cm irregular firm tan mass in the subcutaneous tissue.

Special Studies:

Positive: vimentin, CD68
Negative: actin, desmin, myosin, CD34, EMA, Factor VIII, S100