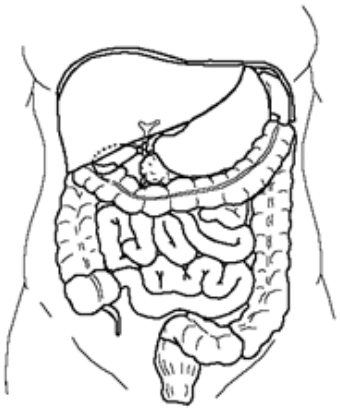
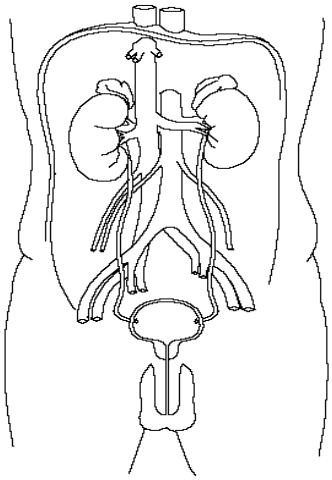
CALIFORNIA
TUMOR TISSUE REGISTRY

"GI TRACT & GU PATHOLOGY"

Study Cases, Subscription B

January 2015





California Tumor Tissue Registry
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Web page: www.cttr.org
Web site & Case of the Month: www.cttr.org

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/SAM Credit:
Loma Linda University School of Medicine designates this continuing medical education activity for a maximum of 2 hours of Category I of the Physician's Recognition Award of the American Medical Association. It also qualifies for up to 2 hours of SAM credit by the American Board of Pathology.
CME/SAM 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.

Case No. 1 - January 2015 B **Accession #31881**

Tissue from: Liver

Clinical Abstract:

A 34 year-old man was found to have a liver mass on MRI.

Gross Pathology:

The 644 gram portion of liver was 20 x 13 x 3 cm. The cut surface was hemorrhagic with intermixed white-gray fibrous tissue.

Case No. 2 - January 2015 B **Accession #31923**

Tissue from: Liver

Clinical Abstract:

This 30 year-old woman was found to have a hepatic cyst.

Gross Pathology:

The 89 gram specimen consisted of a 6 x 6 x 5 c aggregate of membranous soft tissue fragments.

Case No. 3 - January 2015 B **Accession #31689**

Tissue from: Liver

Clinical Abstract:

After biopsy, this 76 year-old man underwent wedge resection of the liver.

Gross Pathology:

The 315 gram, 15 x 11 x 6 cm specimen showed an 8 x 7 x 6 cm firm white-pink mass.

Case No. 4 - January 2015 B **Accession #31793**

Tissue from: Pancreas

Clinical Abstract:

During work up for abdominal pain that worsened with food, this 24 year-old woman was found on CT to have a hypodense pancreatic mass with heterogeneous enhancement.

Gross Pathology:

The 150 gram, 8.5 x 5.5 x 4 cm specimen included duodenum and head of pancreas. Within the pancreas was a well circumscribed 5.5 cm diameter mass with a firm gray hemorrhagic cut surface.

Special Studies:

Positive: Vimentin, Beta-catenin, Progesterone receptor

Negative: Pankeratin, chromogranin

Case No. 5 - January 2015 B **Accession #29986**

Tissue from: Pancreas

Clinical Abstract:

After 3 months of increasing epigastric pain, this 33 year-old woman was found to have a cystic mass in the tail of the pancreas.

Gross Pathology:

The 773 gram specimen contained a 12.5 x 11 x 7 cm cyst containing innumerable mucin-filled thin wall cysts.

Case No. 6 - January 2015 B **Accession #31651**

Tissue from: Small intestine

Clinical Abstract:

After an unintentional 20 pound weight loss, this 85 year-old woman presented to the Emergency Department with intractable vomiting. CT scan showed a large mass associated with loops of bowel. She underwent emergency small bowel resection.

Gross Pathology:

The serosal surface of a 15 cm length of bowel had a 7 cm diameter bulbous mass on the antimesenteric side, extending into the bowel wall but not involving the mucosa or lumen.

Special Studies:

Positive: Desmin, SMA

Negative: CD117, CD34, cytokeratin

Case No. 7 - January 2015 B **Accession #31690**

Tissue from: Gallbladder

Clinical Abstract:

An 81 year-old woman presented with signs and symptoms of cholecystitis.

Gross Pathology:

The previously disrupted gallbladder was 9 x 6 x 3 cm and was accompanied by multiple stones. The firm gallbladder wall was up to 1.3 cm thick and showed areas of necrosis.

Special Studies:

Positive: AE!/AE3, CK20, CEA

Negative: CK7, CD68, ER, GCDFP-15, mammaglobin

Case No. 8 - January 2015 B **Accession #31858**

Tissue from: Bilateral kidneys

Clinical Abstract:

This 50 year-old man was in renal failure and underwent bilateral nephrectomy.

Gross Pathology:

The right kidney was 2,700 grams, 30 x 15 x 10 cm. The left kidney was 3,800 grams, 29 x 16 x 10 cm. Both kidneys were completely replaced by innumerable cysts up to 8 cm in greatest diameter.

Case No. 9 - January 2015 B **Accession #31801**

Tissue from: Right kidney

Clinical Abstract:

This 51 year-old woman had a right renal mass.

Gross Pathology:

The 336 gram kidney was 16.5 x 7.5 x 3.5 cm and contained a 3 x 2 x 2 cm soft heterogeneous yellow and red nodule.

Case No. 10 - January 2015 B **Accession #31700**

Tissue from: Bladder

Clinical Abstract:

A 70 year-old man had hematuria and following therapy underwent a radical cystectomy.

Gross Pathology:

The multiple fragments of pink-tan friable tissue formed an 8 x 8 x 2 cm aggregate.