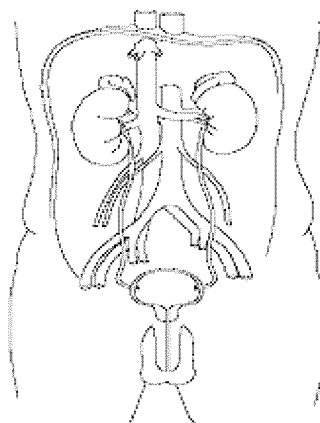


CALIFORNIA
TUMOR TISSUE REGISTRY

“GENITOURINARY PATHOLOGY”

Study Cases, Subscription A

April 2016



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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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
Anwar Raza, MD
Darryl Heustis, 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 - April 2016 A

Accession # 23481

Tissue from: Perianal region and penis

Clinical Abstract: 36 year old male with 13 year history of numerous “warts” in perianal area and penile shaft.

Gross Pathology: 20 grams of polypoid tissue was received, the largest piece measuring 3.2 x 2.0 x 0.8 cm. The tissue fragments had an epithelial surface which was thickened up to 0.3 cm in some areas.

Case No. 2 - April 2016 A

Accession # 23332

Tissue from: Bulbous urethra

Clinical Abstract: This 76 year old male complained of intermittent gross hematuria for about one year. Cystoscopy revealed a stricture of the urethra at the penile- scrotal angle. Proximal to this was an extensive villous growth extending into the bulbous urethra.

Gross Pathology: The resected urethra contained a villous neoplasm which occupied a 3 cm length of urethra and involved the entire luminal circumference.

Case No. 3 - April 2016 A

Accession # 17715

Tissue from: Right testis

Clinical Abstract: 27 year old male with right scrotal swelling for 3-4 months.

Gross Pathology: The 570 gram specimen consisted of a resected right testis, epididymis and cord. The testis was markedly enlarged and replaced by a solid mass, which was fixed to the tunica albuginea but did not appear to penetrate it. The cut surface of the mass was soft, bulging, yellow-tan in appearance with no apparent areas of hemorrhage, necrosis or cyst formation. A moderate hydrocele was present.

Case No. 4 - April 2016 A

Accession # 13200

Tissue from: Urinary bladder dome

Clinical Abstract: This 56 year old male presented with a 7 day history of painless hematuria. There was heavy bleeding with passage of clots at the end of urination.

Gross Pathology: An elliptical 5 x 4 cm portion of bladder wall contained a 4 x 2 cm central fungating papillary mass.

Case No. 5 - April 2016 A

Accession # 7843

Tissue from: Prostate

Clinical Abstract: This 31/2 year old male experienced severe intermittent pain before urinating for 2 months. There was a one week history of bilateral leg pain and edema prior to hospital admission. A large mass was found arising from the prostate, which completely filled the pelvis.

Gross Pathology: A 880 gram large prostatic mass was rubbery, homogenous, white and fleshy in appearance.

Case No. 6 - April 2016 A

Accession # 18662

Tissue from: Prostate

Clinical Abstract: This 70 year old male underwent a transurethral prostatectomy for bladder neck obstruction. He had a past history of lower urinary tract infection.

Gross Pathology: Specimen consisted of 23 grams of prostatic tissue.

Case No. 7 - April 2016 A

Accession # 17873

Tissue from: Right kidney

Clinical Abstract: 55 year old male construction worker presented with stomach ulcers and hematuria.

Gross Pathology: A 300 gram right kidney showed bright yellow abscesses near the capsule. Cut section showing geographic areas of necrosis with bulging irregular yellow margins.

Case No. 8 - April 2016 A

Accession # 31743

Tissue from: Left kidney

Clinical Abstract: 55 year old female underwent a partial nephrectomy for a renal mass.

Gross Pathology: The roughly ovoid piece of tissue from the pole of the kidney was 45 grams and measured 5.0 x 4.0 x 3.5 cm. The majority of the surface was round and smooth while the cut surface showed lobular tan tissue. Sectioning revealed an ill-defined yellow 4.0 x 3.8 x 2.0 cm tumor with areas of hemorrhage, which appeared to extend to the surgical margin in one area.

Special studies:

| | |
|----------|---------------------------|
| CK 7 | Focally positive in tumor |
| Vimentin | Negative |
| RCC Ag | Negative |
| Ki 67 | Very low labeling indices |
| CD 117 | Negative |

Case No. 9 - April 2016 A

Accession # 23340

Tissue from: Urinary bladder

Clinical Abstract: This 36 year old male complained of bladder irritation for 3 to 4 years and more recently had noted several episodes of gross hematuria. There had been a 20 pound recent weight loss.

Gross Pathology: The specimen consisted of a 7.5 x 7 cm segment of bladder. Occupying the center of the specimen was a thickened irregular raised, multifocal ulcerated and hemorrhagic lesion.

Case No. 10 - April 2016 A

Accession # 4904

Tissue from: Urinary bladder

Clinical Abstract: This 65 year old male had noticed increasing frequency and nocturia for one year. Later he complained of dysuria, urgency, cloudy and occasionally bloody urine.

Gross Pathology: The transurethrally removed bladder tissue weighed 53 grams. It was soft, brown-pink and all fragments were less than one half cm. in length. A few of the fragments appeared grossly to be papillary.

Special Studies:

| | |
|-------------|----------------------|
| CK cocktail | Positive in clusters |
| Actin | Faintly positive |
| Desmin | Negative |