**Basic Information:**

**Prostate:**

* normal histology of the prostate
* benign prostatic hyperplasia (BPH)
* high-grade prostatic intraepithelial neoplasia (HGPIN) and its mimics
* prostatic adenocarcinoma, including mimics, immunohistochemical evaluations, subtypes, Gleason grading, and important staging parameters
* identification and clinical importance of atypical small acinar proliferation (ASAP) and PINATYP
* nephrogenic metaplasia/adenoma

**Urinary Bladder:**

* + - normal histology and variants
    - cystitis
    - flat urothelial lesions
    - papillary urothelial neoplasms and their precursors
    - invasive conventional urothelial carcinoma, including staging criteria

**Kidney:**

* renal cell carcinoma, including subtypes
* Fuhrman nuclear grading of renal cell carcinoma
* oncocytoma

**Testis:**

* **Germ Cell Tumors:**
* intratubular germ cell neoplasia
* seminoma
* spermatocytic seminoma
* embryonal carcinoma
* yolk sac
* teratoma
* choriocarcinoma
* regressed germ cell tumors

**Penis and Scrotum:**

* balanitis xerotica obliterans
* Condyloma acuminata
* Bowen’s disease
* squamous cell carcinoma
* basal cell carcinoma
* warty carcinoma
* verrucous carcinoma
* papillary carcinoma
* scrotal calcinosis

**Advanced Information:**

**Prostate:**

* intraductal carcinoma of the prostate
* prostatic ductal adenocarcinoma and know its mimics
* hormone, radiation, and cryoablation therapy effects
* gene fusions in prostate cancer – implications for future

**Urinary Bladder:**

* histologic variants of urothelial carcinoma
* glandular lesions
* squamous lesions
* mesenchymal tumors and tumor-like lesions

**Kidney:**

* recently recognized and/or rare subtypes of RCC
* xanthogranulomatous pyelonephritis
* cystic neoplasms of kidney
* angiomyolipoma
* translocation associated renal cell carcinomas

**Testis:**

* **Lymphomas and leukemic involvement of the testis**
* **Sex Cord-Stromal Tumors:**
* Leydig cell tumor
* Sertoli cell tumor
* sclerosing Sertoli cell tumor
* large cell calcifying Sertoli cell tumor

**Penis and Scrotum**

* Zoon’s balanitis
* Peyronie’s disease
* condyloma acuminata
* Bowen’s disease & Bowenoid papulosis
* squamous cell carcinoma
* basal cell carcinoma
* warty carcinoma
* verrucous carcinoma
* papillary carcinoma
* extramammary Paget’s disease
* scrotal calcinosis