

Radiology Residency Core Curriculum
Genitourinary Imaging

- I. Techniques
 - a. Plain film radiography
 - b. CT
 - c. MR
 - d. US
 - e. Nuclear Medicine (covered under NM)
 - f. IVU, cystography
 - g. Contrast Reactions

- II. Adrenal Glands
 - a. Hemorrhage
 - b. Calcifications
 - c. Cystic masses
 - d. Solid masses
 - e. Endocrine syndromes

- III. Kidneys
 - a. Technique and normal and variant anatomy
 - b. UPJ
 - c. Infection
 - d. Stone disease
 - e. Inflammatory
 - f. Trauma
 - g. Multicystic disease
 - h. Renal parenchymal disease
 - i. Nephrocalcinosis
 - j. Solid
 - k. Cystic masses
 - l. Staging, preoperative evaluation and post operative appearance

- IV. Ureters
 - a. Technique and normal and variant anatomy
 - b. Reflux
 - c. Hydronephrosis
 - i. Stones
 - ii. Infection/inflammatory
 - iii. Stricture
 - iv. Filling defects
 - 1. Benign
 - 2. Malignant
 - 3. Extrinsic compression
 - v. Tumors benign and malignant

- V. Bladder
 - a. Technique and normal and variant anatomy including urachal remnants

- b. Trauma
- c. Infection/inflammatory
- d. Neurogenic bladder
- e. Radiation
- f. Infiltrative processes
- g. Benign
- h. Malignant tumors and staging
- i. Postoperative GU tract, neobladder, urinary diversions etc

VI. Urethra

- a. Technique and normal anatomy male and female
- b. Trauma
- c. Infection/Inflammatory
- d. Neoplastic

VII. Retroperitoneum

- a. Benign
- b. Malignant

VIII. Male pelvis

- a. Prostate
 - i. Normal anatomy
 - ii. Cystic lesions, Prostatitis
 - iii. Cancer, staging
 - iv. Post treatment changes
- b. Testicles, Scrotum, Epididymus
 - i. Benign: Trauma, torsion, masses
 - ii. Malignant
- c. Penis
 - i. Trauma
 - ii. Impotence

IX. Female pelvis

- a. Technique, normal anatomy, congenital variants
- b. Uterus
 - i. Infertility
 - ii. Infection
 - iii. Post partum
 - iv. Benign
 - v. Malignant
- c. Cervix
 - i. Infection
 - ii. Benign
 - iii. Malignant
- d. Adnexa
 - i. Infection
 - ii. Benign
 - iii. Malignant

- e. Vagina
 - i. Benign
 - ii. Malignant masses
- f. Perineum
 - i. Cystic lesions
 - ii. Solid masses
 - iii. Pelvic floor
 - iv. Pelvic congestion

References:

Sandler CM et al. (Dunnick ed.) Textbook of Uroradiology Lippincott Williams & Wilkins; 3 ed edition (January 15, 2001)

Pollack HM et al Clinical Urography W.B. Saunders Company; 2nd edition (August 15, 2000)