

Χαρακτηριστικά:

- Contains 170+ chapters that guide you through **all the imaging intricacies of the GU system**, including anatomy, physiology, imaging protocols, and work-ups
- Includes **new chapters** on MR imaging of bladder cancer, the new VI-RADs system, MR-targeted prostate biopsy techniques, rare and atypical prostate masses, management of incidental adrenal lesions, and renal artery aneurysms
- Features an **expanded prostate section** with details on the latest PI-RADS and the new prostate cancer scoring systems, and a new subsection of chapters on penile trauma, injury, and carcinoma
- Introduces most sections with a **review of normal anatomy and variants**, bolstered with extensive use of medical illustrations and radiographic images
- Comprises **dedicated sections on imaging techniques** designed to optimize radiologic protocols and enhance diagnostic specificity
- Features **1,900+ high-quality print images and videos (with an additional 1,100+ images in the complimentary eBook)**, including radiology images, full-color medical illustrations, clinical and gross pathology photographs, and histology images covering all relevant modalities: ultrasound, CT and CEUS, MR, PET/CT, and gross pathology imagery?emphasizing state-of-the-art, cross-sectional imaging throughout
- Uses **succinct bulleted text and highly templated chapters** for quick comprehension of essential information at the point of care
- **Includes an eBook** that allows you access to everything in the print version as well as **new text, new videos, and thousands of additional images and references**, with the ability to search, customize your content, make notes and highlights, and have content read aloud; additional digital ancillary content may publish up to 6 weeks following the publication date

Περιεχόμενα:

SECTION 1: OVERVIEW AND INTRODUCTION

Imaging Approaches

SECTION 2: RETROPERITONEUM

Introduction to Retroperitoneum

CONGENITAL

Duplications and Anomalies of IVC

INFLAMMATION

Retroperitoneal Fibrosis

DEGENERATIVE

Pelvic Lipomatosis

TREATMENT RELATED

Retroperitoneal Hemorrhage

Postoperative Lymphocele

BENIGN NEOPLASMS

Retroperitoneal Neurogenic Tumor

MALIGNANT NEOPLASMS

Retroperitoneal Sarcoma

Retroperitoneal and Mesenteric Lymphoma

Retroperitoneal Metastases

Solitary Fibrous Tumor

SECTION 3: ADRENAL

Introduction to Adrenals

Management of Incidental Adrenal Masses

INFECTION

Adrenal Tuberculosis and Fungal Infection

METABOLIC OR INHERITED

Adrenal Hyperplasia

Adrenal Insufficiency

TRAUMA

Adrenal Hemorrhage

BENIGN NEOPLASMS

Adrenal Cyst

Adrenal Adenoma
Adrenal Myelolipoma
Pheochromocytoma

MALIGNANT NEOPLASMS

Adrenal Cortical Carcinoma
Adrenal Cortical Carcinoma Staging
Adrenal Lymphoma
Adrenal Metastases
Adrenal Collision Tumor

SECTION 4: KIDNEY AND RENAL PELVIS

Introduction to Renal Physiology and Contrast
Introduction to Kidney and Renal Pelvis

NORMAL VARIANTS AND PSEUDOLESIONS

Renal Fetal Lobation
Junctional Cortical Defect
Column of Bertin

CONGENITAL

Horseshoe Kidney
Renal Ectopia and Agenesis
Ureteropelvic Junction Obstruction
Congenital Megacalyces and Megaureter
Renal Lymphangiomatosis

INFECTION

Acute Pyelonephritis
Chronic Pyelonephritis/Reflux Nephropathy
Xanthogranulomatous Pyelonephritis
Emphysematous Pyelonephritis
Renal Abscess
Pyonephrosis
Opportunistic Renal Infections

RENAL CYSTIC DISEASE

Renal Cyst

Parapelvic (Peripelvic) Cyst
Bosniak Classification of Cystic Masses
Autosomal Dominant Polycystic Kidney Disease
Acquired Cystic Kidney Disease
von Hippel-Lindau Disease
Medullary Cystic Diseases
Lithium Nephropathy
Localized Cystic Renal Disease

BENIGN NEOPLASMS

Renal Angiomyolipoma
Renal Oncocytoma
Metanephric Adenoma
Mixed Epithelial and Stromal Tumor Family

INFLAMMATION

IgG4 Renal Disease
Histiocytic Diseases

MALIGNANT NEOPLASMS

Renal Cell Carcinoma
Renal Cell Carcinoma Staging
Medullary Carcinoma
Collecting Duct Carcinoma
Urothelial Carcinoma
Renal Pelvis and Ureter Carcinoma Staging
Renal Lymphoma
Renal Metastases

METABOLIC

Nephrocalcinosis
Urolithiasis
Paroxysmal Nocturnal Hemoglobinuria

RENAL FAILURE AND MEDICAL RENAL DISEASE

Hydronephrosis
Glomerulonephritis
Acute Tubular Injury
Renal Cortical Necrosis

Renal Papillary Necrosis
HIV Nephropathy
Chronic Renal Failure
Renal Lipomatosis

VASCULAR DISORDERS

Renal Artery Stenosis
Renal Infarction
Renal Vein Thrombosis
Renal Vasculitis

TRAUMA

Renal Trauma
Urinoma

TRANSPLANTATION

Kidney Transplant Normal Anatomy
Vascular Thrombosis in Kidney Transplants
Transplant Renal Artery Stenosis
Arteriovenous Fistulas Involving Kidney Transplants
Pseudoaneurysms Involving Kidney Transplants
Urinary Obstruction Involving Kidney Transplants
Perinephric Fluid Collections Involving Kidney Transplants
Posttransplant Lymphoproliferative Disease Involving Kidney Transplants
Acute Tubular Necrosis in Kidney Transplants
Rejection in Kidney Transplants

TREATMENT RELATED

Postoperative State, Kidney
Radiation Nephropathy
Contrast-Induced Nephropathy

SECTION 5: URETER

Introduction to Ureter

CONGENITAL

Duplicated and Ectopic Ureter
Ureterocele

INFLAMMATION

Ureteritis Cystica
Ureteral Stricture

TRAUMA

Ureteral Trauma

NEOPLASMS

Fibroepithelial Polyp
Ureteral Urothelial Carcinoma

MISCELLANEOUS

Ureterectasis of Pregnancy

SECTION 6: BLADDER

Introduction to Bladder

CONGENITAL

Urachal Anomalies

INFECTION

Cystitis
Bladder Schistosomiasis
Malakoplakia

DEGENERATIVE

Bladder Calculi
Bladder Diverticulum
Fistulas of Genitourinary Tract
Neurogenic Bladder

TRAUMA

Bladder Trauma

TREATMENT RELATED

Postoperative State, Bladder

BENIGN NEOPLASMS

Inflammatory Myofibroblastic Tumor
Bladder Intramural Masses

MALIGNANT NEOPLASMS

Urinary Bladder Carcinoma Staging
VI-RADS: Approach and Pitfalls
Squamous Cell Carcinoma
Adenocarcinoma

SECTION 7: URETHRA/PENIS

NONNEOPLASTIC CONDITIONS

Introduction to Urethra
Urethral Stricture
Urethral Diverticulum
Urethral Trauma
Traumatic, Vascular, and Nonmalignant Penile Lesions

NEOPLASMS

Urethral Carcinoma Staging
Penile Carcinoma

TREATMENT RELATED

Penile and Urethral Implants
Gender-Affirming Surgery: Masculinizing
Gender-Affirming Surgery: Feminizing

SECTION 8: TESTES

NONNEOPLASTIC CONDITIONS

Approach to Scrotal Sonography
Cryptorchidism
Testicular Torsion

Segmental Infarction
Tubular Ectasia
Testicular Microlithiasis

NEOPLASMS

Germ Cell Tumors
Testicular Carcinoma Staging
Stromal Tumors
Testicular Lymphoma and Leukemia
Epidermoid Cyst

SECTION 9: EPIDIDYMIS

Epididymitis
Adenomatoid Tumor
Spermatocele/Epididymal Cyst
Sperm Granuloma
Funiculitis and Vasitis

SECTION 10: SCROTUM

Hydrocele
Varicocele
Pyocele
Inguinal Hernia
Fournier Gangrene
Fibrous Pseudotumor of Scrotum
Scrotal Trauma

SECTION 11: SEMINAL VESICLES

Congenital Seminal Vesicle Lesions
Acquired Seminal Vesicle Lesions

SECTION 12: PROSTATE

Prostatitis and Abscess
Benign Prostatic Hyperplasia
Prostatic Cyst
Prostate Carcinoma
PI-RADS: Approach and Pitfalls
Prostate Carcinoma Staging
Rare and Atypical Prostate Masses

SECTION 13: PROCEDURES

Prostate Biopsy Techniques

Native and Transplant Kidney Biopsy

Percutaneous Urinary Interventions

Kidney Ablation

Kidney Embolization

Venous Sampling and Venography (Renal and Adrenal)