



centralcpd

Part of Improve International

Deep Dives

Urology

Urology

Learning Objectives:

1. Diagnostic Approach for Renal Disease

- a. Understanding of how renal pathophysiology guides diagnostic testing and explains the likely results of tests and clinical signs in specific conditions
- b. Understanding of renal function tests and urinalysis, including limitations
- c. Ability to interpret diagnostic tests and imaging to reach a definitive diagnosis and give guidance on prognosis

2. Chronic Kidney Disease and Tubulointerstitial Disease

- a. Understanding of IRIS staging and its use in providing evidence-based guidance for the diagnosis and management of chronic kidney disease
- b. Knowledge of management options, monitoring and prognosis

3. Acute Kidney Injury

- a. Knowledge of the causes of acute kidney injury
- b. Understanding of IRIS grading for acute kidney injury and its use in aiding formation of a prognosis
- c. Knowledge of the management of acute kidney injury

4. Feline Lower Urinary Tract Disorders

- a. Understanding of the main differential diagnoses for feline lower urinary tract disease
- b. Ability to select appropriate diagnostic tests based on presentation, clinical questions and history
- c. Knowledge of both the acute and chronic management of feline lower urinary tract disease

5. Canine Glomerular Disease and Proteinuria

- a. Understanding of the pathophysiology of proteinuria and varying aetiologies
- b. Ability to differentiate primary glomerular disease from secondary causes of proteinuria, based on ACVIM consensus guidelines for investigation
- c. Knowledge of the presentation of nephrotic syndrome
- d. Knowledge of when to initiate treatment for proteinuria based on IRIS guidelines
- e. Knowledge of ACVIM consensus statements to guide treatment

6. Approach to Haematuria

- a. Ability to distinguish upper from lower urinary tract as the origin of haematuria, using history and clinical questions
- b. Knowledge of the main differential diagnoses for haematuria and management options

7. Urolithiasis and Obstructive Urinary Tract Disease

- a. Knowledge of differences between canine and feline disease and implications for treatment options and long-term management
- b. Knowledge of the common types of uroliths in both the dog and the cat and diagnostic approach

8. Emergency and Critical Care for Urinary Tract Disease

- a. Knowledge of the presentation, diagnosis and management of ureteral obstruction
- b. Understanding of the clinical presentation and progression seen with ethylene glycol toxicity and how this impacts treatment options
- c. Knowledge of the clinical manifestations of leptospirosis and management of the associated acute kidney injury
- d. Knowledge of emergency diagnostics and stabilisation for uroabdomen and treatment options

9. Urinary Tract Infections

- a. Understanding of the concept of subclinical bacteriuria versus infection and how this affects therapeutic decision making
- b. Ability to prescribe antibiotics responsibly in accordance with ISCAID guidelines for cystitis, pyelonephritis and prostatitis

10. Imaging of the Urinary Tract

- a. Understanding of imaging options for urinary tract disorders and indications for them, including ultrasound and contrast radiography

11. Nutrition for Urinary Tract Disorders

- a. Knowledge of how nutrition can play a key role in management of urinary tract disease
- b. Ability to be able to prescribe a suitable diet for both renal and lower urinary tract disease