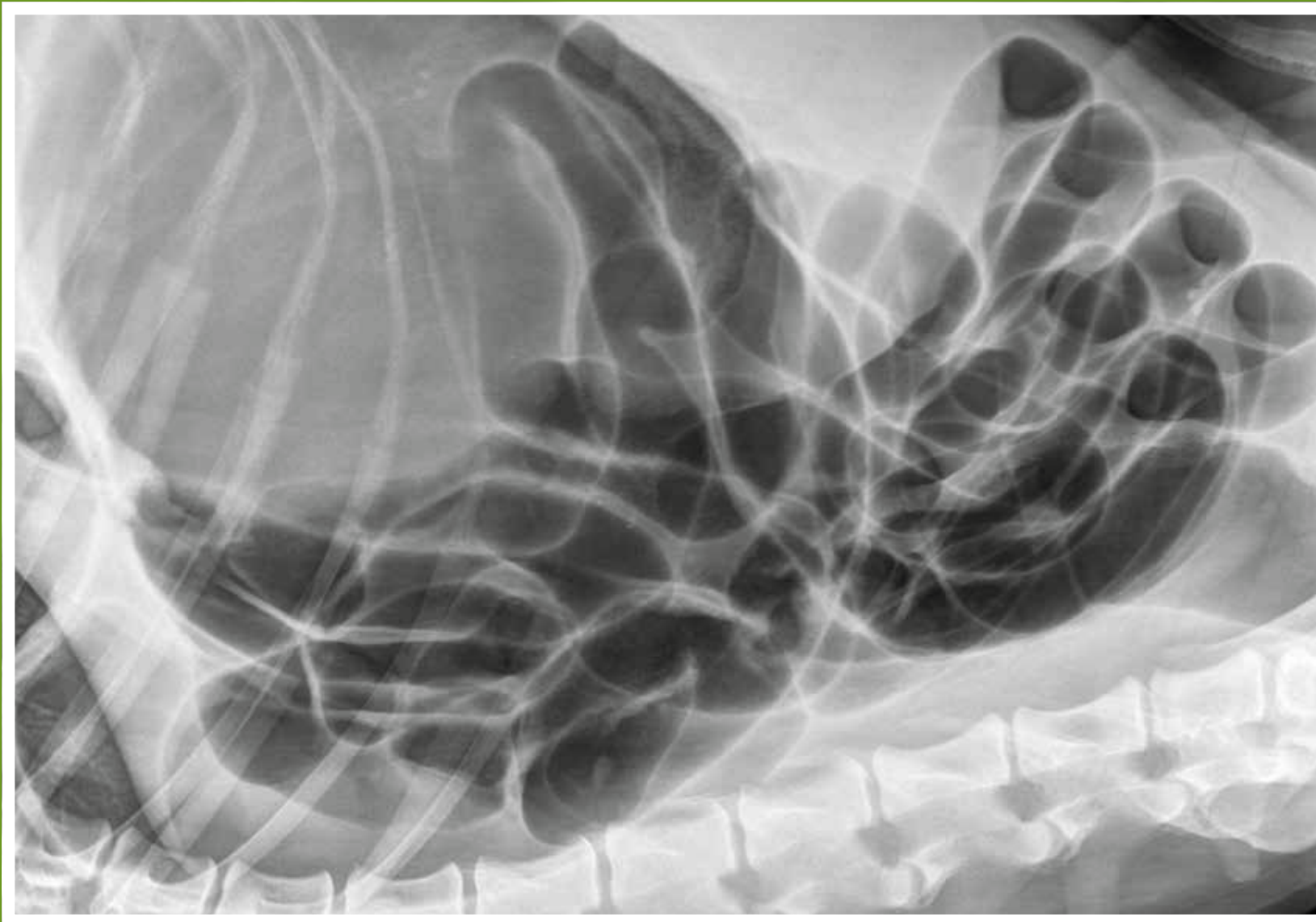


Postgraduate Certificate in Small Animal

# MEDICINE

BSAVA  
postgraduate  
programme



NOTTINGHAM  
TRENT UNIVERSITY



 **BSAVA**  
BRITISH SMALL ANIMAL VETERINARY ASSOCIATION

## Endocrinology I

**Speaker: Ian Ramsey** BVSc PhD DSAM FHEA  
DipECVIM-CA MRCVS

- Approach to the patient with polyuria/polydipsia
- Hyperadrenocorticism
- Diabetes insipidus
- Hypothyroid or sick euthyroid
- Hyperthyroidism in cat

## Endocrinology II

**Speaker: Chris Scudder** BVSc MVetMed PhD  
DACVIM-SAIM DECVIM-SAIM

- Approach to episodic weakness and collapse
- Hypoadrenocorticism
- Diabetes mellitus in the dog and cat
- Insulinoma
- Calcium disorders in dogs and cats
- Primary hyperaldosteronism in the cat
- Pituitary function
- Growth hormone abnormalities in the dog and cat

## Respiratory

**Speaker: Jon Wray** BVSc DSAM CertVC MRI FRSB  
FRCVS

- Upper airway disease in cats and dogs
- Lower airway disease in cats and dogs
- Lung parenchymal disease in cats and dogs
- Imaging for respiratory disease
- Bronchoscopy
- Pleural and mediastinal disease in cats and dogs
- Therapeutic agents for respiratory disease

## Cardiovascular

**Speaker: Nuala Summerfield** BSc BVM&S  
DipACVIM DipECVIM-CA MRCVS

- Clinical examination of the cardiovascular system in the dog and cat
- Classification of heart disease/failure
- What diagnostic test to use and when
- Cardiac arrhythmias
- Murmurs in cats and dogs
- Evidence-based treatment of canine congestive heart failure
- Treating myocardial disease in cats
- Cardiovascular emergencies

## Clinical pathology and cytology

**Speaker: Elizabeth Villiers** BVSc DipRCPath  
DipECVP CertVR CertSAM MRCVS

- Liver enzymes and function
- Protein disorders
- Biochemical findings associated with liver disease
- Laboratory evaluation of renal disease
- Sodium and potassium disorders
- Calcium disorders
- Cytological sampling
- Principles of cytological interpretation

## Immunology

**Speaker: Nat Whitley** BVMS PhD CertVC DipACVIM  
DipECVIM MRCVS

- Useful definitions
- Classifications of hypersensitivity
- Immunological tests
- Approach to the patient with PUO
- Immune-mediated disease of the dog and cat
- Immunosuppressive therapy
- Immunodeficiencies in the dog and cat

## Gastrointestinal I

**Speaker: Penny Watson** MA VetMD CertVR DSAM  
DipECVIM MRCVS

- Normal functions of the liver
- Secondary hepatopathies and nodular hyperplasia
- History and physical examination in primary liver disease
- Diagnostic tests for liver disease
- Liver disease in cats
- Liver disease in dogs
- Treatment of liver disease in dogs and cats
- Normal functions of the pancreas
- Exocrine pancreatic insufficiency in dogs and cats
- Pancreatitis in dogs and cats
- Pancreatic neoplasia in dogs and cats

## Gastrointestinal II

**Speaker: Ed Hall** MA VetMB PhD DipECVIM-CA  
MRCVS

- Investigation of oesophageal disease
- Oesophageal disorders in the dog and cat
- Nutritional management of swallowing disorders
- Diagnostic procedures for gastrointestinal disease
- Gastric disorders in the dog and cat
- Small intestinal disorders in the dog and cat
- Large intestinal disorders in the dog and cat
- Gastrointestinal therapeutic agents
- Prophylactic worming regimes

## Toxicology

**Speaker: Kate Murphy** BVSc(Hons) DSAM  
DipECVIM-CA PGCert(HE) MRCVS

- Poisonings commonly encountered in practice – diagnosis and management
  - Rodenticide
  - Metaldehyde
  - Ethylene glycol
  - Paraquat
  - Plants – easter lily etc.
  - Common foods – raisins, grapes, chocolate etc.
  - Pharmaceuticals
- Accessing information
- Appropriate collection and submission of samples
- Problem-solving approach to cases

## Neurology

**Speaker: Rita Gonçalves** DVM Dip ECVN MVM  
FHEA MRCVS

- Differentiating intracranial from spinal and peripheral nerve lesions
- Diseases of the forebrain and cranial nerves I and II in the dog and cat
- Diseases of the cerebellum in dogs and cats
- Diseases of the brainstem and cranial nerves III to XII in dogs and cats
- Major diseases of the autonomic nervous system
- Vestibular disease in dogs and cats
- Seizures in dogs and cats
- Principles and applications of diagnostic aids
- Paralysis: localisation of the lesion to specific spinal cord segments or the peripheral nervous system
- Important medical conditions of the spinal column and spinal cord in dogs and cats
- Neuropathies
- Neuromuscular causes of exercise intolerance
- Other specific myopathies not presenting as exercise intolerance

## Ophthalmology/ Dermatology

**Speakers: Hilary Jackson** BVM&S DVD DipACVD  
DipECVD MRCVS and  
**Lorraine Fleming** BVetMed CertVOphthal MRCVS

- Examination of the eye for medics
- Common medical conditions of the eye in dogs and cats
- The eye in systemic disease
- Diagnostic work-up of skin disease
- Common skin disorders of the dog and cat
- The skin as a marker of systemic disease

## Clinical nutrition

**Speaker: Penny Watson** MA VetMD CertVR DSAM  
DipECVIM MRCVS

- Nutritional requirements of cats and dogs
- Providing nutritional advice for clients
- Use of nutraceuticals
- Critical care nutrition and nutrition of hospitalised patients
- Enteral and parenteral nutrition
- Tube feeding
- Nutritional intervention for specific diseases

## Haematology

**Speaker: Rory Bell** MVB DSAM DECVIM-CA MRCVS FHEA

- Interpretation of the haemogram – red blood cells, white blood cells and platelets
- Polycythaemia
- Diagnostic approach to anaemia
- Blood loss anaemia
- Haemolytic anaemia
- Non-regenerative anaemia
- Blood groups and their role in transfusion medicine
- Blood products in the management of anaemia

## Kidney

**Speakers: Harriet Syme** BSc BVetMed DipACVIM DipECVIM

- Chronic kidney disease in the dog and cat
- Systemic hypertension in cats
- Protein-losing nephropathy in dogs and cats
- Renal tumours in dogs and cats
- Hyperthyroidism and renal failure in the cat
- Acute renal failure
- Pyelonephritis
- Obstructive renal disease

## Critical care

**Speaker: Karen Walsh** BVetMed DVA DipECVAA MRCVS

- Assessment of shock in the critically ill
- Fluid therapy
- Assessment and stabilisation of the dyspnoeic patient
- Minimum database
- Electrolyte imbalances – causes, signs and treatment relating to imbalances of K, Na and Cl
- Acid-base disorders
- Arterial blood gas analysis
- Blood lactate
- Assessment of coagulation
- Assessment of the azotaemic patient
- Monitoring of the critical patient

## Lower urinary tract

**Speakers: Harriet Syme** BSc BVetMed DipACVIM DipECVIM

- Diagnostic tests for the lower urinary tract
- Urolithiasis in the dog and cat
- Urinary tract infections in dogs and cats
- FLUTD
- Urethral obstruction
- Prostatic disease
- Neuroanatomical basis of urination
- Urinary retention
- Urinary incontinence

## Oncology I

**Speaker: Mark Goodfellow** MA VetMB CertVR DSAM DipECVIM-CA MRCVS

- Diagnosis, staging and treatment of
  - Lymphoma
  - Leukaemia
  - Plasma cell tumours
- Choice of protocol, managing adverse effects and optimising patient quality of life
- Achieving safe use of cytotoxic drugs in a practice environment

## Oncology II

**Speaker: Mark Goodfellow** MA VetMB CertVR DSAM DipECVIM-CA MRCVS

- Diagnosis, staging and treatment of
  - Mammary tumours
  - Mast cell tumours
  - Bladder tumours
  - Haemangiosarcoma
  - Osteosarcoma
  - Melanoma
  - Nasal tumours
- Multimodal treatment regimes in veterinary cancer care
- 'Novel' therapies

# Reproduction and neonatology

**Speaker: Gary England** BVetMed PhD DVetMed  
DVR CertVA DVRep DipACT Dip ECAR FHEA FRCVS

- Physiology and endocrinology of reproduction in the dog and cat
- Pharmacological control of reproduction in the dog and cat
- Investigation of infertility in the dog and cat
- Pregnancy diagnosis; abnormalities of pregnancy; parturition
- Reproductive disorders in the male dog and cat
- Reproductive disorders in the non-pregnant female dog and cat
- The neonate – congenital defects, fading pups/kittens
- Care of neonates
- Principles of genetics and genetic testing
- Review of conditions for which genetic tests are currently available

# Infectious disease

**Speakers: Simon Tappin** MA VetMB CertSAM  
DipECVIM-CA MRCVS and  
**Emi Barker** BVSc BSc PhD DipECVIM-CA MRCVS

- Diagnostic techniques available for infectious disease
- Endemic infectious disease in dogs
  - Distemper, parvovirus, leptospirosis, CIH, kennel cough
  - Tetanus
  - Neospora, toxoplasma
- Endemic infectious disease in cats
  - Feline respiratory viruses, FIE, FeLV, FIV, FIP
- Vaccination strategies
- Antimicrobials – prescribing, choosing and optimising therapy
- Emerging infectious diseases in dogs and cats
  - Leishmaniosis
  - Heartworms – Angiostrongylosis, Dirofilariosis
  - Tick-transmitted diseases – Borreliosis, Babesiosis, strategies for controlling tick-borne pathogens
  - Flea-transmitted disease – Bartonellosis
  - Mycobacterial diseases