Small Animal Emergency Medicine and Surgery Clinical Programme

General Practitioner Certificate (GPCert) Emergency Medicine & Surgery
Postgraduate Certificate (PgC) Small Animal Emergency Medicine & Surgery

Current interest in small animal accident and emergency medicine and surgery is greater now than ever before. This exciting modular programme is dedicated to providing high quality, relevant, clinically useful information for the small animal practitioner. Information that is practically relevant is presented using an approach based around the major organ systems.

Course Times
09:15 Registration
09:30 Course starts
17:00 Course finishes

Location
Alexandra House, Swindon

Principal taught modules

01 The initial approach to the emergency patient
Speaker: Gayle Hallowell
(MA VetMB CertVA DipACVIM-LAIM MRCVS)
Date: 29 January 2015
• Understand the administrative, legal and ethical issues involving the critically ill patient
• Appreciate triage systems and detail a suitable initial patient assessment
• Explain emergency vascular access techniques including jugular and intraosseous routes
• Understand pain management, stabilisation and monitoring
• Explain health and safety concerns and precautions including managing a situation involving potential zoonoses
• Appreciate infectious diseases and preventative healthcare
• Be aware of reference sources for the additional learning objectives on the recumbent patient and/or basic notes

02 Laboratory diagnosis, clinical pathology and transfusion medicine
Speaker: Sara Gould
(BVetMed DSAM MRCVS)
Date: 30 January 2015
• Understand sampling techniques, processing, storage and data recording
• Apply knowledge to using the microscope to examine blood smears, urinary sediment and basic cytology and be able to diagnose common acute and chronic conditions seen in general practice
• Assess haemostasis
• Interpret clinical laboratory medicine information including haematology, biochemistry, electrolyte and arterial and blood gas analyses
• Understand when transfusion should be considered and appreciate that there are no ‘magic’ numbers
• Select appropriate blood products and protocols to minimise adverse outcomes
• Manage common conditions leading to haematological abnormalities requiring transfusion

03 Anaesthesia, analgesia, sedation and therapeutics
Speaker: Dan Holden
(BVetMed DVA DipECVA CertSAM MRCVS)
Date: 30 April 2015
• Detail an approach to patient stabilisation prior to anaesthesia
• Select appropriate parenteral and inhalational anaesthetic regimes and appreciate their relative advantages and disadvantages. Sedation versus anaesthesia
• Have an understanding of anaesthetic equipment and monitoring techniques and their advantages and disadvantages
• Explain the selection of NSAIDs, opioids, local anaesthetic and topical treatment options for the emergency patient
• Understand the pharmacokinetics, potential interactions and adverse effects of commonly used therapeutic agents including anti-microbials and anti-parasiticides in addition to anaesthetics and anti-inflammatories in the emergency patient
• Understand the use of neuromuscular blockers

04 Supporting the emergency patient
Speaker: Paul Higgs
(MA VetMB CertSAM DipECVIM-CA MRCVS)
Date: 1 May 2015
• Assess, recognise and treat shock
• Appreciate the indications for the different types of fluid therapy with their advantages and disadvantages and the need for electrolyte supplementation
• Review techniques for venous access: sites, catheter placement, preparations and complications including advanced techniques and intraosseous techniques
• Have a general understanding of acid-base balance and its treatment
• Explain the need to monitor for complications during treatment and to record central venous pressure
• Appreciate the importance of acute malnutrition
• Formulate a plan to provide enteral, total parenteral and partial parenteral nutrition

05 The principles of surgery and the approach to trauma and wound management
Speaker: Guillaume Chanoit
(DVM MSc PhD DECVS DACVS MRCVS)
Date: 28 May 2015
• Stabilise a patient prior to surgery, plan surgery and manage complications
• Appreciate the indications for immediate surgical intervention
• Understand surgical asepsis, theatre protocol and the rational use of antimicrobials in surgical patients
• Approach the acute management of haemorrhage, abdominal trauma, brain and/or spinal trauma and respiratory trauma
• Approach external soft tissue wounds, myocardial injury and musculoskeletal trauma
06 Gastrointestinal emergencies
Speaker: Guillaume Chanoit
Date: 29 May 2015
- Approach the acute abdomen
- Understand the common emergency conditions affecting the oesophagus, stomach, small intestine, large intestine, liver and pancreas
- Formulate a diagnostic plan, including the use of imaging modalities, and effective monitoring strategies for these cases
- Understand appropriate surgical intervention

07 Cardiovascular emergencies & CPCR
Speaker: Joao Loureiro (DVM CertVC DipECVIM-CA MRCVS)
Date: 20 July 2015
- Understand the cardiovascular assessment and management of patients presented with cardiovascular emergencies
- Utilise and interpret a range of diagnostic techniques including ECGs, radiographs, echocardiographs and laboratory data
- Diagnose and manage acute canine congestive heart failure, feline cardiomyopathy and aortic thromboembolism
- Diagnose and manage pericardial disease and understand how to perform pericardiocentesis
- Diagnose and manage cardiac arrhythmias

08 Respiratory tract emergencies
Speaker: Dan Holden
Date: 21 July 2015
- Understand the general approach to dyspnoea
- Utilise and interpret a range of diagnostic techniques for respiratory patients including auscultation, radiography, endoscopy and arterial blood gas analysis to localise the underlying cause
- Appreciate the methods of oxygen delivery and be able to monitor the efficacy of treatment
- Understand the problems associated with oxygen delivery
- Explain the techniques available

09 Neurological and toxicological emergencies
Speaker: Laurent Garosi (DVM DipECVN MRCVS)
Date: 17 September 2015
- Perform a neurological examination
- Select appropriate diagnostic tests and apply them to individual cases, including radiography and CSF analysis
- Understand how to manage common neurological emergencies
- Appreciate the fundamentals of neurosurgery
- Recall the common toxicities such as insecticides, molluscicides, rodenticides, herbicides, household preparations and plants
- Diagnose, treat and assess the prognosis of patients presented with the common poisonings

10 Ophthalmological emergencies
Speaker: John Mould (BVSc BA DVOphthal MRCVS)
Date: 18 September 2015
- Perform a practical ophthalmological examination
- Recognise normal features and variants
- Formulate a diagnostic approach to common presentations including the red eye, ocular pain, ocular discharge and blindness and management of canine tachycardiomyopathy
- Understand the medical and surgical management of common ocular conditions including corneal ulceration, uveitis and glaucoma
- Understand ocular manifestations of systemic disease
- Select current ocular medications and have an understanding of therapeutics
11 Renal, urinary tract, reproductive and paediatric emergencies  
**Speaker:** Dan Holden  
**Date:** 22 October 2015

- Apply diagnostic techniques including laboratory investigations and imaging to these cases
- Investigate and manage common renal and urinary tract emergencies
- Understand the principles of renal, ureteral, bladder and urethral surgery
- Formulate an approach to cystocentesis and the placing and maintenance of urinary catheters and appreciate their limitations
- Understand normal reproductive physiology and function and the physiology of conversion from foetal to neonatal circulation
- Appreciate the common important clinical signs associated with reproductive and paediatric emergencies
- Plan a diagnostic approach to these cases and manage common conditions

12 Endocrine and metabolic emergencies  
**Speaker:** Dan Holden  
**Date:** 23 October 2015

- Detail the common metabolic conditions requiring urgent or emergency therapy
- Understand the impact of metabolic disturbances on the patient’s major body systems
- Devise an approach to the diagnosis and management of common endocrine emergencies
- Understand key diagnostic tests and their application
- Appreciate the complications encountered during therapy, their prevention and management

13 Emergencies in rabbits, rodents and cage birds  
**Speaker:** Richard Saunders (BVSc BSc CertZooMed DZooMed (Mammalian) MRCVS)  
**Date:** 16 December 2015

- Interpret the practical findings of a physical examination
- Formulate a diagnostic approach to common presentations of emergency conditions
- Manage common emergency conditions

14 Practical session  
**Speaker:** Guillaume Chanoit  
**Date:** 17 December 2015

This practical day will provide delegates with the opportunity to practise the following techniques in the wet-lab:

- Tracheotomy and chest drain placement
- Emergency abdominal surgery including the approach to the acute abdomen and peritonitis, enterotomy and enterectomy
- Gastric dilatation/volvulus and gastropexies
- Urinary obstruction including urethrotomy in the dog and perineal urethrostomy in the cat
Pricing 2015

Whether you want to work towards a GPCert, PgC or attend our individual or paired modules, our flexible programmes help make this possible.

Year 1 (14 module programme) General Practitioner Certificate (GPCert)
- The total programme cost includes the GPCert examination fee
- Two modules back to back, the cost excludes the GPCert examination fee
- Individual modules the cost excludes the GPCert examination fee

Year 2 (Advanced Practitioner) Postgraduate Certificate (PgC)
- Delegates attend the structured taught clinical programme of their choice and following successful assessment gain the GPCert and 40 academic credits from Harper Adams University. To achieve a PgC the additional 20 academic credits can be gained by registering for the Advanced Practitioner module* delivered by Harper Adams University.

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Terms & conditions

1. Full payment to be made by BACS, credit card or cheque within 30 days for the total programme and in advance of the module if attending on an individual or paired modular basis.
2. Direct debit plans are administered and collected on our behalf by Animal Healthcare Limited.
3. Multiple booking and corporate discounts available, please contact either 01793 208077 or 01793 759159 for further information.

* To complete the Advanced Practitioner Module to PgC level a further payment of £1,250.00 is required by April 2015.