Enhance your clinical and diagnostic skills to treat and manage your cardiac and respiratory cases with confidence.

Cardiology and respiratory disease are so closely linked that it is natural to study them jointly. In particular, the vexing question of whether a case is cardiac or respiratory, or a combination of both, will be one of the major focuses for the course. Participants will first build a sound platform of clinical and diagnostic skills and will then apply these to a full range of real clinical problems – from nasal and upper respiratory through to cardiac, pulmonary, pleural and mediastinal disease processes.
About the course

Learning outcomes

- Learn how to obtain maximum information from clinical examinations and how to interpret thoracic radiographs with accuracy and confidence
- Learn to interpret ECGs, particularly those troublesome arrhythmias and improve your understanding of the basics of echocardiography and experience its use in a wide variety of disease processes
- Develop a greater understanding of the full range of respiratory disease processes
- Gain a clear overview of the appropriate medical therapy of cardiac and respiratory disease and an understanding of how to manage arrhythmias
- Gain expertise through a systematic study of all the categories of heart disease (valvular, myocardial, pericardial, arrhythmias and heartworm disease) and related topics, such as hypertension and hyperthyroidism
- Enhance your clinical and diagnostic skills to treat and manage your cardiac and respiratory cases with confidence.
- Pursue your passion and develop your career by immersing yourself in an in-depth learning program that will challenge and change your practice.
- Learning is more than just accessing information. Develop your understanding, skills and abilities by combining the latest evidence based information with individual feedback and mentoring from your tutor, a leading veterinary expert.
- Flexibility - online access to your course materials means that you can study anywhere and at any time.
- Expand your practice’s capacity to service clients at a higher level.

Modules

1. Where is the problem?
   - Introduction
   - Physical examination of cardiac and respiratory systems
   - Auscultation
   - Cardiovascular and respiratory physiology
   - Heart and lung function in health and disease
   - What to do next: what follow up tests are appropriate?

2. Diagnostic Aids 1
   - Cardiovascular radiology
   - Radiology of the upper and lower respiratory tracts
   - Principles of angiography
   - Respiratory diagnostics: respiratory endoscopy, sampling from airways, lung parenchyma and the pleural cavity

3. Diagnostic Aids 2
   - Principles of echocardiography
   - Illustrative examples of both normal and abnormal echocardiograms
   - Electrocardiography - basics, mensuration, analysing arrhythmias

4. Cardiac Therapy
   - Principals of management of acute and chronic heart failure
   - Managing rhythm disturbances

5. Respiratory Therapy, Congenital Heart Defects
   - Respiratory therapy: principals of management of respiratory disease
   - Congenital cardiac defects: recognition and management

6. Acquired Valvular Disease
   - Acquired valvular and endocardial disease: endocarditis and endocardiosis: diagnosis and management

7. Upper Airway Disease
   - Nasal disease
   - Pharyngeal and laryngeal disease
   - Tracheobronchial disease

8. Acquired Myocardial Disease
   - Feline myocardial disease
   - Canine myocardial disease

9. Lower Respiratory Tract Disease
   - Pulmonary parenchymal disease
   - Heartworm disease

10. The Chest Cavities
    - Pericardial disease
    - Pleural disease
    - Mediastinal disease
    - Miscellaneous topics, including hypertension
Registration

Course fees

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<th>Plan</th>
<th>Member*</th>
<th>Non-member / eMember</th>
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<td>Super early bird – expires 30 June, 2016</td>
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Member* includes: Practice, Professional, Part-time, Recent Graduate and Academic members.

Payment

- **Cheque**: Please make cheque payable to the Centre for Veterinary Education
- **Credit Card**: Visa / Mastercard

For more information on membership benefits, visit: www.cve.edu.au/membership

Tutors

**Nick Russell**
BVSc, MVS, FACVSc (Medicine), DACVIM (Cardiology)

Nick Russell graduated from the University of Sydney in 1998. In 2002, he became a member of the Australian College of Veterinary Scientists and undertook a Residency in Small Animal Medicine at Murdoch University Veterinary Hospital, during which time he also completed a Master of Veterinary Studies (in small animal medicine and surgery). In 2005 he undertook a three-year residency in veterinary cardiology at the University of Pennsylvania. During this time he attained specialist qualifications in two fields. Firstly in 2007, Nick attained fellowship of the ACVSc in canine medicine, and then in 2008 he achieved Diplomate status of the American College of Veterinary Internal Medicine, in the specialty of cardiology. He currently works in specialty referral practice in southern California, USA and is a co-tutor in the CVE Cardiorespiratory Medicine DE course.

**Niek Beijerink**
DVM, PhD, Diplomate ECVIM-CA (Cardiology)

Niek Beijerink graduated with a veterinary degree from Utrecht University in The Netherlands. He completed a PhD (canine endocrinology and reproduction) in 2007 and then a residency in Small Animal Cardiology in 2010. He is a Diplomate of the European College of Veterinary Internal Medicine (Cardiology). In 2011 Niek commenced working as a Specialist in Small Animal Cardiology at Sydney University and is responsible for the clinical service and teaching in this area. Some of his active research interests are heart failure therapy, cardiac CT imaging, and stem cell therapy for heart disease. Niek is a co-tutor in the CVE Cardiorespiratory Medicine Distance Education course.

Register online

www.cve.edu.au/de/cardiorespiratory-medicine

Alternatively, complete the registration form ➔

Or, send us your registration by

Fax: +61 2 9351 7968
Post: Centre for Veterinary Education
Veterinary Science Conference Centre
Level 2, B22 Regimental Drive
The University of Sydney NSW 2006

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