



THE UNIVERSITY OF
SYDNEY

Centre for
Veterinary
Education

28 CPD Points

VPOCUS Workshop

“When something is visualized, the truth of its occurrence or existence can no longer be doubted – Seeing is Believing”!

This is especially true for point-of-care ultrasound (POCUS), which increases diagnostic confidence by 89.2%. Despite this, many small animal practices underutilise their ultrasound machines.

Our workshop aims to change this by providing hands-on training with live dogs, teaching POCUS techniques for the abdomen, pleural space, lung, and heart. Participants will also practice ultrasound-guided vascular access using phantom models.

By mastering these skills and understanding basic ultrasound functions, veterinarians can significantly enhance their diagnostic capabilities and patient care.

Workshop Partner



Course Details

4 – 5 July 2026

8:00 AM – 5:15 PM

Location

Veterinary Science Conference Centre
Regimental Drive
The University of Sydney

Tutors

Soren Boysen

DVM Dipl.ACVECC

Pamela Manning

BSc, BVSc, GradCertEdStudies(Higher Ed), FHEA

Mark Howarth

BVSc (Hons 1) MANZCVS (ECC) MVMS Diplomate
ACVECC

Louis Eramanis

BSc BVMS MVS MVSc MANZCVS (ECC)
DipACVECC

Early Bird rate expires 23 May 2026

cve.edu.au/vpocus

Program

Day 1 – Building Foundations and Hands-on Practice

- 07.30 Registration
- 08.00 **Welcome and Introduction**
- 08.30 **Probe Manipulation and Machine Function**
- Overview of essential probe manipulation techniques and understanding machine functionality
 - Construct chicken phantom
- 10.00 Morning Tea
- 10.20 **Vascular Access – hands-on practice**
- Hands-on practice for vascular access techniques and probe/catheter manipulations
- 11.00 **Vascular Access Olympics**
- Engaging competition to enhance vascular access skills for prizes!
- 12.00 Lunch
- 1.00 **Live Canine Scanning**
- Comprehensive exploration of POCUS windows:
 - Cardiac Point of Care Ultrasound
 - Abdominal Point of Care Ultrasound
 - Pulmonary (Pleural/Lung) Point of Care Ultrasound
- 3.00 Afternoon Tea
- 3.20 **Live Canine Scanning continued**
- 5.20 **Wrap-Up and Group Discussion**
- 5.30 Day 1 End

Day 2 – Pathological Exploration and Advanced Techniques

- 07.30 Registration
- 08.00 **Pathological Case Studies, Cadaver Practice and Live Dog Scanning**
- Engage with abnormal pathology through case-based scenarios
 - Hands-on cadaver practice:
 - Abdominal Pathologies: Effusion, Pneumoperitoneum, Bladder Volume Estimation, renal pelvic dilation
 - Thoracic Pathologies: Pleural Effusion, B-lines, Pneumothorax
 - Live dog free scan and cardiac scanning
 - Computer-based quiz
- 10.00 Morning Tea
- 10.20 **Continued Pathological Case Studies, Cadaver Practice and Live Dog Scanning**
- Rotate through stations to refine skills and address specific pathologies
- 1.00 Lunch
- 2.00 **Advanced Techniques: Nerve Blocks and Chicken Phantoms with FNA**
- Perform nerve blocks on cadavers to enhance proficiency
- 3.30 Afternoon Tea
- 3.50 **Advanced Techniques continued**
- 5.00 **Course Wrap-Up, Reflection and Closing Remarks**
- 5.15 Day 2 End

Tutors



Soren Boysen
DVM Dipl.ACVECC

Dr Boysen became a diplomate of the American College of Veterinary Emergency and Critical care in 2003 and worked at the University of Montreal veterinary teaching hospital from October 2003 to December 2008. He joined UCVM in January 2009. Dr Boysen is a Professor in small animal emergency and critical care in the Department of Veterinary Clinical and Diagnostic Sciences. He is actively involved in both the American and European veterinary emergency and critical care societies, as well as the Veterinary trauma initiative, serving on several committees for these organizations. He is an internationally recognized lecturer, speaking at numerous international conferences around the world. Although he is happy to speak on any small animal emergency and critical care topic his true passion lies within emergency point of care ultrasound, perfusions, hemorrhage and shock. Dr. Boysen is also heavily integrated in teaching and learning within the UCVM program, teaching across all 4 years of the undergraduate program, as well as working with the interns and being a member of the Teaching Academy for the University of Calgary. He has received several teaching awards over the years for his contribution to higher education within the veterinary curriculum.



Pamela Manning
BSc, BVSc,
GradCertEdStudies(Higher
Ed), FHEA

Pam is a clinical skills educator at the University of Sydney and an emergency veterinarian at SASH (Small Animal Specialist Hospital). POCUS is an integral part of both her educational and clinical practice. She is a Fellow of the Higher Education Academy and has undergone postgraduate training in medical simulation and point-of-care ultrasound at the University of Sydney School of Medicine. For the past 4 years, Pam has been collaborating to bring POCUS to Australia and continues to actively deliver POCUS workshops, empowering fellow veterinary professionals with essential skills and knowledge for enhanced patient care.



Mark Howarth
BVSc (Hons 1) MANZCVS
(ECC) MVMS Diplomate
ACVECC

Mark graduated with first class honours from the University of Queensland and went on to complete a rotating internship at Queensland Veterinary Specialists. Having a passion for emergency and critical care he was awarded membership in this field in with the Australian College of Veterinary Scientists and subsequently completed a residency in emergency and critical care at Murdoch University. He became a board-certified specialist with the American College of Veterinary Emergency and Critical Care in 2012. He obtained a master's in veterinary medical science in 2014. Mark then established the 24-hour emergency and critical care service at the School of Veterinary Science at the University of Queensland in 2015. He has taught at the undergraduate level and successfully mentored two specialists in emergency and critical care. He has published many research articles and authored book chapters in respected peer-reviewed international publications. His many interests include cardiopulmonary resuscitation, snake envenomation, toxicology, point of care ultrasound, sepsis and mechanical ventilation. When Mark is not in the ICU, he is spending time with his family (including his Maine Coon and Moggy).

Tutors



Louis Eramanis
BSc BVMS MVS MVSc MANZCVS
(ECC) DipACVECC

Louis completed his Bachelor of Veterinary Medicine & Surgery at Murdoch University, Perth before working in general practice, then as an emergency veterinarian around Western Australia. After undertaking an internship at the Queen Mother Hospital for Animals at the Royal Veterinary College in London, he returned to home soil to complete a residency in small animal emergency and critical care at U-Vet Werribee Animal Hospital, University of Melbourne. His Masters research characterised venom-induced consumption coagulopathy in tiger snake envenomed dogs. He attained membership of the emergency and critical care chapter of the ANZCVS and became a diplomate of American College of Veterinary Emergency and Critical Care. Louis helped develop a critical care service in another busy Sydney referral hospital prior to joining SASH in 2022. Louis enjoys a high-intensity emergency room particularly snake envenomation, neurological emergencies, respiratory failure and ultrasound in the emergency room. On the flip-side, the Criticalist Louis finds satisfaction in the detailed intricacies of a critically ill patient. He has a respectful appreciation of the kidneys, electrolyte derangements and mechanical ventilation. Whilst he finds any way to be involved in sick hospital patients, seeing them recover and walk out of the hospital always brings a smile to his face. Between these endeavours, Louis can be found exploring the city, enjoying different cuisines, appreciating live music and spending money on Apple products! His dog, Beau, and two cats, Saphira and Nymphadora Tonks, are with his family in Western Australia.

Course Fees

Registrant Type	Early Bird	Course Price
Member*	\$4,130	\$4,350
eMember / Non-Member	N/A	\$4,830

*Member includes: Members include: Practice Member Staff, Professional, Part-time Professional, and Recent Graduate members.

Register online

Visit: cve.edu.au/vpocus

Or call the CVE Team on 0436 520 249.

Enquiries

For any further enquiries or to speak to the CVE team please email: cve.enquiries@sydney.edu.au or call us at +61 2 9351 7979.