Back to Basics: Diagnostic Ultrasound Workshop

All you need to know and understand to get you scanning with confidence.

Gain confidence with your ultrasound by understanding the principles and applying these in a practical hands-on one day workshop. Your expert tutor Mariano Makara will help you develop a greater understanding of diagnostic ultrasonology to allow you to conquer your fears and scan with confidence.

This course is designed to provide participants with basic principles of abdominal ultrasonography. Topics covered in this workshop will help participants acquire high-quality images and interpret common diseases of the abdomen. Lectures will review basic physics of diagnostic ultrasound, principles of image formation, and interpretation of principles. The practical component will include scanning dogs in groups of no more than 3 people.

Date / Time
Friday 8 or Saturday 9 September 2017
8.00 – 5.00

Venue
Veterinary Science Conference Centre
The University of Sydney

Tutor
Mariano Makara
DrMedVet Dipl. ECVDI

11 CPD Points

Early Bird Rates expire 28 July 2017
Workshop

8.00 REGISTRATION

8.30 LECTURE
Brief Review of Physics of Ultrasonography
Mariano Makara
Practical considerations:
– Interaction of ultrasound with matter and its influence on image formation
– Understanding artefacts in abdominal ultrasonography
– How to choose a transducer: transducer shapes, types and frequencies
– Basic scanner controls
– Basics of doppler

9.30 LECTURE
Ultrasonographic Features of the Normal Canine Abdomen & Approach to Common Abnormalities
Mariano Makara
Part 1:
– Liver
– Spleen
– Adrenal glands

10.30 MORNING TEA

10.45 LECTURE
Ultrasonographic Features of the Normal Canine Abdomen & Approach to Common Abnormalities
Mariano Makara
Part 2:
– Pancreas
– GI tract
– Urinary
– Reproductive

11.45 LABORATORY
Hands-on Practical Work Scanning Gelatin Cubes
Mariano Makara
– How to identify gas, bone, fluid and parenchymal structures
– Image orientation and principles of ultrasound guided FNA
– Sampling objects within the gelatine cubes

12.15 LUNCH

1.00 LECTURE
Review of Abdominal Anatomy
Mariano Makara

1.30 LABORATORY
Lab Scanning Demonstration
Mariano Makara

2.00 LABORATORY
Abdominal Ultrasonography Technique
Mariano Makara
(Hands-on practical work scanning normal dogs in Small groups of 3)
– Recognise the ultrasonographic appearance of normal intra-abdominal structures including the liver, spleen, kidneys, urinary bladder, pancreas, GI tract and adrenal glands
– Review and practice the scanning technique used to scan those structures

5.00 END

Enquiries
For any further enquiries or to speak to a customer service representative, please email: cve.enquiries@sydney.edu.au or call us at +61 2 9351 7979.
Mariano Makara
DrMedVet Dipl. ECVDI

Mariano Makara earned his veterinary degree at the University of La Plata, Argentina. In January 2005, he began a radiology internship with Ross University, School of Veterinary Medicine, under the guidance and direction of Dr. Joe Morgan, where a significant part of his responsibilities included reading radiographs and performing ultrasound examinations. He then moved to the University of Zurich in Switzerland where he completed a residency program in diagnostic imaging and passed his certification exams for the European College of Veterinary Diagnostic Imaging in March 2010. Following this he was promoted to Assistant Professor at the University of Zurich where he was responsible for each of the diagnostic modalities including diagnostic radiology, ultrasound, and CT in both small and large animals. He has also served as an Associate Professor at St. George’s University. His research interests have centred around computed tomography angiography and he has completed research projects in thoracic computed tomography angiography contrast medium injection technique and use in diagnosis of infections with Angiostrongylus vasorum in dogs. Mariano is currently the Senior Lecturer in Diagnostic Imaging, at the Faculty of Veterinary Science, Sydney University.

Register online
cve.edu.au/workshop/ultrasound/sep

Or, send us your registration by
Fax:  +61 2 9351 7968
Post:  CVE – Level 2, VSCC Regimental Drive
The University of Sydney NSW 2006

1. Registrant details

I am a CVE Member:  □ Yes  □ No
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Postcode:........................................  Tel:..............................
Email:.................................................................

2. Member type

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<tr>
<th>Select day:</th>
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<th>Sat 9 Sep</th>
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<td>□ Member*</td>
<td>$1,277</td>
<td>$1,345</td>
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<tr>
<td>□ Non-member</td>
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Member* includes: Practice, Professional, Part-time professional, Recent Graduate & Academic members.

3. Become a CVE Member

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<td>Practice membership</td>
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<tr>
<td>Professional member</td>
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<tr>
<td>Part-time Professional member</td>
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<td>Recent Graduate member</td>
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4. Payment

Credit card:  □ Visa  □ Mastercard  □ AMEX
Amount authorised to charge: $.........................
Card No:...............................................................
Name on Card:........................................................
Signature:...........................................................  Expiry Date:......../........

All course fees will be charged in Australian dollars and include GST.