Immunology & Updates in Immune-Mediated Disease Conference

24 CPD Points

Immunology & Updates in Immune-Mediated Disease Conference

Immune-mediated diseases are among the most common and challenging in veterinary practice.

This course is designed to provide the veterinary practitioner with the most current methods of recognition, diagnosis and treatment of immune-mediated diseases in the dog and cat. Using case based examples the presenters will work through a large number of interactive cases, providing theoretical and practical insights into managing difficult cases. The course will cover all aspects of immune-mediated disease, including dermatologic, haematologic and oncologic examples. The use of immunosuppressive drugs and the selection of appropriate protocols will be covered in detail. The presenters, Drs Mackin, Holloway and Shipstone have large amounts of experience in managing immune-mediated disease in dogs and cats and will provide novel insights into the management of these problematic cases.

Steve Holloway is an internist who trained in both Australia and the USA. He has deep and penetrating insights into infectious diseases, cell biology and immunology – all of which underpin canine and feline immune-mediated diseases. Andrew Mackin is an ex-pat Aussie who trained at Murdoch, the University of Melbourne, Guelph and has had senior faculty positions in Edinburgh and now Mississippi. His current focus is on measuring cytokine levels to optimise safe and effective control of immune-mediated disease. Mike Shipstone is a Brisbane based veterinary dermatologist who started out in general practice before focusing on skin disease. These speakers have very different personalities, but are all on the top of their game.

Early Bird: 24 July 2017

Plan now to take advantage of the fantastic South Island Spring skiing as well as the opportunity to enjoy everything else Queenstown has to offer.

Conference
Monday 11 – Friday 15 September 2017
Free day: Wednesday 13

Location
Crowne Plaza Queenstown
99 Beach Street
Queenstown, New Zealand

Convener
Steven Holloway
BVSc MVS PhD MACVSc
Dipl. ACVIM

Speakers
Andrew Mackin
BSc BVMS MVS DVSc
FANZCVSc Dipl. ACVIM
(SA Internal Med.)

Mike Shipstone
BVSc (Hons) MACVSc ACVSc
Dipl. ACVD
Monday 11 September

Day 1

8.30  REGISTRATION

9.00  Practical Clinical Immunology
Steve Holloway
This lecture will encompass the basics of how the immune system reacts to antigenic challenges and how we recognise and monitor that response. Pathophysiological aspects of bacterial, viral and other infections will be discussed and what tests are used to monitor this. Why some tests are diagnostic and why others are more complicated. FIV, FeLV, FIP, Toxoplasma and Neospora testing will be discussed as examples.

10.00  Immune-Mediated Hemolytic Anemia
Andrew Mackin
This will focus on the pathophysiology of IMHA, with an emphasis on primary versus secondary causes, intravascular versus extravascular hemolysis, recognizing infectious and non-immune diseases that mimic IMHA, and the associated tendency to pulmonary thromboembolism, and outline a comprehensive diagnostic approach.

11.00  MORNING TEA

11.30  Immune-Mediated Thrombocytopenia
Andrew Mackin
The pathophysiology of IMT and nature of the bleeding disorder that comes with the condition will be examined, with a focus on confirming that thrombocytopenia is real; on distinguishing primary versus secondary IMT; and outlining a comprehensive diagnostic approach.

12.30  LUNCH

1.30  Immunosuppressive Therapy I
Better Use of Established Drugs
Andrew Mackin
Discussion of the use of common immunosuppressive drugs in both dogs and cats to treat immune-mediated disorders such as IMHA, IMT, and polyarthritis, beginning with better use of the older more established drugs such as prednisolone, azathioprine, chlorambucil and vincristine.

2.30  Immunosuppressive Therapy II
Newer Drugs
Andrew Mackin
Discussion of the practical use of the newer immunosuppressive drugs used in dogs and cats, with an emphasis on cyclosporine, mycophenolate, and leflunomide, drugs that are the current focus of Dr. Mackin’s Pharmacodynamic laboratory.

3.30  AFTERNOON TEA

4.00  Panel-based Discussion
Interactive Session
Steve Holloway, Andrew Mackin, Mike Shipstone
Please bring along your own relevant case studies or questions which might be used during the panel based discussions.

5.00  END

Tuesday 12 September

Day 2

8.30  REGISTRATION

9.00  Atopy – More Than Just Allergy
Mike Shipstone
This lecture will discuss the common problems veterinarians face when recognizing atopy in dogs and cats. Methods for diagnosis and treatment will be covered including the use of new drugs such as Apoquel and comparison with traditional methods of treatment.
10.00 Auto Immunity & Skin Disease
Mike Shipstone
This lecture will discuss diagnosis and treatment of Pemphigus, Bullous pemphigus, SLE, DLE and other immune-mediated skin disease. How to manage difficult cases and the use of methods to reduce the side effects of immunosuppression.

11.00 MORNING TEA

11.30 Investigating Alopecia
Mike Shipstone
This lecture will show how to use in-house techniques to quickly differentiate the broad causes of hair loss and then develop a logical path to step through the process needed to achieve a definitive diagnosis.

12.30 LUNCH

1.30 Fever of Unknown Origin
Andrew Mackin
This lecture will provide a structured diagnostic approach to the dog and cat with fever of unknown origin, with an emphasis on a logical, step-by-step, cost-effective approach to attaining a definitive diagnosis.

2.30 Immune-Mediated Diseases
Urogenital Diseases & Musculoskeletal Diseases
Steve Holloway
This lecture will discuss new approaches and new drugs for treating glomerulonephritis in dogs and cats. What are good and bad prognostic signs? The second part of the lecture will focus on immune-mediated diseases affecting the muscles and bones. Masticatory myositis, polymyositis and diseases with a suspected immune pathophysiology will be discussed. Complications and side effects of prolonged steroid therapy and how to avoid this.

3.30 AFTERNOON TEA

4.00 Immunology & the GIT
Case Based Studies
Steve Holloway
This lecture will discuss intestinal, hepatic and pancreatic disease with an underlying immune-mediated pathogenesis. Latest understanding of testing and treatment will be discussed.

5.00 END

Wednesday 13 September is a free day.

Thursday 14 September

Day 3

8.30 REGISTRATION

9.00 Vaccination
Steve Holloway
✓ How to design a rational vaccine program and when not to vaccinate?
✓ Is FIV vaccination worth it?
✓ Killed or live Bordetella vaccination?
✓ Is auto-immunity related to vaccination?

10.00 Immune-Mediated Disease Affecting the Nervous System
Steve Holloway
This lecture will discuss aspects of various immune diseases affecting the peripheral and central nervous system including GME, corticosteroid responsive meningitis, atypical encephalitis, polyradiculoneuritis, chronic inflammatory polyneuritis, and myasthenia gravis. How clinical observation is helpful in lower motor neuron disease. CSF tap, MRI and EMG testing will be discussed as well as management of these difficult cases.

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5.00 END

Dogs
Andrew Mackin
This lecture will provide a practical approach to blood transfusion in dogs, with an emphasis on the role of blood groups. Discussion points will include blood groups in dogs, donor selection, blood donation, pre-transfusion testing and safe transfusion practices that minimise the chances of unexpected reactions.
8.30 REGISTRATION

9.00 Otitis Externa, Otitis Media
Mike Shipstone
Understanding the interplay of infection, inflammation and immunity. This will include practical approaches to treatment including the use of video-otoscopes and how they have become a game changer in the management of chronic ear disease.

10.00 The Pruritic Cat
Mike Shipstone
A rational approach to diagnosis and management. Not all cases of pruritus in cats are simple or straightforward. This lecture will discuss a rational approach to separation of immune causes such as atopy from food allergies and other causes of pruritus. Management options will be discussed and how drugs are administered for long-term cases to get an optimal result.

11.00 MORNING TEA

11.30 Neoplasia & Immune System I
Steve Holloway
This lecture will focus on the diagnosis and treatment of neoplasia of the immune system including lymphoma, multiple myeloma and the problematic histiocytic neoplasms.

12.30 LUNCH

1.30 Neoplasia & Immune System II
Steve Holloway
This lecture will follow on from Lecture I and discuss unusual clinical cases of neoplasia of the immune system and diseases that mimic neoplasia of the immune system. There will also be a discussion of the use of immunotherapy for cancer.

2.30 Immunodeficiency Syndromes
Diagnosis & Management
Steve Holloway
This lecture will discuss the recognition of common and less common causes of immunodeficiency in dogs and cats. This will include viral diseases such as FIV, FeLV and genetic causes of immunodeficiency.

3.30 AFTERNOON TEA

4.00 Panel-based Discussion
Interactive Session
Steve Holloway, Andrew Mackin, Mike Shipstone
Please bring along your own relevant case studies or questions which might be used during the panel based discussions.

5.00 CONFERENCE END
Steven Holloway graduated from the University of Sydney in 1983. He then worked for two years in private practice in Sydney followed by a medical internship at the University of Melbourne after which he was awarded an MVS and obtained membership of the ACVSc (Feline Medicine). Steven then undertook an internal medicine residency at the University of Florida followed by two years as a clinical instructor. In 1990 he became a diplomate of the ACVIM (SAM). He worked in an internal medicine referral practice in Pittsburgh, Pennsylvania in 1992 and then returned to Australia in 1994.

Steven was awarded a PhD from the University of Melbourne in 1998. Steven has lectured in Veterinary Virology at the University of Sydney in 1998 and was a Senior Lecturer and Associate Professor of Small Animal Medicine at the University of Melbourne in 1999-2009. He is currently a registered specialist in small animal medicine and works at Advanced Vetcare in Melbourne. His interests include clinical and genetic aspects of disease and the interaction between infectious diseases and the host immune response.

Andrew Mackin is currently Professor and Head of the Department of Clinical Sciences at Mississippi State University. Andrew is a 1983 graduate of Murdoch University and after graduation completed an internship and residency in small animal medicine at the University of Melbourne, followed by an internal medicine residency at the Ontario Veterinary College. Andrew became a Fellow of the ANZCVSc in 1993, and a Diplomate of the American College of Veterinary Internal Medicine in 1994. Andrew has a clinical and research focus on hematology, hemostasis, immunosuppressive therapy and transfusion medicine. In 2006, he received the Carl Norden-Pfizer Distinguished Teacher Award and, in 2010, the MSU-CVM Dean’s Pegasus Award.

Michael graduated from Queensland University in 1984 and has worked in a number of different private practices and industry positions. In 1995 he started a residency at the Animal Skin and Allergy Clinic in Melbourne, with additional periods of study at the University of California, Davis and Louisiana State University, Baton Rouge. Mike is a Fellow of the Australian and New Zealand College of Veterinary Scientists (Veterinary/Animal Dermatology) and a Diplomate of the American College of Veterinary Dermatology. He has published in Australia and overseas and has presented / lectured in Australia, New Zealand, North America and South-East Asia. He is currently the President of the Dermatology chapter of the ANZCVS, Principle Dermatologist of a private practice Dermatology Referral Service, and Adjunct Professor at the University of Queensland.

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Special room rates

Crowne Plaza Queenstown is offering a discounted room rate for those who plan to stay through the duration of the conference.

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<td>Mountain view</td>
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You will receive the discount code once you have registered in the conference.

Register online

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1. Registrant details

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2. Registration type

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Member* includes: Practice, Professional & Academic members.


3. Payment

Credit card: □ Visa □ Mastercard □ AMEX

Amount authorised to charge: $.............................................

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