



26th July 2024

Ceva cross-talk Symposium:

“ **Exploring the Parallels:  
Insights from Human Pediatric Dermatology  
for the Management of Canine Atopic Dermatitis** ”

Take home messages





# FOREWORD

**Dear Doctor,**

A parallel evolutionary journey unites humans and dogs in adaptation, companionship and survival. But beyond mutual companionship and a shared evolutionary journey, there are remarkable similarities between our two species...some of which may surprise you.

*What do humans, dogs and atopic dermatitis have in common?*

The chronic, inflammatory skin condition, atopic dermatitis, shares similarities in its pathophysiology and clinical expression between dogs and humans. The symptoms of this condition are well known to significantly impact the quality of life for both species, causing discomfort and secondary infections. These parallels are not merely coincidental; they hold the key to enhancing our understanding of the disease mechanisms and improving therapeutic strategies in both species.

This symposium explores the shared attributes of atopic dermatitis in dogs and humans. Globally renowned experts in human and veterinary atopic dermatitis will present and discuss genetic associated markers, the role of the skin barrier, the impact of caregiver adherence to treatment protocols and the vital role of topical therapy in the management of atopic dermatitis.

This crucial therapy provides immediate relief from itching and inflammation, helps restore the skin barrier, and delivers targeted treatment directly to affected areas. In children, regular use of topical therapy has been shown to prevent flare-ups and minimize the need for systemic medications<sup>1</sup>.

*What can we learn from our human counterparts regarding topical therapy in atopic dermatitis? How does this impact patient outcomes and what are the inherent challenges in veterinary medicine?*

This symposium aims to answer these questions and more-offering valuable and clinically relevant insights for your daily practice. You will emerge with a better understanding of the rationale behind the recommendation to adopt a multimodal approach to atopic dermatitis treatment.

It is our sincere hope that this symposium provides you with knowledge that will contribute to better health outcomes and an improved quality of life for patients suffering from atopic dermatitis, regardless of whether they have two legs or four.

Thank you very much for your kind attention and attendance.

Sincerely



**Alicia Cózar - DVM,  
Acred.AVEPADerm  
Corporate Technical Manager  
Dermatology - Ceva**



**Susanne A. Heartsill - DVM,  
DABVP (Canine and Feline)  
Director, Companion Animal  
Veterinary Services - Ceva US**



<sup>1</sup>Lio PA, Lee M, LeBovidge J, Timmons KG, Schneider L. Clinical management of atopic dermatitis: practical highlights and updates from the atopic dermatitis practice parameter 2012. J Allergy Clin Immunol Pract. 2014;2(4):361-370. doi:10.1016/j.jaip.2014.02.015  
This paper mentions topical therapy for patients in general.



## MEET OUR SPEAKERS



### **Dr. Peter A. Lio - MD**

**Pediatric Dermatologist & Medical Dermatologist  
River North, Chicago**

Peter A. Lio, MD is a Clinical Assistant Professor of Dermatology & Pediatrics at Northwestern University Feinberg School of Medicine, a Fellow of the American Academy of Dermatology, and a Diplomate of the American Board of Dermatology (board-certified in Dermatology). Dr. Lio received his medical degree from Harvard Medical School, completed his internship in Pediatrics at Boston Children's Hospital, and his Dermatology training at Harvard where he served as Chief Resident in Dermatology. While at Harvard, he received formal training in acupuncture.

### **Dr. Amelia G. White - DVM, MS, DACVD**

**Associate Clinical Professor of Dermatology  
Auburn University College of Veterinary Medicine**



Dr. Amelia G. White received her DVM from the University of Georgia in 2010 followed by a one-year rotating internship in Small Animal Medicine and Surgery at Auburn University. She completed a three-year Dermatology residency and Master's degree at the University of Illinois in 2014. Dr. White became a diplomate of the American College of Veterinary Dermatology in 2014, and is currently an Associate Clinical Professor of Dermatology at Auburn University College of Veterinary Medicine. She has authored or contributed to several abstracts, case reports, primary research, and book chapters. She teaches the integument and communications skills courses at Auburn University, and her interests include allergic skin and ear diseases, infectious diseases, and student mental health and wellbeing.



### **Prof. Lluís Ferrer - Dipl. ECVD, DVM, PhD**

**Professor of Veterinary Dermatology  
Universitat Autònoma de Barcelona**

Lluís Ferrer obtained his DVM degree in 1981 and a PhD in 1985 at the University of Zaragoza (Spain), followed by a Master in Animal Pathology in 1983 at the Veterinary School of Hannover (Germany). In 1994 he became a Board-Certified Dermatologist by the European College of Veterinary Dermatology. Since 1985 he has been lecturing Pathology and Dermatology at the Veterinary School of the Universitat Autònoma de Barcelona (UAB), in Spain, where he has also been Dean of the Veterinary School (1992-1998), then Vice-rector for Research (1998-2002) and Rector of the University. Between 2012 and 2017 he was Professor of Dermatology at the Cummings School of Veterinary Medicine at Tufts University, in North Grafton (USA) before coming back to the UAB. Among other topics, his investigations have been focused on cutaneous infections (canine leishmaniosis, demodicosis, staphylococcal pyoderma), canine atopic dermatitis, canine perianal furunculosis, and on the genetic background of skin diseases.







# COMPLIANCE



**Dr. Peter A. Lio**

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- Adherence: “the process by which patients take their medications as prescribed”.
- 3 parts: initiation, implementation, and discontinuation.
- WHO: non-adherence to medications is a “worldwide problem of striking magnitude”.
- Can result in negative health outcomes and increase costs.
- Once-only dosing would ensure maximum adherence (as in STI therapy), but generally not feasible for chronic inflammatory conditions.
- More practically, once daily application for topicals is likely better than twice daily (when possible).
- Adherence to topical treatment increases around clinical visits, so close follow-up may be effective.
- Choosing cosmetically elegant products may make a real difference in outcomes.

**Prof. Lluís Ferrer**



- Compliance is key in the management of CAD due to: (1) Treatment is long-term (2) Treatment is multimodal and complex (3) The frequent changes are perceived as “trial and error”.
- Although topical treatments are considered safer by pet guardians, there are some barriers to their use (e.g. time-consuming).
- New-generation topical products are available that allow effective and safe topical treatment and minimize the difficulties of use.



**Dr. Amelia G. White**

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- There are numerous barriers to topical therapeutic management of AD in veterinary dermatology which may be pet-owner or patient dependent.
- Pet-owner dependent variables may include finances, care-giver burden, physical and intellectual capability, time, access to required resources (e.g., water, tubs/shower, topical products) and adherence.
- Patient dependent variables may include haircoat type, patient tolerability, contact reactions, lesion extent and severity, control of the primary disease process, and secondary skin infections (e.g., *Malassezia*, bacterial).
- Client communication is key to ensure good outcomes with topical therapy.
- Adjusting topical therapy plans dependent on the skin conditions is important to maintain long-term control (e.g., infection control, skin barrier repair, reduction of inflammation).



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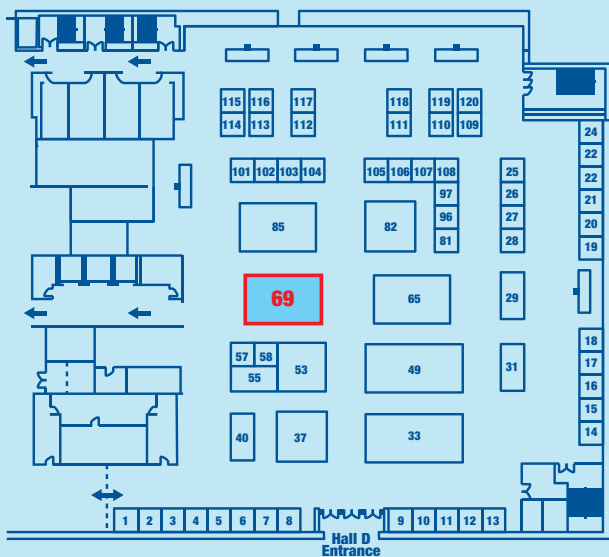
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Want to extend the Symposium experience and learn more about the fascinating parallels between pet and childhood allergies?

Come meet our team of technical vets, delve into insightful discussions, and boost your curiosity!

**From Saturday, 27th to Monday, 29th  
Booth #69**

Bring your voucher to get your **FREE GIFT!**

