

2011 ACVB/AVSAB VETERINARY BEHAVIOR SYMPOSIUM

In cooperation with the
American College of Veterinary Behaviorists
and the
American Veterinary Society of Animal Behavior



ST. LOUIS, MISSOURI · JULY 15, 2011

Schedule of Events

2011 ACVB/AVSAB Scientific Program • Friday, July 15, 2011 • St. Louis, MO

Time	Title of Presentation	Speaker
8: 15-8:30	WELCOME	Drs. Karen Sueda and Jacqui Neilson
<i>Morning Scientific Session — Sponsored by Premier Pet Products</i>		
8:30-8:45	Harmonease [®] Chewable Tablets reduces noise induced fear and anxiety in a laboratory canine thunderstorm simulation: a blinded and placebo controlled study	Dr. Theresa DePorter
8:45-9:00	The interest of the use of feline interdigital semiochemical (ScratchyLicious [®]) to induce scratching behaviour in cat	Dr. Alessandro Cozzi
9:00-9:15	Litter Preference in Cats: Scented vs. Unscented	Dr. Jacqueline Neilson
9:15-10:15	Breakfast and Poster Session — Sponsored by Premier Pet Products	
10:15-10:45	AVSAB Student Award: Sponsored by Premier Pet Products Owner Attachment and Problem Behaviors Related to Relinquishment and Training Techniques	Jennifer Kwan
10:45-11:00	Validation and Reliability Testing of a Feline Osteoarthritis Pain Scale for Use by Veterinarians	Dr. Mary Klinck
11:00-11:15	Evaluation of two food delivery toys as enrichment for dogs in an urban municipal animal shelter	Dr. Margaret Gruen
11:15-11:30	Do you think I ate it? Owner perceptions and behavioral assessment of the “guilty look” in dogs	Julie Hecht
11:30-11:45	SVBT Award Paper Veterinarians and Dog Trainers: The Current Relationship	Julie Shaw
11:45-12:15	R. K. Anderson Resident Award Paper: Sponsored by Premier Pet Products Incidence of Parvovirus in Puppies Attending Puppy Socialization Classes	Dr. Meredith Stepita
12:15-1:15	Lunch — Sponsored by Elanco	
<i>Afternoon Scientific Session — Sponsored by Elanco</i>		
1:15-1:30	Case example of feline pheromone collar to improve social interaction in a cat	Debbie Gass
1:30-1:45	Environmental Enrichment for the Veterinary Patient	Sherrie Yuschak
1:45-2:00	Age and Cognitive Function in the Domestic Cat	Dr. Gary Landsberg
2:00-2:15	Teaching old dogs new tricks...it is possible with the help of Medium Chain Triglyceride Supplementation!	Dr. Jill Cline
2:15-2:30	Effect of Apoaequorin on Cognitive Function in Aged Canines	Dr. Gary Landsberg
2:30-3:00	Refreshment Break — Sponsored by Virbac Animal Health	
3:00-3:15	Evidence of stress thanks to physiological indicators during a cognitive test in horses	Dr. Patrick Pageat
3:15-3:30	Association of the Consideration of Euthanasia or Rehoming with Behavioral Outcome	Siricusa
3:30-3:45	Survey To Assess Health Related Quality Of Life (HrQoL) In Small Animal Cancer Patients Treated With Chemotherapy	Dr. Maria Ililopoulou

(continued next page)

3:45-4:00	Specialty experience, priorities, and satisfaction levels of clients of a veterinary behavior practice in a referral hospital setting	Dr. Meghan Herron
4:00-4:15	How I treat “just about anything!”	Dr. Lori Gaskins
4:15-4:30	What Smells: Using Nosework™ as part of behavior modification protocols	Dr. Valli Parthasarathy
4:30-4:45	How I approach diet, nutrition and behavior	Dr. Marsha Reich
5:00	AVSAB Annual General Meeting	

Posters

Poster	Thyroid parameters and cholesterol levels in dogs with behavior problems and behavior disorders	Dr. Angela Bartels
Poster	Management of excessive “reproductive behavior” in a hyacinth macaw (<i>Anodorhynchus hyacinthinus</i>) utilizing functional assessment and intervention design	Dr. Leigh Ann Clayton
Poster	Aging and Imaging Based Neuropathology in the Cat	Dr. Sagi Denenberg
Poster	Behavioural studies on the use of open water systems by mink (<i>Neovison vison</i>)	Dr. Elke Heyn
Poster	Thunderstorm fears and phobias in Australian dogs- demographic data and perceived efficacy of treatment options	Dr. Kersti Seksel
Poster	The effect of variable feedign trials on activity, animal welfare, and management sustainability in captive black rhinoceroses (<i>Diceros bicornis</i>): A pilot study.	Josephine Byrk

The Effect of Variable Feeding Trials on Activity, Animal Welfare, and Management Sustainability In Captive Black Rhinoceroses (*Diceros Bicornis*): A Pilot Study

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Black rhinoceroses in captivity are more prone to a sedentary lifestyle which may contribute to an increased occurrence of metabolic disorders. This study hypothesized that a variable feeding schedule would increase activity levels in a group of 3 rhinoceroses housed at the Cleveland Metroparks Zoo with no negative impacts on animal welfare and could be easily achieved in a keeper's work day. Behavioral data demonstrated differences in activity budget between a predictable and a variable feeding schedule, i.e. rhinos increased (Ha: $\text{diff} > 0$ if $\text{Pr}(T > t)$; 0.9942) time spent resting and eating by 11.40018%, and increased time (Ha: $\text{diff} = 0$ $\text{Pr}(T < t)$; 0.0973) resting without eating or drinking by 1.806585%. However, these differences did not describe a change in total activity. Descriptive analysis revealed that the rhinos decreased their preference for a specific yard from 89% to 66% when variable feeding was offered in that yard. Behavioral data demonstrated that the rhinos did not spend significantly more time (Ha: $\text{diff} < 0$ if $\text{Pr}(T < t)$; 0.9514) pacing before a variable feeding (1.806585%) than after a variable feeding (0%). There was no difference (Ha: $\text{diff} = 0$ if $|T| > |t|$; $1.9774 > 0.00079705$) in mean daily fecal corticosterone concentration from a predictable to a variable feeding schedule. Keepers reported that the variable feeding protocol required 30-60 minutes of keeper time daily. These findings suggest that a captive black rhino variable feeding protocol does not increase activity, has minimal negative effects on animal welfare, and can be accomplished in addition to the normal duties of a keeper.