New York State Veterinary Conference

NEW YORK STATE
Veterinary Conference
2011
September 29 - October 2, Ithaca

Hosted by the

New York State Veterinary Medical Society
and
Cornell University College of Veterinary Medicine

Thursday, September 29 - Sunday, October 2, 2011

Ithaca, NY

NYS-VC Planning Committee

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New York State Veterinary Conference

Hosted by the New York State Veterinary Medical Society and Cornell University College of Veterinary Medicine

Thursday, September 29 - Sunday, October 2, 2011

Dear Colleague:

Join us for the fourth annual New York State Veterinary Conference (NYS-VC), hosted by the New York State Veterinary Medical Society (NYSVMS) and Cornell University College of Veterinary Medicine, in Ithaca, NY. The conference will feature outstanding speakers presenting lectures and labs, exhibits of veterinary products and services, festive opportunities to network at events like the traditional Purple Party and Silent Auction on Friday evening, and a Conference Celebration Dinner on Saturday evening.

The Silent Auction benefits veterinary student scholarships and the NYSVMS Political Education Committee, an important part of our veterinary advocacy. Please consider donating something to the auction and attending to bid on one or more of the items! We are pleased to share that we have re-imagined the Saturday evening awards ceremony. This year's Celebration Dinner is sure to be a relaxing event with brief presentations to honor award recipients from NYSVMS and the Cornell Alumni Association, followed by dancing to music provided by a local DJ.

We thank our sponsors and exhibitors for their support of this meeting again this year. Their support is crucial to keeping attendance fees affordable. Without their participation, your registration fees would be much higher; we encourage you to visit with each one of them at the conference to thank them for their support.

The online registration form can be accessed at www.vet.cornell.edu/events, or you can complete the registration form in this packet and mail it to NYSVMS at the address listed on the form. Take advantage of early registration and register by September 15 at discounted registration fees.

We look forward to seeing you in Ithaca from September 29 to October 2, 2011!

Earn 22 Hours of RACE-Approved Continuing Education

The NYS-VC offers 145 hours of continuing education in three days. The total numbers of C.E. hours per day are as follows: Friday-7; Saturday-8; Sunday-7.

This conference has been submitted (but not yet approved) for 22 hours of continuing education credit in jurisdictions that recognize AAVSB RACE approval; however, participants should be aware that some state veterinary boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Call Amanda Mott at (607) 253-3200 for further information.

RACE certificates will be mailed to registrants after the conference.

CE	Fri. 9/30	Sat. 10/1	Sun. 10/2	TOTAL C.E. Hours
Companion Animal	31	29	22	82
Practice Management	6	-	1	7
Regulatory	3	2	-	5
Bovine	3	5	-	8
Equine	7	8	0	15
Small Ruminant	-	8	7	15
Veterinary Technician	-	8	5	13
Total CE Hours	50	60	35	145

Maximum total CE hours for one person to receive is 22. That includes the 2 extra lectures on Sunday.

Conference Information

NYS-VC Registration
Online registration for those paying by credit card is available at www.vet.cornell.edu/events A paper registration form is printed on pages 5-6 of this booklet. Paper registration forms with credit card information can be faxed to the NYSVMS, (518) 437-0957. Registrations paid by check should be mailed to NYSVMS, Attn: NYS-VC, 9 Highland Avenue, Albany, NY 12205.

Certain labs have limits on the number of registrants because of equipment and space limitations; register early to guarantee you can get into every session you want to attend. NYS-VC registrations received by September 15 qualify for the discounted early registration fee. Advance registration is strongly encouraged! Avoid long lines at the onsite registration desk, improve your chances of admission to labs with limited space, and SAVE money!

Full conference registration includes attendance at all lectures and labs, refreshment breaks, lunch on Friday and Saturday, brunch on Sunday, the Purple Party and Silent Auction on Friday evening (with one free drink ticket), the NYSVMS Annual Business Meeting breakfast on Saturday (NYSVMS members only), and admittance to all exhibit areas.

NYS-VC registration will be held in the Centennial Room on the second floor of the College; there will be signs at the entrance doors directing you to registration. Please check in when you arrive to receive your name badge, tickets, and conference material.

Spouse/Guest Registration
Spouse and guest registration includes a name badge, refreshment breaks, admittance to the exhibit areas, and the Purple Party and Silent Auction on Friday evening. Spouse/guest registration does not include admittance to lectures or labs, lunches, or a complimentary Purple Party drink ticket. Veterinarians and Veterinary Technicians may not register as spouses or guests.

Registration Desk Hours

Thursday, 9/29:	6:00 p.m. - 8:00 p.m.
Friday, 9/30:	7:45 a.m. - 5:00 p.m.
Saturday, 10/1:	7:45 a.m. - 5:00 p.m.
Sunday,10/2:	8:00 a.m. - 3:00 p.m.

Parking Permits
A permit to park at the College is required only for Friday parking; Saturday and Sunday parking is free. You can purchase a Friday parking permit on the registration form for $5; the permit will be mailed to you before the conference begins. Parking permits are limited, and will be sold to the first 160 registrants requesting a permit. If parking permits sell out, additional parking can be obtained by purchasing a $10 visitor parking permit on campus at any of the visitor booths (located on Campus, Tower or Hoy Roads). Shuttle service from any of the hotels listed in the program to the college is also available.

Continuing Education
Lectures and labs held at the NYS-VC will meet the requirements of New York's new mandatory CE law for the veterinary professions, and NYS-licensed veterinarians and LVTs can claim CE credits for attendance at lectures and labs attended at the NYS-VC. When the law goes into effect on January 1, 2012, all veterinarians and LVTs re-registering with NYSED must certify completion of the appropriate number of CE hours. As the law phases in, the number of hours are apportioned by month, and the list of CE hours required from 2012-2014 are available on NYSVMS.org. NYS will accept Practice Management CE as part of the overall CE requirement, but Practice Management courses cannot be greater than 20% of the total required number of CE hours. When the CE requirement is fully phased-in in January 2015, every veterinarian and LVT must complete at least 2 credit hours of CE in controlled substance lectures.

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Hotel Information

Make Your Hotel Reservations Quickly
Blocks of overnight rooms have been reserved at the Ithaca hotels listed below. Please contact the hotel directly and tell them you're attending the New York State Veterinary Conference. Please make your hotel reservations as soon as possible as our room blocks will fill up very quickly.

A detailed chart of hotel information and amenities is available at the conference webpage: http://www.vet.cornell.edu/education/Conferences/NYSVetConf/docs/Hotelinformationfor2011.pdf

Courtyard by Marriott Ithaca
Conference Headquarters Hotel
29 Thornwood Drive, Ithaca, NY 14850
607-330-1000
www.marriott.com
$149 on Thursday and Sunday
$179 on Friday and Saturday
Shuttle to/from CVM: 7:00am-11:00pm upon request

Best Western University Inn
1020 Ellis Hollow Road, Ithaca, NY 14850
607-272-6100 or 800-937-8376
www.BestWesternUniversityInnIthaca.com
$149.00 Single/Double
Shuttle to/from CVM: 7:00am-10:45pm upon request

Hampton Inn
337 Elmira Road, Ithaca, NY 14850
607-277-5500
www.ithaca.hamptoninn.com
$109 Single King/Double Queen
No shuttle service

Hilton Garden Inn
130 E. Seneca Street, Ithaca, NY 14850
607-277-8900
www.ithaca.stayhgi.com
$169/$239
Shuttle to/from CVM: 7:30am-10:30 on the hour and half hour, upon request

Holiday Inn Ithaca - Downtown
222 South Cayuga Street, Ithaca, NY 14850
607-272-1000
www.ichotelsgroup.com
$119 Main Building Queen/King
Shuttle to/from CVM: 24-hour service to CU/airport, upon request

Homewood Suites by Hilton
36 Cinema Drive, Ithaca, NY 14850
607-266-0000
www.HomewoodSuites1.hilton.com
$139 Studio/1 bedroom
Shuttle to/from CVM: 7:30am-9:30pm

Ramada Inn Ithaca
2310 N. Triphammer Road, Ithaca, NY 14850
607-257-4425
www.ramada.com
$99.95 on Thursday and Sunday
$129.95 on Friday and Saturday
Shuttle to/from CVM: 8:00am-10:00pm upon request

Conference Information *continued from page 3*

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A RACE Certificate of Attendance will be mailed to registrants after the conference. You must sign in at the registration desk to receive your RACE certificate.

Proceedings
Conference speaker papers will be available online after September 1, and registrants will be advised how to access them after their registration form and payment have been received. You can also purchase a printed copy of the Conference Proceedings. Advance purchase, on your registration form, is $50, and will be delivered to you at the registration desk. A limited number of printed Proceedings will be available onsite for $75.

Exhibits
We thank our sponsors and exhibitors for their support of our meeting. Registrants are encouraged to visit every exhibit table and thank representatives for attending the NYS-VC. Exhibits will be open at the following times:

Friday, September 30:	9:00 a.m. - 5:00 p.m.
Saturday, October 1:	8:30 a.m. - 5:00 p.m.
Sunday, October 2:	8:30 a.m. - 12:00 p.m.

Welcome Reception
The conference begins with a welcome reception on Thursday evening from 6:00-8:00 p.m. in the Gallery, just outside the Centennial Room where conference registration is located. Join us at the reception to greet friends and colleagues and enjoy some light refreshments after you pick up your registration materials in the Centennial Room.

Friday's Purple Party and Silent Auction
The Purple Party celebrates the NYS-VC partnership between the NYSVMS and the College. This partnership is reflected in the NYS-VC logo and the prominent use of the color purple. Why purple? Because when the red of Cornell's logo and the blue of the NYSVMS logo are blended, the two colors become one color – PURPLE!

NYS-VC registrants and exhibitors are invited to the Silent Auction and Purple Party on Friday, September 30, at 5:00 p.m. in the New York State Veterinary Diagnostic Laboratory.

At the Purple Party, you will enjoy a selection of food and drinks, and music by the Ultrasound, the veterinary college student a cappella group. Be sure to bid on some of the beautiful, historic and fun items available in the Silent Auction!

Monies raised at the Silent Auction benefit the NYSVMS scholarship, awarded annually to a veterinary student at Cornell, and NYSVMS legislative advocacy through the veterinary Political Education Committee. The NYSVMS scholarship was established in 1994 as a permanently-endowed scholarship at Cornell University. The scholarship "provides tuition assistance to New York State residents who are third- or fourth-year students, and interested in organized veterinary medicine."

Contact NYSVMS headquarters or Dr. Susan Wylegala, chairwoman of the Silent Auction, and let us know what YOU can donate! Dr. Wylegala can be contacted at vetdocsue@aol.com

Scholarship Recipients
1999-2000 - Michael Capel, Melissa Carlson and Stephanie (Konsker) Karpf
2000-2001 - Carol Phillips
2001-2002 - Todd Bishop
2002-2003 - Hilda Mitchell
2003-2004 - Sara Gower
2004-2005 - Colleen MacLachlan
2005-2006 - Amber Ball
2006-2007 - Erin Goodrich
2007-2008 - Steven Friedenberg
2008-2009 - Jeremy Salvatore
2009-2010 - Marina Tejada
2010-2011 - Heather Vaught

NYSVMS Annual Business Meeting
Registrants who are members of NYSVMS will receive a complimentary ticket to breakfast at the NYSVMS Annual Business Meeting on Saturday, October 1, held in the cafeteria at the veterinary college. The meeting will be called to order by NYSVMS President Eric Bregman, VMD, at 7:30 a.m.

NYSVMS members are encouraged to attend the business meeting and learn about the new CE requirements that will take effect January 1, 2012, and about other issues that affect veterinary practice in New York State.

Every NYSVMS member who attends will receive a raffle ticket, and one lucky member present when the drawing is held will receive FREE 2012 NYSVMS membership dues!

Celebration Dinner at Celebrations!
The NYSVMS and the Cornell Veterinary Alumni Association will host a party to celebrate award recipients and then will dance the night away on Saturday evening at Celebrations Banquet Hall. The Celebration Dinner will begin with complimentary wine and local craft beer at 6:00 p.m, followed by a buffet dinner at 6:45. Shuttle transportation from the parking lot outside the conference to Celebrations will begin at 5:45 p.m. and return, beginning at 10:00 p.m.

Celebration Putting Contest and 50/50 Raffle
Join in the fun and competition by entering the putting contest that will be held during the Celebration dinner, or by taking your chances on the 50/50 raffle. Proceeds from both events will once again benefit the NYSVMS scholarship, awarded annually to a veterinary student at the college, and the NYSVMS Political Education Committee.

Thank You SPONSORS
of the 2011 NYS-VC!

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Cornell - Feline Health Center
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NYS Veterinary Conference Registration Form

Register online at www.vet.cornell.edu/events

1. **REGISTRANT**

Registrant's name_____
[ ]DVM [ ]VMD [ ]LVT [ ]Other

Name for badge_____

Please check one:
[ ]SA [ ]LA [ ]EQ [ ]Academic [ ]Student [ ]Other_____

Address_____

City_____

State_____Zip_____

Telephone_____Fax_____

Email_____
required for confirmation

College_____Year of Graduation_____

NYSVMS Regional_____

Spouse/Guest Name for Badge_____

Please advise us of any dietary, mobility, or other special needs you may have.
_____

2. **FULL CONFERENCE REGISTRATION**

Includes name badge, welcome reception, scientific seminars, online proceedings, 2 continental breakfasts, 2 lunches, Purple Party (with one party drink ticket), Sunday brunch, and the NYSVMS business meeting (members only).

	Postmarked before 9/15/11	Postmarked after 9/16/11
[ ] NYSVMS Active/Associate Member	$395	$445
[ ] NYSVMS Life/Retired/Distinguished Member	$175	$225
[ ] Non-NYSVMS Member Veterinarian	$495	$545
[ ] 2011, 2010, 2009 Veterinary Graduate	$175	$225
[ ] Veterinary Tech., Practice Mgr., Office Staff	$175	$225

TOTAL FULL CONFERENCE REGISTRATION: $_____

3. **ONE-DAY AND WEEKEND REGISTRATION**

Do **not** register here if you've registered for the full conference. Attendees registering for the two-day equine track, or the bovine track, should register at the Full Conference registration rate.

Daily Registration includes name badge, scientific seminars, exhibits, refreshment breaks and lunch for the day registered, and online Proceedings. Please check the day(s) you will attend the NYS-VC.

	Postmarked before 9/15/11	Postmarked after 9/16/11
[ ] Thursday, September 29 (includes Welcome Reception)	$20	$20
[ ] Friday, September 30 (includes lunch and Purple Party)	$250	$300
[ ] Saturday, October 1 (includes lunch)	$250	$300
[ ] Sunday, October 2 (includes brunch and two additional lectures)	$220	$270
[ ] Weekend registration (Saturday and Sunday registration)	$300	$350

TOTAL CONFERENCE REGISTRATION: $_____

4. **FRIDAY PARKING PERMIT**

A permit to park at the College is required for Friday, September 30, only. Parking permits will be mailed to registrants prior to the conference.

[ ] B-Lot permit - $5.00, tax included.

TOTAL PARKING PERMIT $_____

5. **SPOUSE/GUEST/STUDENT CONFERENCE REGISTRATION**

[ ] Spouse/Guest (includes name badge, refreshment beaks, Purple Party) $40

[ ] Cornell Veterinary College Student (includes attendance at C.E. when space permits and online Proceedings) Complimentary

TOTAL SPOUSE/GUEST/STUDENT REGISTRATION: $_____

6. **PROCEEDINGS**

Registrants will receive an email on September 1 with instructions on how to access the online Conference Proceedings. Printed copies of the 2011 NYS Veterinary Conference Proceedings are available for $50 each when you order early and pick them up at the registration desk. A limited number of printed proceedings will be available on-site for $75 each.

TOTAL PRINTED PROCEEDINGS: #_____X $50 = $_____

7. **LUNCH and BRUNCH TICKETS FOR GUESTS AND STUDENTS**

(Lunch is included in Full Conference and Daily Registration fees)
Lunch tickets for Friday and Saturday will be included in on-site meeting packets of Full Conference registrants and Daily registrants. Meal tickets must be presented at each meal function. Spouses, guests, and Cornell students must purchase lunch tickets.

TOTAL FRIDAY LUNCH: #_____X $15 = $_____
TOTAL SATURDAY LUNCH: #_____X $15 = $_____
TOTAL SUNDAY BRUNCH: #_____X $15 = $_____

8. **NYSVMS ANNUAL BUSINESS MEETING**

Attendance is limited to NYSVMS members in good standing. Members must register below to receive an attendance ticket in their onsite meeting packet. Breakfast will be served.

[ ] Yes, I will attend the NYSVMS annual business meeting on Saturday morning.

9. **CONFERENCE CELEBRATION, OCTOBER 1**

On Saturday evening, drink (wine and local beer), dine, and dance at a new venue with a relaxed atmosphere. Casual attire. Brief award presentation. Reception includes complimentary draft beer and wine. There will be a complimentary shuttle available from the College to the Conference Celebration. Please preregister to reserve space.
Reception: 6:00 p.m. Dinner: 6:45 p.m.

TOTAL BANQUET: #_____X $50 = $_____

[ ] Yes, I would like to take the shuttle to/from the Conference Celebration.

10. **GRAND TOTAL ENCLOSED** $_____

Completed registrations forms can be faxed to 518-437-0957 or mailed with your credit card information or check made payable to the NYSVMS to:
NYSVMS, 9 Highland Avenue, Albany, NY 12205-5417

Please charge my
[ ] Visa [ ] MasterCard [ ] Discover [ ] American Express

Card #_____

Expiration Date_____CVV Code_____

Zip code of billing address_____

(continued on reverse)

Cancellation policy: To cancel your registration call 518-437-0787 or 607-253-3200. Your fee, less $50 processing fee, will be refunded until September 15, 2011. After September 15 you will be refunded 50% of your registration. No refunds will be issued after September 28 or for failure to attend.

LABORATORIES

Limited space is available for each of the following labs. Please check the program(s) you would like to attend. Registration is accepted on a first-come, first-serve basis. Registrants will receive an attendance ticket in on-site registration materials.

Friday

[ ] 2:30-5:00 p.m. Hematology in an Emergency Setting, The Value of the Blood Smear Exam
Lab limited to 50 veterinarians.

Saturday

[ ]1:00-2:50 p.m. - Emergency Procedures for Companion Animals
Lab limited to 18 veterinarians. If lab fills we will open an additional lab 3:10-5:00 p.m.

Sunday

[ ] 8:00-10:00 a.m - Small Ruminant Parasitology Lab.
Lab limited to 50 veterinarians and veterinary technicians.
[ ] 9:00 – 10:50 a.m. - Intraoral Radiology Wetlab -- Lab limited to 10 veterinary technicians.
[ ] 10:00 - 1:00 p.m. - Heartworm: Methods for Diagnosis (Clinical, Serological, and Molecular) Lab limited to 50 veterinarians and veterinary technicians.
[ ] 11:10 – 1:00 p.m. - CPR Lab: An Interactive, simulation-based approach -- Lab limited to 20 veterinary technicians.
[ ] 11:10-1:00 p.m. - Musculoskeletal Radiography -- Lab limited to 50 veterinarians.

10. WHERE WILL YOU BE?

Please check the event and classes/program you plan to attend to help give us an estimate of attendance. The complete list of titles and speakers can be found in the registration brochure and online at www.vet.cornell.edu/events.

Thursday, September 29 6:00-8:00 p.m.
[ ] Conference Registration and Welcome Reception

Friday, September 30
[ ] Bovine Program
[ ] Equine Program

Companion Animal Program
8:00 – 8:50 am
[ ] The Clinical Approach to Respiratory Distress – Dr. Reinero
[ ] Canine Lyme Disease – Dr. Goldstein
[ ] Negotiating with Co-workers – Dr. Smith – Practice Management
[ ] Liver Disease in Birds – Dr. Morrisey

8:00 – 9:50 am
[ ] Ecology and Control of Ticks in New England – Dr. Dryden

9:00 – 9:50 am
[ ] Chronic Bronchitis – Dr. Reinero
[ ] Canine Lyme Nephritis – Where are we today? – Dr. Goldstein
[ ] Negotiating with Clients – Dr. Smith – Practice Management
[ ] Practical Approach to the Diagnosis of Neuromuscular Diseases – Dr. Shelton

10:10 – 11:00 am
[ ] Subclinical Inflammation in Lower Airway Diseases of Dogs and Cats – Dr. Reinero
[ ] Renal Colonization in Canine Leptospirosis – Dr. Goldstein
[ ] Creating Value – Dr. Smith – Practice Management
[ ] Myasthenia Gravis and Disorders of Neuromuscular Transmission – Dr. Shelton

10:10 – 12:00 p.m.
[ ] Elucidation of Flea Biology and the Persistent Flea Infestation – Dr. Dryden

11:10 – 12:00 p.m.
[ ] Clinical Consequences of Immune Dysregulation in the Lung – Dr. Reinero
[ ] Early Diagnosis of Lyme Disease in Dogs – Dr. Wagner
[ ] Generation, Personality and Style at Work – Dr. Smith – Practice Management
[ ] Muscular Dystrophy and Congenital Myopathies – Dr. Shelton

1:30 – 2:20 p.m.
[ ] Feline Asthma – Dr. Reinero – James R. Richards Memorial Lecture
[ ] Copper Hepatotoxicosis – Dr. Center
[ ] Maximizing Your Clinical Pathology Results – Dr. Schaefer
[ ] Endocrine Myopathies: That stiff senior dog! – Dr. Shelton

1:30 – 3:20 p.m.
[ ] Flea Control: Real Homes, Real Problems, Real Answers – Dr. Dryden

2:30 – 3:20 p.m.
[ ] Collection and Interpretation of Respiratory Cytologic Samples – Dr. Reinero
[ ] Pearls You Should Know Regarding Disorders of the Biliary System in the Dog – Dr. Center
[ ] Myositis: Autoimmune, infectious, paraneoplastic? – Dr. Shelton

4:10 – 5:00 p.m.
[ ] Interstitial Lung Diseases – Dr. Reinero
[ ] Canine Heartworm update – Dr. Dryden
[ ] Feline Biliary Disorders – Dr. Center
[ ] Peripheral Neuropathies: Just the Tip of the Iceberg – Dr. Shelton

5:00 – 7:30 p.m.
[ ] Purple Party and Silent Auction

Saturday, October 1
[ ] Bovine Program
[ ] Equine Program
[ ] Camelid & Small Ruminant Program
[ ] Veterinary Technician Program

Companion Animal Program
8:00 – 8:50 am
[ ] Canine Pemphigus 2011 – Dr. Scott
[ ] Treatment of Canine IMHA: What's the Evidence? – Drs. Rogers and Brooks

8:00 – 9:50 am
[ ] Swallowing Disorders in Dogs – More Common Than You Think! – Dr. Marks
[ ] NYS Controlled Substance Law Update for Veterinarians – Hotaling and Dewey

9:00 – 9:50 am
[ ] Canine "Pemphigold" 2011 – Dr. Scott
[ ] Do's and Don'ts of Platelet Transfusion – Dr. Schoeffler

10:10 – 11:00 am
[ ] Canine Lupus Erythematosus 2011 – Dr. Scott
[ ] How to Diagnose and Manage Protein-Losing Enteropathies – Dr. Marks
[ ] Infectious Hepatopathies – Dr. Webster
[ ] "Ouch! Bugs, Bees and Vaccines" – Dr. Rogers

11:10 – 12:00 p.m.
[ ] Art of Elimination Diet – Dr. Wakshlag
[ ] Inflammatory Bowel Disease in Dogs and Cats – From Benchtop to Bedside – Dr. Marks
[ ] Adverse Drug Reactions and the Liver – Dr. Webster
[ ] Insulin Choices for the Diabetic: Which insulin preparation works best? – Dr. Peterson

1:00 – 1:50 p.m.
[ ] Atopy: A refresher course for 2011 – Dr. Miller
[ ] Wireless Capsule Endoscopy: Revolution in GI Imaging – Dr. Lee
[ ] To bleed or to clot? That is the question. Coagulopathies in liver disease – Dr. Webster

2:00 – 2:50 p.m.
[ ] Demodicosis in 2011 – Dr. Miller
[ ] Feline Hyperthyroid Update: Some Things Old but Everything New – Dr. Peterson
[ ] How bile acids can make you thin: Update on bile acid signaling – Dr. Webster

3:10 – 4:00 p.m.
[ ] Dermatologic Podiatry – Dr. Miller

3:10 – 5:00 p.m.
[ ] Clinical Management of Infectious Keratitis in Dogs – Dr. Ledbetter
[ ] Increased serum enzymes, what do they mean? – Dr. Webster

4:10 – 5:00 p.m.
[ ] Keratinization Disorders in 2011 – Dr. Miller

Sunday, October 2
[ ] Camelid & Small Ruminant Program
[ ] Veterinary Technician Program

Companion Animal Program
8:00 – 8:50 am
[ ] Treatment of Canine Heart Failure – Dr. Kraus
[ ] Feline Triaditis – Current Concepts – Dr. Marks
[ ] The veterinarian and distressed wildlife: Do's and Don'ts – Dr. Kollias
[ ] MRI Technology for the Veterinarian – Dr. Scrivani

9:00 – 9:50 am
[ ] NY Continuing Education Requirements for Veterinarians – Ramos and Ahern
[ ] Antimicrobial Resistance Testing: What every practitioner should know – Dr. Altier
[ ] Imaging Anatomy and Clinical MRI – Dr. Scrivani

9:00 – 10:50 am
[ ] Chronic Diarrhea – A Clinical Case Challenge – Dr. Marks

10:00 – 10:50 am
[ ] Emergency Neurology Case Studies – Dr. Fletcher
[ ] Buying Digital Radiography: 2011 versus 2004 – Dr. Thompson

11:10 – 12:00 p.m.
[ ] Beyond Amputation: New treatment strategies for canine osteosarcoma – Dr. Hume

11:10 – 1:00 p.m.
[ ] Genetic Screening and Testing for Dogs – Drs. Todhunter and Castelhano

1:10 – 2:00
[ ] Video replay of Friday session - Title TBA

2:10 – 3:00 p.m.
[ ] Video replay of Friday session - Title TBA

COMPANION ANIMAL PROGRAM

Friday, September 30

7:30-8:00 **Continental Breakfast**

8:00-8:50

The Clinical Approach to Respiratory Distress

Carol Reinero, DVM, DACVIM, PhD

Respiratory distress is an imminent medical emergency in dogs and cats, and benefits from rapid diagnosis. Understanding how the breathing pattern can aid in localizing the site of respiratory disease is a primary objective of this lecture. Videos will be provided to illustrate a scheme to categorize respiratory distress, which facilitates prompt appropriate diagnostic testing and therapeutic management.

8:00-8:50

Canine Lyme Disease — What Can We Learn From Circulating Immune Complexes?

Richard Goldstein, DVM, DACVIM, DECVIM (Companion Animals)

This lecture will focus on the use of Lyme specific circulating immune complexes in humans and dogs. In people this modality maybe useful as a diagnostic tool in cases of chronic Lyme disease. In dogs we have studied the use of immune complex measurement as a tool in the decision process regarding the treatment of Lyme positive non clinical dogs and in the assessment of the safety of vaccinating Lyme positive and Lyme negative dogs.

8:00-8:50

Liver Disease in Birds

James Morrisey, DVM

This lecture will discuss anatomical and physiological differences in the avian liver. Diagnostic testing for liver function and liver diseases will be presented followed by common liver diseases of pet birds. Treatment options of various diseases and the liver in general will also be discussed.

8:00-9:50

Ecology and Control of Ticks in New England

Michael Dryden, DVM, MS, PhD

Control of ticks and tick transmitted diseases can be difficult and frustrating due to multiple factors. Reports of product failures are common and resistance is often touted as the reason for these failures. However, various biologic and ecologic factors are actually responsible for most perceived control failures such as multiple tick species, change in distribution and density, prolonged life cycles, high reproductive capacity, our inability to control wildlife hosts and client expectations of product performance.

9:00-9:50

Chronic Bronchitis

Carol Reinero, DVM, DACVIM, PhD

Damage to the lower airways from a variety of different causes can lead to structural and physiologic changes that ultimately impair lung function. Chronic bronchitis in dogs and cats typically presents with the clinical sign of cough and needs to be discriminated from other causes of cough. This lecture will discuss diagnostic, therapeutic and prognostic information relevant to canine and feline chronic bronchitis.

9:00-9:50

Canine Lyme Nephritis — Where Are We Today?

Richard Goldstein, DVM, DACVIM, DECVIM (Companion Animals)

This lecture will include a comprehensive review of our current understanding of Lyme nephritis including a review of the literature and the clear evidence today showing that this disorder is associated with Lyme immune complexes, and likely not commonly associated with vaccination. A recommended diagnostic and treatment protocol will be offered based on the current draft of the IRIS consensus statement on proteinuria presented by Dr. Goldstein at ACVIM in June of 2011.

9:00-9:50

Practical Approach to the Diagnosis of Neuromuscular Diseases

Diane Shelton, DVM, PhD, DACVIM (Internal Medicine)

Neuromuscular diseases can present even the most astute clinician with a challenging diagnostic dilemma. This discussion will focus on the importance of a complete history, physical and neurological examination in dogs and cats with neuromuscular disease. In addition, common laboratory testing, imaging modalities and tissue biopsy methods are discussed to enable an early and accurate diagnosis.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-11:00

Subclinical Inflammation in Lower Airway Diseases of Dogs and Cats

Carol Reinero, DVM, DACVIM, PhD

Subclinical inflammation, defined as persistence of neutrophilic and/or eosinophilic infiltrates in the absence of overt clinical signs of cough, wheeze or respiratory distress is beginning to be recognized in small animal patients. Since animals lack clinical signs, medication is likely tapered or discontinued inappropriately, leading to damage to the airways. Clinical implications of subclinical inflammation will be discussed in this lecture.

10:10-11:00

Renal Colonization in Canine Leptospirosis

Richard Goldstein, DVM, DACVIM, DECVIM (Companion Animals)

This lecture will include an overview of where we stand today in terms of our understanding of leptospirosis including epidemiology, diagnostics and therapy. It will then focus on the practical questions often raised regarding vaccination utilizing new data to address the concerns regarding the duration of immunity of Leptospira vaccines, reactivity, and the of prevention of renal colonization and shedding by vaccination.

10:10-11:00

Myasthenia Gravis and Disorders of Neuromuscular Transmission

Diane Shelton, DVM, PhD, DACVIM (Internal Medicine)

Myasthenia gravis (MG) is a disorder of neuromuscular transmission that occurs in congenital and acquired autoimmune forms. Acquired MG is probably the most common neuromuscular disorder in dogs that can be diagnosed and treated. An early, accurate diagnosis and appropriate therapy is important to a good clinical outcome. This discussion focuses on the diagnosis and treatment of acquired MG in dogs and cats with brief discussion of other disorders including congenital MG, tick paralysis, botulism and organophosphate intoxication.

10:10-12:00

Elucidation of Flea Biology and the Persistent Flea Infestation

Michael Dryden, DVM, MS, PhD

Trying to manage client expectations after a flea control product is applied requires an understanding of the biologic and epidemiologic factors responsible for persistent flea infestations and an ability to better manage client expectations. This seminar will detail those aspects of flea biology and ecology that are responsible for persistent flea infestations.

11:10-12:00

Clinical Consequences of Immune Dysregulation in the Lung

Carol Reinero, DVM, DACVIM, PhD

Immune dysregulation refers to an inappropriate ability to clear a pathogen from the lungs (immunodeficiency disease) or an over exuberant and harmful response to a benign substance (hypersensitivity/immune-mediated disorder). In this lecture, the normal immune defenses of the lung will first be reviewed followed by clinical case examples illustrating the clinical approach to disorders of immune dysregulation.

COMPANION ANIMAL PROGRAM

11:10-12:00

Early Diagnosis of Lyme Disease in Dogs: Antibodies to Cell Surface Antigens of B. burgdorferi as Indicators for Early and Chronic Infection Stages

Bettina Wagner, DVM, PhD

Lyme disease is caused by infection with spirochetes of the Borreliaburgdorferisensulato group transmitted by infected ticks (Isodes spp.). Infection with B. burgdorferi is commonly diagnosed by serological tests. A new multiplex assay to different surface antigens of the spirochetes was used to determine antibodies to those antigens in experimentally infected dogs. Antibodies were detected as early as 3 weeks after infection and early and chronic infection markers were identified in dogs.

11:10-12:00

Muscular Dystrophy and Congenital Myopathies

Diane Shelton, DVM, PhD, DACVIM (Internal Medicine)

Inherited muscle diseases in dogs and cats are relatively uncommon and may be difficult to diagnose. Obtaining an accurate diagnosis, in most cases by evaluation of appropriately processed muscle biopsy specimens, is of utmost importance not only to breeders but also to pet owners. These diseases most often occur in purebred animals, and knowledge of inheritance patterns is important in the development of genetic tests for carriers.

12:00-1:30

Lunch

Exhibit Areas

Coffee in the Hagan Room

1:30-2:20

Feline Asthma: Advances in Diagnostics and Therapeutics

Carol Reinero, DVM, DACVIM, PhD

Cornell Feline Health Center - James R. Richards Memorial Lecture

Feline asthma is a common broncopulmonary disorder affecting pet cats and is believed to be caused by an allergic response to inhaled allergens. Understanding the pathophysiologic of the aberrant allergic response opens the door to better testing and treatment. This lecture will highlight some of the novel diagnostic approaches and treatment options for pet cats with the disorder.

1:30-2:20

Copper Hepatotoxicosis: an Emerging Canine Syndrome, Diagnostic Confusion, and Potential Role of Dietary Copper

Sharon Center, DVM, DACVIM

During the last decade, a concerning increase in the number of canine liver biopsies with markedly increased hepatocellular copper (qualitative staining, quantification) have been realized at Cornell. This has been confirmed by a retrospective assessment of hepatic copper concentrations in a case/control study of archived liver specimens. This case-based discussion will illustrate the spectrum of copper associated hepatotoxicity and describe practical interventional strategy.

1:30-2:20

Maximizing Your Clinical Pathology Results: A Case-based Approach to Avoiding Common Pre-analytical Pitfalls

Deanna Schaefer, DVM, MS, MT(ASCP), DACVP (Clinical Pathology)

Pre-analytical variables include issues related to sample collection and handling that can cause false increases and decreases in blood work results. In this lecture we will review examples of real cases with common pre-analytical variables to show specifically how they have affected results. We will discuss how to avoid the avoidable pre-analytical problems and how to recognize the unavoidable ones, in order to maximize the quality of your blood work results.

1:30-2:20

Endocrine Myopathies: That Stiff Senior Dog!

Diane Shelton, DVM, PhD, DACVIM (Internal Medicine)

Endocrine myopathies should be considered in any senior dog with myalgia and stiffness. In fact, myalgia and stiffness may be early signs of an underlying endocrine disorder in the absence of a classical clinical presentation. Not all clinical signs are just "old dog" or caused by chronic arthritis. Muscle biopsies in these cases may be the first indication of an underlying endocrine myopathy. Endocrine myopathies, particularly those associated with hypothyroidism, may respond readily to treatment.

1:30-3:20

Flea Control: Real Homes, Real Problems, Real Answers

Michael Dryden, DVM, MS, PhD

While most flea treatments proceed to a rapid and satisfactory resolution of the problem, difficult cases can cause considerable difficulties in practice. Twenty years of evaluating flea products in flea infested homes in Manhattan, KS and Tampa, FL have provide some unique insights into the numerous issues that can be encountered when trying to eliminate an active flea infestation. This seminar will address those issues using a case-based approach.

2:30-3:20

Collection and Interpretation of Respiratory Cytologic Samples

Carol Reinero, DVM, DACVIM, PhD

Inflammatory lower airway diseases and infectious and neoplastic disorders of the pulmonary parenchyma benefit from cytologic sampling. Techniques for respiratory cytologic collection and indications will be discussed in this lecture. Associated advantages and disadvantages will also be reviewed. Clinical case examples will be provided to highlight the utility of respiratory cytology.

2:30-3:20

Pearls You Should Know Regarding Disorders of the Biliary System in the Dogs

Sharon Center, DVM, DACVIM

This lecture will summarize what we have learned over three decades, relevant clinical diagnostic (clinicopathologic, imaging) information, newly emerging forms of biliary disease, and the myths/benefits/hazards of certain interventional therapies.

2:30-3:20

Lab: Hematology in an Emergency Setting; The Value of the Blood Smear Exam

[Limited to 50 veterinarians]

Deanna Schaefer, DVM, MS, MT(ASCP), DACVP (Clinical Pathology) and Heather Priest, DVM, DACVP (Clinical Pathlogy)

This laboratory will focus on the practical aspects of blood smear review in the small animal critical patient. There will be a brief introductory lecture on microscopic evaluation of blood smears. Attendees will then have the opportunity to review blood smears from animals with conditions where the smear can give rapid and important information for the treatment and prognosis of the animal.

2:30-3:20

Myositis: Autoimmune, Infectious, Paraneoplastic?

Diane Shelton, DVM, PhD, DACVIM (Internal Medicine)

Inflammatory muscle diseases are relatively common in dogs, and if not diagnosed early and treated appropriately, may result in severe and irreversible muscle loss, fibrosis and possibly contractures. This discussion will focus on the diagnosis of inflammatory muscle diseases with emphasis on interpretation of serum creatinine kinase levels, serum antibody assays, muscle biopsy and treatment of this group of myopathies.

COMPANION ANIMAL PROGRAM continued

3:20-4:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

4:10-5:00

Interstitial Lung Diseases

Carol Reinero, DVM, DACVIM, PhD

Interstitial lung diseases are a heterogeneous group of non-infectious inflammatory or fibrotic respiratory disorders of the pulmonary parenchyma. Clinical signs and radiographic appearances may mimic other respiratory diseases including infectious pneumonia and neoplasia. In this lecture, a review of the clicopathologic features of interstitial lung diseases identified in cats and dogs will be performed.

4:10-5:00

Canine Heartworm Update — What We Forgot, What We Thought We Knew, and What We Need to Know: A Case-Based Approach

Michael Dryden, DVM, MS, PhD

Dirofilariaimmitis is an extremely common parasitic infection, but there are still many misperceptions concerning the life cycle and transmission of this mosquito vectored disease. Additionally, numerous questions arise concerning performance of the preventatives, possible resistance, efficacy of the adulticide and accuracy of the antigen tests pre- and post-treatment. This presentation will attempt to clear up misconceptions and provide insights into the changing aspects of heartworm infections in dogs.

4:10-5:00

Feline Biliary Disorders: Cholangitis / Cholangiohepatitis, Biliary Cysts, Cystadenomas, and Hepatofibrocystic Disorders.

Sharon Center, DVM, DACVIM

Diagnosis and treatment of feline biliary disorders can be challenging. Strategies clarifying CCHS subsets, selection of appropriate treatments, and identification/management of biliary cystic and hepatofibrocystic feline disorders will be discussed using case examples.

4:10-5:00

Lab: Hematology in an Emergency Setting; The Value of the Blood Smear Exam — continued

Deanna Schaefer, DVM, MS, MT(ASCP), DACVP (Clinical Pathology) and Heather Priest, DVM, DACVP (Clinical Pathology)

This laboratory will focus on the practical aspects of blood smear review in the small animal critical patient. There will be a brief introductory lecture on microscopic evaluation of blood smears. Attendees will then have the opportunity to review blood smears from animals with conditions where the smear can give rapid and important information for the treatment and prognosis of the animal.

4:10-5:00

Peripheral Neuropathies: Just the Tip of the Iceberg

Diane Shelton, DVM, PhD, DACVIM (Internal Medicine)

Despite a multitude of advances in our understanding of veterinary neurology, peripheral neuropathy remains one of the most challenging areas with regard to recognition, diagnosis, and therapy. The early recognition of peripheral neuropathy, followed by a logical sequential diagnostic evaluation, is essential to having a better understanding of the disease process, and to hopefully come closer to a specific etiological diagnosis.

Saturday, October 1

7:00-8:00

NYSVMS Business Meeting

Cafeteria, first floor

(Limited to NYSVMS members, includes continental breakfast)

7:30-8:00 **Continential Breakfast**

8:00-8:50

Canine Pemphigus 2011

Danny Scott, DVM, DACVD

Pemphigus diseases were first reported in dogs in the mid-1970s. We will consider the advances in the understanding of the pathogenesis, diagnosis, and management of these disorders.

8:00-8:50

Treatment of Canine IMHA: What's the Evidence?

Catherine Rogers, DVM, DACVECC and Marjory Brooks, DVM, DACVIM

This case-based presentation will focus on the challenges of canine IMHA. Attendees will become familiar with currently available diagnostic and treatment options, including a discussion of the evidence base to support various management strategies. Audience participation is encouraged.

8:00-9:50

Swallowing Disorders in Dogs — More Common Than You Think!

Stanley Marks, BVSc, PhD, DACVIM (Internal Medicine), DACVN

A case-based seminar utilizing radiographs, video endoscopy and fluoroscopic swallow studies illustrating a variety of clinical disorders causing dysphagia. Common causes of dysphagia, including disorders of the esophagus, will be highlighted with an emphasis on optimizing the diagnosis and therapy of these disorders. This seminar will be practical and will allow veterinarians to feel much more comfortable when dealing with dysphagic dogs.

8:00-9:50

NYS Controlled Substance Law Update for Veterinarians

Debra M. Hotaling, RPh and Timothy J. Dewey, Chief Investigator

This course will offer a review of NYS controlled substance laws including the dispensing of controlled substances, office recordkeeping, the Official Prescription Program, and updates to Article 33 of the NYS Public Health Law that affect veterinary practices. It will also include an overview of prescription drug diversion trends and how the new rules for drug destruction may affect you.

9:00-9:50

Canine "Pemphigoid" 2011

Danny Scott, DVM, DACVD

Pemphigoid diseases were first reported in the late 1970s. We will consider the advances in the understanding of the pathogenesis, diagnosis, and management of these disorders.

9:00-9:50

Dos and Don'ts of Platelet Transfusion

Gretchen Schoeffler, DVM, DACVECC

This platelet transfusion lecture will use clinical scenarios to elucidate the primary etiologies of canine thrombocytopenia and thrombocytopathia focusing on cases that illustrate when prophylactic and therapeutic platelet transfusions are indicated. The pros and cons of the available platelet products and the risks of platelet transfusion will also be discussed.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-11:00

Canine Lupus Erythematosus 2011

Danny Scott, DVM, DACVD

Cutaneous lupus erythematosus was first reported in dogs in the late 1970s. We will consider the various forms of cutaneous lupus erythematosus and the management of these disorders.

10:10-11:00

How to Diagnose and manage Protein-Losing Enteropathies

Stanley Marks, BVSc, PhD, DACVIM (Internal Medicine), DACVN

A case-based seminar highlighting different causes of PLE in dogs, with a focus on optimizing the diagnostic

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approach to these patients, and a rational approach to medical and nutritional management. Emphasis will be placed on dietary and pharmacological therapy of this common syndrome in dogs, with recommendations for monitoring these patients.

10:10-11:00

Infectious Hepatopathies

Cynthia R. L. Webster, DVM, DACVIM (Small Animal Medicine)

While the incidence of hepatotrophic infectious disease in veterinary patients does not approach what is seen in humans, there are some pathogens that do preferentially colonize the liver in veterinary patients. The diagnosis and treatment of hepatobiliary disease caused by these organisms will be presented. In addition, factors that predispose to secondary bacterial infection with enteric organisms will be discussed along with the therapeutic approach to these infections.

10:10-12:00

Ouch! Bugs, Bees and Vaccines

Catherine Rogers, DVM, DACVECC

This lecture will focus on the diagnosis and management of venomous arthropod bites and stings in dogs with an emphasis on the acute anaphylactic reactions seen with Hymenoptera. The presentation will be primarily case-based and will also include a discussion on the immune reactions associated with vaccines.

11:10-12:00

Art of Elimination Diet

Joseph Wakshlag, MS, DVM, PhD, DACVN, DACVSMR

In some cases commercial elimination diets may not work or may not be feasible due to the need for extremely novel ingredients. Although the initial use of table foods seems appealing and easy, balancing the diet for completeness and long term feeding can be problematic. Key concepts in the formulation of novel protein and limited ingredient diets, as well as the pitfalls in supplementation, will be discussed.

11:10-12:00

Inflammatory Bowel Disease in Dogs and Cats — From Benchtop to Bedside

Stanley Marks, BVSc, PhD, DACVIM (Internal Medicine), DACVN

This lecture will provide a comprehensive overview of IBD in dogs and cats, with an emphasis on the recent WSAVA definition of the syndrome, and discussion on the pathogenesis, clinical signs, diagnostic approach and therapy. Emphasis will be placed on current therapeutic recommendations for this complex syndrome, including dietary options and pharmacologic therapy.

11:10-12:00

Adverse Drug Reactions and the Liver

Cynthia R. L. Webster, DVM, DACVIM (Small Animal Medicine)

The liver is uniquely susceptible to drug injury. After absorption from the gastrointestinal tract, drugs are delivered directly to the liver via the portal circulation. Thus the liver is consistently exposed to high drug concentrations. The liver also has a central role in drug metabolism which can lead to the generation of toxic intermediates. This presentation will discuss how to recognize that a hepatotoxic reaction is occurring, and will summarize the important drug hepatotoxicities in cats and dogs.

11:10-12:00

Insulin Choices for the Diabetic: Which Insulin Preparation Works Best?

Mark Peterson, DVM, DACVIM

This lecture will focus on the pros and cons of the various insulin preparations commonly used in the treatment of dogs and cats with diabetes mellitus. The insulin preparations to be discussed include the human recombinant insulins (U-100 NPH; U-40 PZI, ProZinc®), porcine insulin (U-40 lente, Vetulin®), and the U-100 insulin analogues (glargine, Lantus®; detemir, Levemir®). The different treatment regimens and diabetic monitoring techniques will also be reviewed, especially those used when remission of the diabetic state is possible.

12:00-1:00

Lunch

Exhibit Areas

Coffee in the Hagan Room

1:00-1:50

Atopy: A Refresher Course for 2011

William H. Miller, VMD, DACVD

Pets with environmental allergies are presented on a daily basis especially during the warm weather months. What medications can we use to control their disease safely? When is immunotherapy indicated and how do you go about getting it? This lecture will answer those questions and give a detailed overview on atopy in dogs and cats.

1:00-1:50

Wireless Capsule Endoscopy: Revolution in GI Imaging

Alice Che Yu Lee, DVM

This lecture serves as an introduction to wireless capsule endoscopy, a method for imaging the small intestine without sedation. Endoscopic capsules have been used diagnostically in human gastroenterology for over a decade. More recently, this tool has been applied to dogs. Topics covered in this lecture include the technology behind endoscopic capsules; a comparison of different brands; indications, contraindications, complications, and preliminary use in dogs. Videos from research dogs will be shown.

1:00-1:50

To Bleed or To Clot? That is the Question — Coagulopathies in Liver Disease

Cynthia R. L. Webster, DVM, DACVIM (Small Animal Medicine)

The liver plays an important role in the production and clearance of many components of coagulation. Thus a wide range of hemostatic derangements can occur in patients with hepatobiliary disease. As these hemostatic alterations include both pro- and anti-coagulation pathways, the net result is often a rebalanced hemostatic system that can be easily disrupted by concurrent conditions, resulting in either clinical bleeding or thrombosis.

1:00-2:50

Lab: Emergency Procedures for Companion Animals
[Limited to 18 veterinarians]

Gretchen L. Schoeffler, DVM, DACVECC; Catherine Rogers, DVM, DACVECC; Jenefer Stillion, ECC Resident; Kelly Blackstock, ECC Resident; Joel Weltman, ECC Resident; Pati Kirch, LVT

This emergency procedures laboratory will provide veterinarians the opportunity to practice operative procedural skills in a controlled, comfortable setting. A variety of emergency procedures including emergency venous access, temporary tracheostomy tube placement, thoracostomy tube placement, and open-chest cardiopulmonary resuscitation will be taught and practiced using cadaver dogs. Each of two laboratory sessions is limited to 18 veterinarians.

2:00-2:50

Demodicosis in 2011

William H. Miller, VMD, DACVD

Demodicosis has been a scourge of dermatology for years. Initially only one species of mite was recognized in the dog, and one in the cat, and topical treatment was the only route of treatment. Today we recognized multiple different species of mites in both the dog and cat and we have many more treatment options available to us. This lecture will review in detail demodicosis in the dog and cat.

2:00-2:50

Feline Hyperthyroid Update: Some Things Old but Everything New

Mark Peterson, DVM, DACVIM

This lecture will focus on an overview of the latest information on diagnosis and management of hyperthyroidism in cats. Use of serum T4, free T4, and TSH measurements will be reviewed, as well as the value of thyroid scintigraphy for diagnosis of thyroid

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carcinoma. Potential complications of hyperthyroidism, notably the masked kidney disease that can develop after treatment, will be discussed.Treatment options, including nutritional management with low-iodine diets, will also be reviewed.

2:00-2:50

How Bile Acids Can Make You Thin: Update on Bile Acid Signaling

Cynthia R. L. Webster, DVM, DACVIM (Small Animal Medicine)

Over the last couple of years it has become clear that bile acids do more than just solubilize dietary lipids in the digestive tract. They are emerging as important hormonal regulators of fat and carbohydrate metabolism. Bile acids mediate these actions by binding to nuclear (FXR) and plasma membrane receptors (TGR5). The development of compounds which modulate bile acid receptors may lead to drugs for the treatment of diabetes and the consequences of the metabolic syndrome.

2:50-3:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:10-4:00

Dermatologic Podiatry

William H. Miller, VMD, DACVD

In many dermatoses the feet are involved as well as the body, but some disorders are restricted to the feet or start there. This lecture will focus on the primary conditions of the feet and those which give us the most problems.

3:10-5:00

Clinical Management of Infectious Keratitis in Dogs

Eric Ledbetter, DVM, DACVO

Infectious keratitis occurs frequently in dogs and requires prompt and appropriate therapy to achieve an optimal outcome. The clinical appearance, diagnosis, and treatment of bacterial, viral, and fungal corneal infection in dogs will be discussed. Clinical features of corneal lesions suggestive of an infectious process, and therapy in the primary care setting will be emphasized.

3:10-5:00

Lab: Emergency Procedures for Companion Animals

[Limited to 18 veterinarians]

Gretchen L. Schoeffler, DVM, DACVECC; Catherine Rogers, DVM, DACVECC; Jenefer Stillion, ECC Resident; Kelly Blackstock, ECC Resident; Joel Weltman, ECC Resident; Pati Kirch, LVT

This emergency procedures laboratory will provide veterinarians the opportunity to practice operative procedural skills in a controlled, comfortable setting. A variety of emergency procedures including emergency venous access, temporary tracheostomy tube placement, thoracostomy tube placement, and open-chest cardiopulmonary resuscitation will be taught and practiced using cadaver dogs. Each of two laboratory sessions is limited to 18 veterinarians.

4:10-5:00

Keratinization Disorders in 2011

William H. Miller, VMD, DACVD

Primary seborrhea is alive and well in the Cocker Spaniel, but we have new seborrheic conditions to diagnose and treat. This lecture will review the current treatments for our old diseases and update you on the new conditions.

4:10-5:00

Increased Serum Enzymes — What Do They Mean?

Cynthia R. L. Webster, DVM, DACVIM (Small Animal Medicine)

This presentation will include 2 hours of lecture that focus on case-based discussions of dogs with increases in serum liver enzyme activity that are not necessarily associated with primary hepatobiliary disease. An algorithm will be presented to organize the approach to these dogs.

Sunday, October 2

7:30-8:00 **Continential Breakfast**

8:00-8:50

Treatment of Canine Heart Failure

Marc Kraus, DVM, DACVIM (Internal Medicine), DACVIM (Cardiology)

An update on the assessment and treatment of congestive heart failure due to mitral valve disease and cardiomyopathy. There will be a focus on evidence based treatment strategies. Case studies will be used to illustrate the salient features of heart failure management.

8:00-8:50

Feline Triaditis – Current Concepts

Stanley Marks, BVSc, PhD, DACVIM (Internal Medicine), DACVN

A case-based interactive seminar highlighting this common malady in cats, with an emphasis on optimizing the diagnosis and management of feline pancreatitis, cholangitis, and IBD. This fun-filled session will include a variety of multiple-choice questions that the audience will answer, using clickers for anonymity.

8:00-8:50

The Veterinarian and Distressed Wildlife: Dos and Don'ts

George Kollias, DVM, PhD, DACZM

Practitioners are frequently presented with native wildlife brought to their clinics or hospitals by the general public, wildlife rehabilitators, humane organizations, and state or federal wildlife agencies. Additionally, hospital personnel are faced with questions and triaging problems from the general public concerning wildlife. This presentation will provide an overview of the state and federal regulations and laws relating to short- and long-term medical and surgical care, time saving telephone communications, minimal requirements for hospitalization, practical considerations relating to triage and care, development of working relationships with licensed wildlife rehabilitators, and ethical issues relating to rehabilitation.

8:00-8:50

MRI Technology for the Veterinarian

Peter Scrivani, DVM, DACVR

Two lectures will illustrate the clinical applications of MRI in veterinary medicine. This first lecture will review the technology relevant to image acquisition and interpretation: it will serve as a foundation for the second lecture "Imaging Anatomy & Clinical MRI."

9:00-9:50

New York's Continuing Education Requirements for Veterinarians

Walter Ramos, J.D., R.N., and Barbara Ahern, J.D.

New York's new law mandating continuing education in the veterinary professions will require CE credits for re-registration starting in January 2012. This lecture will explain how the NYS Education Department is implementing the law, with particular emphasis on the CE requirements for licensed veterinarians.

9:00-9:50

Antimicrobial Resistance Testing: What Every Practitioner Should Know

Craig Altier, DVM, PhD

Choosing the right antibiotic is essential to treating bacterial infections in patients. Culture and susceptibility testing can be invaluable tools for effective treatment, but the correct interpretation of these laboratory results, and their application to animal health, can be difficult. The goal of this lecture is therefore to explain the basis for antimicrobial susceptibility testing and to better understand its benefits and limitations, with emphasis on the practical application of antibiotic usage.

9:00-9:50

Imaging Anatomy & Clinical MRI

Peter Scrivani, DVM, DACVR

Two lectures will illustrate the clinical applications of MRI in veterinary medicine. This second lecture will show the clinical applications of MRI,

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with several examples of diseases that previously could not be non-invasively diagnosed. Clinical application will focus on neuroimaging and musculoskeletal imaging in dogs.

9:00-10:50

Chronic Diarrhea – A Clinical Case Challenge

Stanley Marks, BVSc, PhD, DACVIM (Internal Medicine), DACVN

This session will comprise a variety of case-based feline and canine diarrhea cases that will highlight the rational approach to animals with acute and chronic diarrhea. Emphasis will be placed on the optimal selection of diagnostic tests for diarrheic dogs and cats, including discussion on the limitations and benefits of specific tests or procedures. Various therapeutic strategies (dietary and medical) for diarrheic animals will also be discussed.

10:00-10:50

Emergency Neurology Case Studies

Daniel Fletcher, PhD, DVM, DACVECC

This highly interactive, case-based, small group session will involve evaluation of a series of unusual neurologic emergency cases. The group will develop problem lists, differential diagnoses, and diagnostic and therapeutic plans, and will work through the case to diagnose and treat the patient. The case outcome will be discussed, and alternative approaches suggested by the audience will be examined.

10:00-10:50

Lab: Heartworm: Methods for Diagnosis (Clinical, Serological, and Molecular)

Dwight Bowman, MS, PhD; Marc Kraus, DVM, DACVIM (Internal Medicine), DACVIM (Cardiology); Mark Rishniw, DVM; Alice Che Yu Lee, DVM; Araceli Lucio-Forster, PhD; Janice Liotta, Technical Support

This lab demonstrates microfilaria and Knott's and Ag testing, shows the methods used by Blagburn to perform microfilarial motility assay in the presence of macrocyclic lactones, shows the type of PCR done to look for polymorphism and homozygosity in heartworm isolates (strains), and will give participants a chance to see third-stage larvae in mosquitos. With the assistance of Drs. Kraus and Rishniw, we will work through a number of computer cases on radiography and echo in heartworm diagnosis. We will also discuss the timing of treatments versus the presence of macrocyclic tolerant and susceptible stages that may be present before the use of adulticide therapy.

10:00-10:50

Buying Digital Radiography: 2011 Versus 2004*

Margret Thompson, DVM, DACVR

Buying digital radiography equipment is a daunting task with many vendors, technologies and non-image factors to be considered during the purchase process. In 2011, the Cornell University Hospital for Animals imaging section tested digital radiography technology from multiple veterinary and human medical vendors, culminating in a purchase of new equipment for both the large and small animal hospitals. The primary objective of this lecture is to review available acquisition technologies and discuss innovations that are emerging in the veterinary market.

**This is a practice management course.*

10:50-11:10

Brunch

Exhibit Areas

Coffee in the Hagan Room

11:10-12:00

Beyond Amputation: New Treatment Strategies for Canine Osteosarcoma

Kelly Hume, DVM, DACVIM (Oncology)

At minimum, osteosarcoma affects 8000 dogs per year in the United States. Standard of care for limb osteosarcoma includes amputation followed by adjuvant chemotherapy with a doxorubicin- or platinum-based protocol. Alternative treatment options include limb-spare techniques, stereotactic radiosurgery, and palliation with radiation therapy or pamidronate. This lecture will first provide a broad overview of osteosarcoma and then focus on the rationale and outcome (if known) for these newer treatment options.

11:10-1:00

Genetic Screening and Testing for Dogs

Rory Todhunter, BVSc, PhD, DACVS and Marta Castelhano, DVM

Genetic diseases in dogs are common. Screening for genetic disorders begins in clinical practice.

Molecular genetic tests are available for many single gene (Mendelian) disorders. Application of these tests to reduce carriers used in breeding programs will eliminate the disease. Predicting complex disorders like hip dysplasia and cancer is more difficult and veterinarians usually make the diagnosis at maturity. However, we will explain how the frequency of unwanted complex traits can be reduced by the application of breeding values for these traits and disorders. Now the technology is available to substitute breeding values with molecular genetic or genomic breeding values. We will explain how a multi genetic marker test can be used in clinical practice, and to improve breeding practice. Development of further genetic tests for complex disorders will depend on access to genetic material from control, as well as affected dogs. We will explain how this is accomplished in our practice.

11:10-1:00

Lab: Heartworm: Methods for Diagnosis (Clinical, Serological, and Molecular) — continued

Dwight Bowman, MS, PhD; Marc Kraus, DVM, DACVIM (Internal Medicine), DACVIM (Cardiology); Mark Rishniw, DVM; Alice Che Yu Lee, DVM; Araceli Lucio-Forster, PhD; Janice Liotta, Technical Support

This lab demonstrates microfilaria and Knott's and Ag testing, shows the methods used by Blagburn to perform microfilarial motility assay in the presence of macrocyclic lactones, shows the type of PCR done to look for polymorphism and homozygosity in heartworm isolates (strains), and will give participants a chance to see third-stage larvae in mosquitos. With the assistance of Drs. Kraus and Rishniw, we will work through a number of computer cases on radiography and echo in heartworm diagnosis. We will also discuss the timing of treatments versus the presence of macrocyclic tolerant and susceptible stages that may be present before the use of adulticide therapy.

11:10-1:00

Lab: Musculoskeletal Radiography
[Limited to 50 veterinarians]

Nathan Dykes, DVM, DACVR

This laboratory will concentrate on musculoskeletal imaging, focusing on radiography but introducing the usefulness of CT, nuclear medicine and MRI in the evaluation of lameness in small animals. Participants will work through cases delivered on computer, with time for both individual and group discussion.

12:10-1:00

Management of Injection Site Sarcomas in Cats

Kelly Hume, DVM, DACVIM (Oncology)

Injection site sarcomas in cats are locally invasive and highly recurrent. Although the exact pre-valence is unknown, it is often a devastating diagnosis for a cat-owning family. This lecture will review the diagnosis, staging and multi-modality treatment recommendations for this aggressive cancer. Epidemiology, risk factors, and strategies for client counseling will also be discussed.

VETERINARY TECHNICIAN PROGRAM

Saturday, October 1

7:30-8:00 **Continential Breakfast**

8:00-8:50

Veterinary Hospice Care: What Is It and Why Do We Need It?

Katherine Goldberg, DVM

While hospice care for animals is ill-defined in the veterinary profession, dealing with the end of an animal's life is very familiar. Most people have experienced the loss of a pet, and have had to make difficult decisions on an animal's behalf prior to and leading up to euthanasia. Because euthanasia is deeply integrated into end of life care for animals, veterinary hospice care looks quite different from its human counterpart. Similarities exist in the overall philosophy of hospice, that is: acceptance that additional medical interventions are unlikely to change the outcome of a disease, desire to alleviate pain and emotional suffering, and focus on comfort and quality of life, rather than aggressive treatment to extend it.

9:00-9:50

End of Life Care for Animals: The Important Role of LVTs

Katherine Goldberg, DVM

The second lecture on this topic is intended to highlight the LVT's role in end of life care for animals, although both veterinarians and LVTs are encouraged to attend. Ideas for integrating end of life support into a range of practice environments will be addressed. How can we create effective hospice/palliative care teams to provide support for our clients? How can LVTs make the euthanasia experience more meaningful for clients? How can LVTs compassionately and effectively answer end of life questions that clients ask when the veterinarian has left the room? How can LVTs recognize and prevent compassion fatigue? Whether you'd like to integrate additional grief resources & euthanasia support into your clinic's pre-existing protocols or develop them from scratch, this presentation hopes to highlight some of the ways LVTs can play a primary role.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-11:00

A Practical Approach to Head Trauma Management

Daniel Fletcher, PhD, DVM, DACVECC

The basic pathophysiology of primary and secondary brain injury in dogs and cats will be reviewed as a basis for discussion of current recommendations for nursing care and treatment, including newer medical therapies that may improve outcomes. The current literature regarding prognosis and outcome will be reviewed.

11:10-12:00

Management of Patients with Respiratory Distress

Daniel Fletcher, PhD, DVM, DACVECC

A general approach to the patient in respiratory distress will be described. Physical exam and historical findings will be used to identify which of the eight primary causes of respiratory distress is present, and diagnostic approaches and management strategies will be discussed for each.

12:00-1:00

Lunch

Exhibit Areas

Coffee in the Hagan Room

1:00-2:50

Equine Rescue and Transport

Roger Lauze, Equine Rescue and Training Coordinator

This lecture and hands on demonstration is designed to give attendees a basic understanding in the use of state-of-the-art horse/large animal emergency rescue and transportation equipment, including the Original Rescue Glide. The lecture and hands on demonstration will focus on the safe and humane way to place a downed horse on the Rescue Glide and how to move the Rescue Glide, with the horse attached, into the trailer.

2:50-3:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:10-4:00

The Role of the Dentistry Technician

Sharon Harvey, LVT

The role of the dentistry technician is a comprehensive explanation of the wide range of duties that are expected of the dentistry technician. This includes the basic understanding of functional oral anatomy, basic dental equipment knowledge/maintenance, operator safety, health considerations, and dental radiology (superficial overview). Other items covered will be, the oral exam (awake and under anesthesia), dental charting, assisting with periodontics, endodontics, orthodontics, prosthodontics, restorative dentistry, client education, and homecare.

4:10-5:00

Intraoral Radiology

Sharon Harvey, LVT

Intraoral radiology must be included in any dentistry practice to complete total dentistry procedures. Basic equipment for intraoral radiology can be purchased for a moderate investment that will pay for itself in under a year. The dentistry technician is an important part of the dentistry team. The dentistry technician should be responsible for taking and developing the radiographs for the veterinarian to interpret. There are two types of imaging techniques parallel and bisecting that are an important part of intraoral radiology. Safety must be adhered to at all times while using any x-ray equipment.

Sunday, October 2

7:30-8:00 **Continential Breakfast**

8:00-8:50

New York's Continuing Education Requirements for Veterinary Technicians

Walter Ramos, J.D., R.N.

New York's new law mandating continuing education in the veterinary professions will require CE credits for re-registration starting in January 2012. This lecture will explain how the NYS Education Department is implementing the law, with particular emphasis on the CE requirements for licensed veterinary technicians.

9:00-10:50

Lab: Intraoral Radiology Wetlab

Sharon Harvey, LVT and Santiago Peralta, DVM

The oral radiology wet lab will offer allow its participants hands-on learning of conventional and digital dental radiology. The participants will review dental radiology equipment, dental film, and film processing. Use of the parallel, bisecting angle, and extraoral techniques will be practiced.

10:50-11:10

Brunch

Exhibit Areas

Coffee in the Hagan Room

11:10-1:00

CPR Lab: An Interactive, Simulation-based Approach
[Limited to 20 veterinarians]

Daniel Fletcher, PhD, DVM, DACVECC

Few emergencies are as stressful as acute cardiopulmonary arrest (CPA). This highly interactive session will start with a short lecture reviewing the current guidelines for CPR. Then teams of volunteers from the audience will run "mock codes" using a simulator that has pulses, heart and lung sounds, spontaneous respirations, and a simulated patient monitor. Finally, team members and the audience will participate in a debriefing session about the case and the approach to CPR.

EQUINE PROGRAM

Friday, September 30

7:30-8:00 **Continential Breakfast**

8:00-8:50

News Hour

Norm Ducharme, DVM, MSc, DACVS and Pam Wilkins, DVM, PhD

The major articles of the year in equine medicine and surgery will be reviewed by the presenters and the clinical significance of the findings briefly discussed while answering questions and comments from the attendees. This thoughtful session strives to present the more accurate practitioner's perspective from a surgeon's point of view.

9:00-9:25

Management of Blindness in Horses

Ann Dywer, DVM

This lecture is a presentation of basic facts about blind horse behavior and adaptation to vision loss. Tips on enucleation of painful blind eyes, as well as resources that will be helpful for horse owners of blind horses, will be presented.

9:25-9:50

Regenerative Therapies for Musculoskeletal Injuries in Horses

Lauren Schnabel, DVM, DACVS

Regenerative therapies are based in biologics which capture the body's natural ability to heal. There are several types of regenerative therapies being used, including platelet rich plasma (PRP), stem cells of several varieties, and autologous condition serum (ACS) / interleukin-1 receptor antagonist protein (IRAP). Each of these therapies is relatively new so there is very limited clinical data accumulated to date, and none published on naturally occurring joint disease in equine patients.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-11:00

Prognostic Indicators in Diseases of Foals

Pam Wilkins, DVM, PhD

In this lecture many of the clinical variables used to help establish a realistic prognosis in sick foals will be discussed. Results from the newest and largest studies will be presented in a way that makes the findings applicable to practice, while enhancing the practitioner's knowledge of how to use some of these measures to advise their clients and to make timely referral decisions. This lecture focuses on practical application of knowledge gained from clinical trials and multicenter studies.

11:10-12:00

Immunodeficiencies in Horses

Julia Felippe, DVM, MS, PhD, DACVIM

The lecture will provide an overview of the clinical and immunological aspects of humoral and cellular immunodeficiencies described in the horse, and how they manifest in the foal and adult horses.

12:00-1:30

Lunch

Exhibit Areas

Coffee in the Hagan Room

1:30-3:10

Lab A: Immunologic Testing for Horses — What and When

Julia Felippe, DVM, MS, PhD, DACVIM

This laboratory will complete the discussion on the subjects in the previous lecture, and will describe principles and clinical interpretation of the basic diagnostics for immunodeficiencies available for the horse.

1:30-3:10

Lab B: Best-Case of the Year Presentations — Patients That Require Follow-Up with Their Referring Veterinarians

Toby Pinn, DVM; Sally Ness, DVM; Alanna Zantingh, DVM; Mike Maher, DVM

The Large Animal Medicine and Surgery residents will present a selection of interesting and complex cases they have seen at the Cornell University Equine and Farm Animal Hospital. These cases required collaboration and cooperation with the clients' regular veterinarians throughout the hospitalization, and especially through the follow-up and recovery stages. There will be time for questions and discussion.

3:10-3:30

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:30-5:10

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Saturday, October 1

7:30-8:00 **Continential Breakfast**

8:00-8:50

Progress in Diagnosis and Treatment of Equine Endometritis

Robert Gilbert, BVSc, MMed Vet, MRCVS, DACT

This lecture discusses the pathogenesis of postbreeding endometritis and chronic endometritis in mares, refinement of diagnostic strategies and emerging treatment options.

9:00-9:25

Diagnosis of Upper Airway Abnormalities

Jon Cheetham, VetMB, PhD, DACVS

This lecture will focus on the diagnosis of dynamic airway obstruction. There will be a review of ongoing research aimed at the early minimally invasive diagnosis of recurrent laryngeal neuropathy and dorsal displacement of the soft palate. Early diagnosis of these conditions allows for early intervention, and may improve surgical success rates.

9:25-9:50

New Developments in Strangles

Gillian Perkins, DVM, DACVIM

Strangles is a common infectious disease of the horse that has a major impact on the equine industry. The diagnosis and management of the disease, along with farm biosecurity recommendations, will be discussed. Prevention through vaccination will also be highlighted.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-11:00

Update on Neurologic Disease I: EPM, Lyme, and Botulism

Amy Johnson, DVM, DACVIM (LAIM)

Neurologic diseases frequently present a diagnostic and therapeutic challenge to the equine practitioner. Initial

EQUINE PROGRAM

signs of disease may be vague, and commercially available diagnostic tests and treatments change often. This presentation will provide an evidence-based review of currently available diagnostic and treatment options as well as hints to assist in clinical diagnosis.

11:10-12:00

Update on Neurologic Disease II: EHV-1, WNV, and More

Amy Johnson, DVM, DACVIM (LAIM)

This presentation will continue the evidence-based review of diagnostic and treatment options for infectious neurologic diseases. Additionally, recent outbreaks and outbreak management will be discussed.

12:00-1:00

Lunch

Exhibit Areas

Coffee in the Hagan Room

1:00-2:40

Lab A: Laparoscopic Assisted Rectal Palpation

Rolfe Radcliffe, DVM, DACVS and Heidi Reesink, VMD

Rectal palpation is an important diagnostic technique used frequently in large animal practice. It has many applications, including the evaluation of the gastrointestinal, urinary and reproductive systems. Laparoscopy is a minimally invasive surgical technique that may be performed in standing animals with minimal sedation and local anesthesia. Laparoscopy allows video-assisted viewing of the abdomen and simultaneous visual and tactile sensory feedback. In essence, laparoscopy allows students to "see what they are feeling".

1:00-2:40

Lab B: Standing Forelimb and Hindlimb Bandage Cast Application and IV Regional Limb Perfusion

Ashlee Watts, DVM, DACVS, PhD Candidate and Alanna Zantigh, DVM

Techniques for standing cast application and regional limb perfusions will be discussed and demonstrated.

2:40-3:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:10-4:50

Lab A: Laparoscopic Assisted Rectal Palpation

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CAREER CONNECTIONS

** All lectures in this track are practice management courses.*

Career Connections with Carin Smith, DVM

Friday, September 30

8:00-8:50

Negotiating with Co-Workers

Identify situations with the potential for negotiation, and explore assumptions that may block your success. Explore the difference between positions and interests. Evaluate new approaches that can help you create win-win outcomes. Create a plan for influencing others to agree with your idea. Attendees will pair off to practice.

9:00-9:50

Negotiating with Clients

Identify assumptions about client communication that may interfere with successful pet health care. Evaluate the difference between negotiation and collaboration, creating a new approach to client satisfaction. Explore the ways clients perceive "value." Attendees will create a plan for making a recommendation, and pair off to practice.

10:10-11:00

Creating Value: How to Create Value for Yourself (or Someone Else) in Your Practice

Explore your role and potential for growing your career. Match your interests with actions that will help the practice. Assess and question assumptions that may interfere with your progress. Finish with an action plan for increasing your value at the practice. (Managers and owners will make a plan for how they will help others with this process.) Interactive session.

11:10-12:00

Generation, Personality and Style at Work

Create action steps for accommodating youth, age, style, and personality while the job gets done. Recognize assumptions and behaviors that can help or hinder teamwork in your practice. Explore myths and stereotypes about generational differences. Learn specific tips to improve teamwork. Interactive session.

Career Connections – STUDENT SESSIONS*

Friday, September 30

** Anyone is welcome to attend these sessions focused on student issues.*

12:30-1:45

Student Lunch Lecture

Interviewing a 2 Way Street

James Peddie, DVM

2:00-3:00

Career Choices for Veterinarians

Carin Smith, DVM

Explore career choices from private practice and beyond, with a focus on matching your interests and life choices. Evaluate trade-offs, examine your stereotypes about various career paths, and hear about people who love their work. Copies of the book, Career Choices for Veterinarians, (2011 edition) will be provided to attendees. Interactive session focused on students.

3:00-4:00

Why can't we all be friends? Friendships, work culture, and creating boundaries.

Carin Smith, DVM

Everyone wants to get along at work, yet veterinary teams say that difficult co-workers can make life miserable! Learn new approaches to getting along better, including tips for initiating difficult conversations, finding something likable in everyone, and recognizing friendship traps to avoid. Interactive session focused on students.

BOVINE PROGRAM

Friday, September 30

7:30-8:00 **Continential Breakfast**

8:00-9:50

Animal Drug Use on America's Dairy Farms, AMDUCA and Other Useful Information

Raymond Niles, AAS and BS – Dairy Science (manufacturing), Consumer Safety Officer, United States Food and Drug Administration

This presentation will include a discussion of the veterinarian's prerogatives under the Animal Drug Use Clarification Act (AMDUCA), requirements for use of drugs on America's Grade A dairy farms, and useful information for any dairy veterinarian regarding animal drug use.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-11:00

Negative Energy Balance in Transition Cows: Consequences and Monitoring

Daryl Nydam, BS, DVM, PhD

As dairy cows transition from late gestation to early lactation they experience a period of negative energy balance. Inability to adapt to this transition leads to excessive mobilization of NEFA and production of ketone bodies. This lecture will discuss the downstream consequences of not managing this period well, and will consider the effect on development of diseases, milk production, and reproduction at the cow and herd levels. In addition, herd monitoring programs and cow and herd level man-agreement strategies will be presented.

11:10-12:00

Managing Milk Components on Dairy Farms

Thomas Overton, PhD

Milk revenue on dairy farms is determined primarily by yields of milk fat and true protein. This lecture will focus on strategies to optimize yields of these components so that dairy producers maximize their revenue opportunities. In addition, there will be a discussion of ways to troubleshoot low yields of milk fat and protein in dairy herds.

12:00-1:30

Lunch

Exhibit Areas

Coffee in the Hagan Room

1:30-3:10

Blood Cells, Biochemistry and Bovine Practice: A Case-Based Approach to Clinical Pathology

Tracy Stokol, BVSc, PhD, DACVP (Clinical Pathology)

This session will provide a brief overview on sampling handling requirements for clinical pathologic testing of bovine blood samples and the diagnostic importance of these results. This discussion will be followed by the presentation of several cases, which will illustrate how clinical pathologic data can help practitioners with diagnosis and disease management.

3:10-3:30

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:30-5:10

What is the Future for Mixed Animal Practice?*

John Ferry, DVM; Harold Fischer, DVM; Lorin Warnick, DVM, PhD, ACVPM (Preventative Medicine); Brenda Carter, DVM

A panel discussion of various business models used in practices that work with both small and large animals; how veterinary practices and services offered by practitioners areevolving to meet needs in the community; how curriculums at veterinary colleges are adapting to prepare practitioners for the challenges of working in a mixed practice; and other mixed-practice issues brought up through audience participation will be discussed.

**This is a practice management course.*

Saturday, October 1

7:30-8:00 **Continential Breakfast**

8:00-9:50

Workshop on Records Analysis and Milk Quality Analysis (Ambulatory Computer Lab)

Ynte Schukken, DVM, MSc, PhD; John Gloss, Dairy Management Resources Group; Francis Welcome, DVM, MBA

The Dairy Records workshop will provide bovine practitioners with the skills to use DHIA printed and computerized data (Dairy Comp 305) to evaluate and manage udder health and milk quality of client farms.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-12:00

Workshop on Records Analysis and Milk Quality Analysis (Ambulatory Computer Lab) — continued

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1:00-1:50

Managing the Bulk Tank Somatic Cell Count

Francis Welcome, DVM, MBA

This presentation will provide strategies that can be used to manage bulk tank milk somatic cell counts and increase the value of milk at the farm. Treatment and management protocols based on pathogen identification to optimize and reduce the use of antimicrobials to treat mastitis will also be discussed.

The mission of the New York State Veterinary Conference presented by the Cornell University College of Veterinary Medicine and the New York State Veterinary Medical Society is to support and advance veterinary medicine by providing dynamic and interactive learning sessions led by renowned experts, capitalizing on the state-of-the-art clinical veterinary facilities at Cornell University, exploring industry developments, and networking with people who share a commitment to the ideals, values and principles of the veterinary profession.

CAMELID/SMALL RUMINANT PROGRAM

Saturday, October 1

7:30-8:00 **Continential Breakfast**

8:00-8:50

CL, CAE & Mycoplasma: Strategies for Control

Joan Rowe, DVM, MPVM, PhD, DACVPM

Integrated approaches to control of the chronic infectious diseases acquired early in life can greatly enhance longevity in the goat herd. Kid rearing strategies, adult herd management concepts and serologic/necropsy surveillance strategies for integrated prevention and control programs for multiple pathogens will be discussed. Clinical herd examples will be incorporated into discussion to illustrate practical strategies for control of caseous lymphadenitis, CAE, mycoplasma and other diseases in dairy and meat goat herds.

9:00-9:50

Use of Reproductive Ultrasound in Small Ruminant Practice

Joan Rowe, DVM, MPVM, PhD, DACVPM

Use of reproductive ultrasonography as a routine management tool for monitoring the female herd reproductive status and for implementing health strategies for the gestating doe will be discussed. Clinical examples will illustrate normal and abnormal pre- and post-breeding ultrasound findings and helpful hints for the practitioner. This session will include a discussion of hydrometra, a common treatable condition in does.

9:50-10:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:10-11:00

Buck Health Management

Joan Rowe, DVM, MPVM, PhD, DACVPM

Inattention to buck health may result in the introduction of disease into the herd by the male, reduced herd reproductive performance through the use of infertile or subfertile males, or shortened lifespan of the buck due to infectious disease or urolithiasis. This session will examine how the practitioner can enhance herd productivity through herd health management planning for the buck herd.

11:10-12:00

Issues Related to Fairs, Shows and Sales for Small Ruminant Veterinarians

Joan Rowe, DVM, MPVM, PhD, DACVPM

Youth project and open competition goats and sheep on exhibition or at breeder sales present special challenges for the practitioner. Issues relating to the veterinarian's role in working with youth and professional competitors, fair managers, and the public, at fairs, shows and sales will be discussed, including clinical examples involving competition livestock, breed sales, petting zoos and livestock nursery displays. Pre-show veterinary examinations, health certification, youth quality assurance, tail docking, welfare and ethics examples will be presented.

12:00-1:00

Lunch

Exhibit Areas

Coffee in the Hagan Room

1:00-2:40

Practical Camelid Reproduction Breeding Behavior and Ultrasound

Stephen R. Purdy, DVM

Practical Camelid Reproduction: A discussion of the practical anatomic and physiological features of the male and female alpaca and llama reproductive systems. Discussion will include uterus, ovaries, vaginal exams, ovulation, uterine sampling techniques, and male reproductive exams including semen collection and analysis.

Breeding Behavior and Ultrasound: A discussion of male and female camelid reproductive behavior testing, including video demonstrations and breeding. The techniques for and ultrasound appearance of the female and male reproductive tracts will also be covered, including uterus, ovaries, follicles, corpus luteum, pregnancy exams and early embryonic development.

2:40-3:10

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:10-4:00

Camelid Dentistry

Stephen R. Purdy, DVM

A discussion of the normal and abnormal appearance of the camelid dental arcade. Corrective dentistry will be covered, including trimming of incisors and fighting teeth, and removal of retained deciduous teeth. Diagnosis and treatment of camelid jaw abscesses will also be covered.

4:10-5:00

Camelid Dermatology

Stephen R. Purdy, DVM

A discussion of the normal appearance of camelid skin and fiber and the diagnosis and treatment of the most common dermatological problems encountered in camelid veterinary practice. Specific abnormalities of feet and skin will be covered, including foot infections, mange, and solar dermatitis.

Sunday, October 2

7:30-8:00 **Continential Breakfast**

8:00-8:50

Updates on Drug Availability and Emerging Issues

Mary Smith, BS, DVM, DACT

Come hear the latest news on new drug approvals for small ruminants and pharmacokinetic studies to guide the extra label use of other drugs in small ruminants and camelids. Audience participation will be encouraged while exploring treatment options for common and not-so-common conditions. The 2009 NAHMS Goat Study will also be summarized.

8:00-9:50

Lab: Small Ruminant Parasitology Lab

Dwight Bowman, MS, PhD; Alice Che Yu Lee, DVM; Araceli Lucio-Forster, PhD; Janice Liotta, Technical Support

This lab will review routine diagnostic procedures used for the identification of common parasitic infections in small ruminants and camelids. These procedures will include qualitative centrifugal flotation, quantitative flotation, Baermann technique for larval recovery, and culture and identification of infective larvae. Participants may bring their own small ruminant and camelid samples to examine, if they wish.

9:00-9:50

Diagnosis and Treatment of Parelaphostrongylus Tenuis Infection in Camelids: A Retrospective Study

Toby Pinn, DVM

Aberrant migration of Parelaphostrongylustenuis in camelids results in neurologic deficits, recumbency and sometimes death. The first objective of this study was to determine the specificity of cerebrospinal fluid (CSF) eosinophil percentage for ante-mortem P. tenuis diagnosis. The second objective was to describe the clinical findings, treatment and outcome of camelids with P. tenuis. Medical records of camelids admitted with neurologic disease to Cornell University were examined.

10:00-10:50

Selenium Deficiency and Possible Ionophore Toxicity in a Group of Camelids

SallyAnne Ness, DVM

White muscle disease due to selenium deficiency is common in the Northeast and can potentiate the toxic effects of ionophores. Presented in this lecture is a group of alpacas with confirmed white muscle disease and suspected ionophore toxicity after being fed a formulated ration containing lasalocid.

10:50-11:10

Brunch

Exhibit Areas

Coffee in the Hagan Room

11:10-1:00

Lab: Camelid Procedures and Dentistry Techniques

Toby Pinn, DVM and Stephen R. Purdy, DVM

This lab will offer a hands-on tutorial in common maintenance camelid dental procedures, along with diagnostic techniques and treatment procedures. Diagnostic techniques will include abdominal and thoracic ultrasound and abdominocentesis. Instruction will be given on jugular catheter placement and orogastric intubation.

COMPANION ANIMAL PROGRAM

Thursday, September 29

6:00-8:00 pm	Conference Registration and Welcome Reception

Friday, September 30

				CAREER CONNECTIONS	
8:00-8:50	The Clinical Approach to Respiratory Distress Dr. Carol Reinero	Ecology and Control of Ticks in New England Dr. Michael Dryden	Canine Lyme Disease - What can we learn from circulating immune complexes? Dr. Richard Goldstein	Negotiating With Co-workers Dr. Carin Smith	Liver Disease in Birds Dr. James Morrisey
9:00-9:50	Chronic Bronchitis Dr. Carol Reinero		Canine Lyme Nephritis - Where are we today? Dr. Richard Goldstein	Negotiating With Clients Dr. Carin Smith	Practical Approach to the Diagnosis of Neuromuscular Diseases Dr. Diane Shelton
9:50-10:10	BREAK				
10:10-11:00	Subclinical Inflammation in Lower Airway Diseases of Dogs and Cats Dr. Carol Reinero	Elucidation of Flea Biology and the Persistent Flea Infestation Dr. Michael Dryden	Renal Colonization in Canine Leptospirosis Dr. Richard Goldstein	Creating Value: How to create value for yourself [or someone else] in your practice Dr. Carin Smith	Myasthenia Gravis and Disorders of Neuromuscular Transmission Dr. Diane Shelton
11:10-12:00	Clinical Consequences of Immune Dysregulation in the Lung Dr. Carol Reinero		Early Diagnosis of Lyme Disease in Dogs: Antibodies to Cell Surface Antigens of B. burgdorferi as Indicators for early and chronic infection stages Dr. Bettina Wagner	Generation, Personality and Style at Work Dr. Carin Smith	Muscular Dystrophy and Congenital Myopathies Dr. Diane Shelton
12:00-1:30	LUNCH				
1:30-2:20	Feline Asthma: Advances in Diagnostics and Therapeutics Dr. Carol Reinero ***James R. Richards Memorial Lecture***	Flea Control: Real Homes, Real Problems, Real Answers Dr. Michael Dryden	Copper Hepatotoxicosis: An Emerging Canine Syndrome, Diagnostic Confusion, and Potential Role of Dietary Copper Dr. Sharon Center	Maximizing Your Clinical Pathology Results: A Case-based approach to avoiding common pre-analytical pitfalls Dr. Deanna Schaefer	Endocrine Myopathies: That stiff senior dog! Dr. Diane Shelton
2:30-3:20	Collection and Interpretation of Respiratory Cytologic Samples Dr. Carol Reinero		Pearls You Should Know Regarding Disorders of the Biliary System in the Dogs Dr. Sharon Center	Hematology in an Emergency Setting, The Value of the Blood Smear Exam Dr. Deanna Schaefer and Dr. Heather Priest *[Lab limited to 50 veterinarians]*	Myositis: Autoimmune, infectious, paraneoplastic? Dr. Diane Shelton
3:20-4:10	BREAK				
4:10-5:00	Interstitial Lung Diseases Dr. Carol Reinero	Canine heartworm update. What we forgot, what we thought we knew and what we need to know: A case based approach Dr. Michael Dryden	Feline Biliary Disorders: Cholangitis/ Cholangiohepatitis, Biliary Cysts, Cystadenomas, and Hepatofibrocystic Disorders Dr. Sharon Center	Hematology in an Emergency Setting, The Value of the Blood Smear Exam continued Dr. Deanna Schaefer and Dr. Heather Priest *[Lab limited to 50 veterinarians]*	Peripheral Neuropathies: Just the Tip of the Iceberg Dr. Diane Shelton
5:00-7:30	PURPLE PARTY & SILENT AUCTION				

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COMPANION ANIMAL PROGRAM

Saturday, October 1

					VETERINARY TECHNICIAN PROGRAM
7:00-8:00	NYSVMS BUSINESS MEETING				
8:00-8:50	Canine Pemphigus 2011 Dr. Danny Scott	Swallowing Disorders in Dogs - More Common Than You Think! Dr. Stanley Marks	NYS Controlled Substance Law Update for Veterinarians Debra M. Hotaling and Timothy J. Dewey	Treatment of Canine IMHA: What's the Evidence? Dr. Catherine Rogers and Dr. Marjory Brooks	Veterinary Hospice Care: What is it and why do we need it? Dr. Katherine Goldberg
9:00-9:50	Canine "Pemphigoid" 2011 Dr. Danny Scott			Do's and Don'ts of Platelet Transfusion Dr. Gretchen L. Schoeffler	End of Life Care for Animals: The Important Role of LVTs Dr. Katherine Goldberg
9:50-10:10	BREAK				
10:10-11:00	Canine Lupus Erythematosus 2011 Dr. Danny Scott	How to Diagnose and Manage Protein-Losing Enteropathies Dr. Stanley Marks	Infectious Hepatopathies Dr. Cynthia R. L. Webster	"Ouch! Bugs, Bees and Vaccines" Dr. Catherine Rogers	A Practical Approach to Head Trauma Management Dr. Daniel Fletcher
11:10-12:00	Art of Elimination Diet Dr. Joseph Wakshlag	Inflammatory Bowel Disease in Dogs and Cats - From Benchtop to Bedside Dr. Stanley Marks	Adverse Drug Reactions and the Liver Dr. Cynthia R. L. Webster	Insulin Choices for the Diabetic: Which Insulin preparation works best? Dr. Mark Peterson	Management of Patients with Respiratory Distress Dr. Daniel Fletcher
12:00-1:00	LUNCH				
1:00-1:50	Atopy: A refresher course for 2011 Dr. William Miller	Wireless Capsule Endoscopy: Revolution in GI Imaging Dr. Alice Che Yu Lee	To bleed or to clot? That is the question. Coagulopathies in liver disease. Dr. Cynthia R. L. Webster	Emergency Procedures for Companion Animals Dr. Gretchen L. Schoeffler, Dr. Catherine Rogers, Dr. Jenefer Stillion, Dr. Kelly Blackstock, Dr. Joel Weltman, and Pati Kirch, LVT *[Lab limited to 18 veterinarians]*	Equine Rescue and Transport Mr. Roger Lauze
2:00-2:50	Demodicosis in 2011 Dr. William Miller	Feline Hyperthyroid Update: Some Things Old but Everything New Dr. Mark Peterson	How bile acids can make you thin: Update on bile acid signaling Dr. Cynthia R. L. Webster		
2:50-3:10	BREAK				
3:10-4:00	Dermatologic Podiatry Dr. William Miller	Clinical Management of Infectious Keratitis in Dogs Dr. Eric Ledbetter	Increased serum enzymes, what do they mean? Dr. Cynthia R. L. Webster	Emergency Procedures for Companion Animals Dr. Gretchen L. Schoeffler, Dr. Catherine Rogers, Dr. Jenefer Stillion, Dr. Kelly Blackstock, Dr. Joel Weltman, and Pati Kirch, LVT *[Lab limited to 18 veterinarians]*	The Role of the Dentistry Technician Sharon Harvey, LVT
4:10-5:00	Keratinization Disorders in 2011 Dr. William Miller				Intraoral Radiology Sharon Harvey, LVT
6:00-10:00	CONFERENCE CELEBRATION / RECEPTION AND DINNER				

Sunday, October 2

					VETERINARY TECHNICIAN PROGRAM
8:00-8:50	Treatment of Canine Heart Failure Dr. Marc Kraus	Feline Triaditis - Current Concepts Dr. Stanley Marks	The veterinarian and distressed wildlife: Do's and Don'ts Dr. George Kollias	MRI Technology for the Veterinarian Dr. Peter Scrivani	NY Continuing Education Requirements for Veterinary Technicians Walter Ramos
9:00-9:50	NY Continuing Education Requirements for Veterinarians Walter Ramos and Barbara Ahern	Chronic Diarrhea - A Clinical Case Challenge Dr. Stanley Marks	Antimicrobial Resistance Testing: What every practitioner should know Dr. Craig Altier	Imaging Anatomy & Clinical MRI Dr. Peter Scrivani	Intraoral Radiology Wet lab Sharon Harvey, LVT and Dr. Santiago Peralta
10:00-10:50	Emergency Neurology Case Studies Dr. Daniel Fletcher		Heartworm Lab: Methods for Diagnosis (Clinical, Serological, and Molecular) Dr. Dwight Bowman, Dr. Marc Kraus, Dr. Mark Rishniw, Dr. Araceli Lucio-Forster, Dr. Alice Che Yu Lee, Janice Liotta	Buying Digital Radiography: 2011 versus 2004 Dr. Margret Thompson	
10:50-11:10	BRUNCH				
11:10-12:00	Beyond Amputation: New treatment strategies for canine osteosarcoma Dr. Kelly Hume	Genetic Screening and Testing for Dogs Dr. Rory Todhunter and Dr. Marta Castelhano	Heartworm Lab: Methods for Diagnosis (Clinical, Serological, and Molecular) continued Dr. Dwight Bowman, Dr. Marc Kraus, Dr. Mark Rishniw, Dr. Araceli Lucio-Forster, Dr. Alice Che Yu Lee, Janice Liotta	Musculoskeletal Radiography Lab Dr. Nathan Dykes	CPR Lab: An interactive, simulation-based approach Dr. Daniel Fletcher and Kelly Skeval, LVT *[Lab limited to 20 veterinary technicians]*
12:10-1:00	Management of Injection Site Sarcomas in Cats Dr. Kelly Hume				
1:10-3:00	VIDEO REPLAY OF TWO FRIDAY SESSIONS (TBA)				

EQUINE, BOVINE, CAMELID/SMALL RUMINANT ANIMAL PROGRAM

Thursday, September 29

6:00-8:00 pm	Conference Registration and Welcome Reception

Friday, September 30

	Equine Track		Bovine Track	
8:00-8:50	News Hour Dr. Norm Ducharme and Dr. Pam Wilkins		Animal drug use on Americas dairy farms, AMDUCA and other useful information Raymond Niles	
9:00-9:25	Management of Blindness in Horses Dr. Ann Dwyer			
9:25-9:50	Regenerative Therapies for Musculoskeletal Injuries in Horses Dr. Lauren Schnabel			
9:50-10:10	BREAK			
10:10-11:00	Prognostic Indicators in Diseases of Foals Dr. Pam Wilkins		Negative Energy Balance in Transition Cows: Consequences and Monitoring Dr. Daryl Nydam	
11:10-12:00	Immunodeficiencies in Horses Dr. Julia Felippe		Managing Milk Components on Dairy Farms Dr. Thomas Overton	
12:00-1:30	LUNCH			
1:30-3:10	Lab A: Immunologic Testing for Horses: What and When Dr. Julia Felippe	Lab B: Best case of the year presentations. Patients that require follow-up with their referring veterinarians Drs. Toby Pinn, Sally Ness, Alanna Zantingh, Mike Maher	Blood cells, biochemistry and bovine practice: A case-based approach to clinical pathology Dr. Tracy Stokol	
3:10-3:30	BREAK			
3:30-5:10	Lab B: Best case of the year presentations. Patients that require follow-up with their referring veterinarians Drs. Toby Pinn, Sally Ness, Alanna Zantingh, Mike Maher	Lab A: Immunologic Testing for Horses: What and When Dr. Julia Felippe	What is the future for mixed animal practice? Dr. John Ferry, Dr. Harold Fischer, Dr. Lorin Warnick, Dr. Brenda Carter	
5:00-7:30	PURPLE PARTY & SILENT AUCTION			

Saturday, October 1

	Equine Track		Bovine Track	Camelid & Small Ruminant
7:00-8:00	NYSVMS BUSINESS MEETING			
8:00-8:50	Progress in Diagnosis and Treatment of Equine Endometritis Dr. Robert O. Gilbert		Workshop on records analysis and milk quality analysis Dr. Ynte Schukken, Dr. John Gloss, Dr. Francis Welcome *[Ambulatory Computer lab]*	CL, CAE & Mycoplasma: Strategies for Control Dr. Joan Rowe
9:00-9:25	Diagnosis of Upper Airway Abnormalities Dr. Jon Cheetham			Use of Reproductive Ultrasound in Small Ruminant Practice Dr. Joan Rowe
9:25-9:50	New Developments in Strangles Dr. Gillian Perkins			
9:50-10:10	BREAK			
10:10-11:00	Update on neurologic diseases I: EPM, Lyme, and Botulism Dr. Amy Johnson		Workshop on records analysis and milk quality analysis continued Dr. Ynte Schukken, Dr. John Gloss, Dr. Francis Welcome	Buck Health Management Dr. Joan Rowe
11:10-12:00	Update on neurologic diseases II: EHV-1, WNV, and more Dr. Amy Johnson			Issues Related to Fairs, Shows and Sales for Small Ruminant Veterinarians Dr. Joan Rowe
12:00-1:00	LUNCH			
1:00-1:50	Lab A: Laparoscopic Assisted Rectal Palpation Dr. Rolfe Radcliffe and Dr. Heidi Reesink	Lab B: Standing Forelimb and Hindlimb Bandage Cast Application and IV Regional Limb Perfusion Dr. Ashlee Watts and Dr. Alanna Zantingh	1:00-1:50 pm Managing the bulk tank somatic cell count Dr. Francis Welcome	Practical Camelid Reproduction Breeding Behavior and Ultrasound Dr. Stephen R. Purdy
1:50-2:40			**Bovine Track Ends**	
2:40-3:10	BREAK			
3:10-4:00	Lab B: Standing Forelimb and Hindlimb Bandage Cast Application and IV Regional Limb Perfusion Dr. Ashlee Watts and Dr. Alanna Zantingh	Lab A: Laparoscopic Assisted Rectal Palpation Dr. Rolfe Radcliffe and Dr. Heidi Reesink		3:10-4:00 pm - Camelid Dentistry Dr. Stephen R. Purdy
4:00-4:50				4:10-5:00 pm - Camelid Dermatology Dr. Stephen R. Purdy
6:00-10:00	CONFERENCE CELEBRATION / RECEPTION AND DINNER			

Sunday, October 2

			Camelid & Small Ruminant	
8:00-8:50			Small Ruminant Parasitology Lab Dr. Araceli Lucio-Forster	Updates on Drug Availability and Emerging Issues Dr. Mary Smith
9:00-9:50				Diagnosis and treatment of Parelaphostrongylus tenuis infection in camelids: A retrospective study Dr. Toby Pinn
10:00-10:50				Selenium Deficiency and Possible Ionophore Toxicity in a Group of Camelids Dr. SallyAnne Ness
10:50-11:10			BRUNCH	
11:10-1:00				Lab: Camelid Procedures and Dentistry Techniques Dr. Toby Pinn and Dr. Stephen R. Purdy