

Advanced Equine Neurology: October 21-23, 2024
Spy Coast Farm | Lexington, KY

DAY 1 Monday, October 21, 2024		
Time (Eastern Time)	Topic	Presenter(s) / Location
7:30-8:00 am	Registration	<i>Lobby</i>
8:00-8:15 am	Welcome and Introductions	<i>Dr. Steve Reed</i>
8:15-9:15 am	Lecture: Neuroanatomy: Important structures and changes <ul style="list-style-type: none"> Review of normal CNS and applicable PNS anatomy What anatomical structures can be appreciated or not appreciated based on the advanced imaging modality Correlates of imaging and postmortem findings based on disease process 	<i>Dr. Jennifer Janes, Dr. Katherine Garrett</i>
9:15-10:05 am	Lecture: Treating trauma and seizures and MRI vs CT in trauma cases <ul style="list-style-type: none"> Review the indications, including strengths and limitations, for CT and MRI in trauma cases Discuss imaging findings in trauma cases using case examples 	<i>Dr. Tom Divers, Dr. Katherine Garrett</i>
10:05-10:20 am	Break	<i>Lobby</i>
10:20-11:10 am	Lecture: Intervertebral foramen assessment and complicated CT findings <ul style="list-style-type: none"> Review CT anatomy Review imaging findings in the intervertebral foramen region Discuss imaging findings in complicated CT cases and potential clinical relevance as well as areas where further research is needed to better define clinical relevance 	<i>Dr. Katherine Garrett</i>
11:10-12:00 pm	Lecture: Electrodiagnostics	<i>Dr. Monica Aleman</i>
12:00-1:00 pm	Lunch	



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<p>1:00-6:00 pm (Break 3:15-3:45)</p>	<p>Labs – 1 hour per station with 30-minute break in the middle; rotate through 4 of 6 stations</p> <ul style="list-style-type: none"> • Neurologic exam • Electrodiagnostics • Facet injections and nerve root approaches <ul style="list-style-type: none"> • Identify anatomic landmarks for ultrasound-guided injections of the synovial joints • Identify anatomic landmarks for ultrasound-guided injections of the perineural region of the spinal nerves • Evaluation of the skull/neck on radiographs and CT <ul style="list-style-type: none"> • Review normal radiographic and CT anatomy • Review common pathology found on radiographic and CT examinations 	<p>All</p>
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DAY 2 Tuesday, October 22, 2024		
Time (Eastern Time)	Topic	Presenter(s) / Location
8:00-8:50am	Lecture: Forebrain disease <ul style="list-style-type: none"> Metabolic causes of neurologic disease Encephalitis 	<i>Dr. Tom Divers</i>
8:50-9:40 am	Lecture: CVCM: Causes, Diagnostics, treatment and outcomes <ul style="list-style-type: none"> Review of clinical presentations and how it overlaps or differs from other common equine neurologic diseases Pros and cons of advanced imaging modalities in reaching a clinical diagnosis of CVSM Treatment options, prognosis and expectations based on various clinical presentations of CVSM Review of observed orthopaedic pathology that leads to CVSM Update on various contributing factors that can lead to development of CVSM 	<i>Dr. Steve Reed, Dr. Jennifer Janes</i>
9:40-10:30am	Lecture: Neuroborreliosis and Neurotoxins	<i>Dr. Tom Divers, Dr. Amy Johnson</i>
10:30-10:45 am	Break	
10:30-11:20 am	Lecture: Genetics of Neurologic Disease	<i>Dr. Carrie Finno</i>
11:20 am- 12:10pm	Lecture: EPM treatment strategies	<i>Dr. Steve Reed</i>
12:10-1:10 pm	Lunch	
1:10-2:00 pm	Lecture: EDM <ul style="list-style-type: none"> Atypical presentations and new diagnostics Vitamin E deficiency and supplementation 	<i>Dr. Amy Johnson and Carrie Finno</i>
2:00-2:50 pm	Lecture: Sleep disorders	<i>Dr. Monica Aleman</i>



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2:30-2:45 pm	Break	
2:45-5:00 pm	<p>Interactive labs:</p> <ul style="list-style-type: none"> • Rehabilitation techniques • Neck dissection <ul style="list-style-type: none"> • Become familiar with anatomical structures • Discuss approaches to dissection of the equine vertebral column based on clinical signs or suspected disease • Hands on instruction dissecting articular process joints • Neurologic examination (2 groups) 	All



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DAY 3 Wednesday, October 23, 2024		
Time (Eastern Time)	Topic	Presenter(s) / Location
8:00-11:30 am (Break 10:10-10:30 am)	Interactive labs: <ul style="list-style-type: none"> • Rehabilitation techniques • Neck dissection • Neurologic examination (2 groups) 	All
11:30 am-12:10 pm	Lunch	
12:10-1:00 pm	Neurologic disease in foals	<i>Dr. Tom Divers</i>
1:00-2:45	Complicated Cases – Cases submitted by participants and/or lecturers with full signalment, history, videos and imaging for group discussion.	All



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