

## Advanced Equine Neurology: On Demand

Agenda		
Session Duration	Topic	Presenter(s) / Location
60 minutes	<p><b>Lecture: Neuroanatomy: Important structures and changes</b></p> <ul style="list-style-type: none"> <li>• Review of normal CNS and applicable PNS anatomy</li> <li>• What anatomical structures can be appreciated or not appreciated based on the advanced imaging modality</li> <li>• Correlates of imaging and postmortem findings based on disease process</li> </ul>	<p><i>Dr. Jennifer Janes, Dr. Katherine Garrett</i></p>
50 minutes	<p><b>Lecture: Treating trauma and seizures and MRI vs CT in trauma cases</b></p> <ul style="list-style-type: none"> <li>• Review the indications, including strengths and limitations, for CT and MRI in trauma cases</li> <li>• Discuss imaging findings in trauma cases using case examples</li> </ul>	<p><i>Dr. Tom Divers, Dr. Katherine Garrett</i></p>
50 minutes	<p><b>Lecture: Intervertebral foramen assessment and complicated CT findings</b></p> <ul style="list-style-type: none"> <li>• Review CT anatomy</li> <li>• Review imaging findings in the intervertebral foramen region</li> <li>• 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</li> </ul>	<p><i>Dr. Katherine Garrett</i></p>
50 minutes	<ul style="list-style-type: none"> <li>• <b>Lecture: Electrodiagnostics</b></li> </ul>	<p><i>Dr. Monica Aleman</i></p>

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Session Duration	Topic	Presenter(s) / Location
50 minutes	<b>Lecture: Forebrain disease</b> <ul style="list-style-type: none"> <li>• Metabolic causes of neurologic disease</li> <li>• Encephalitis</li> </ul>	<i>Dr. Tom Divers</i>
50 minutes	<b>Lecture: CVCM, Causes, Diagnostics, treatment and outcomes</b> <ul style="list-style-type: none"> <li>• Review of clinical presentations and how it overlaps or differs from other common equine neurologic diseases</li> <li>• Pros and cons of advanced imaging modalities in reaching a clinical diagnosis of CVSM</li> <li>• Treatment options, prognosis and expectations based on various clinical presentations of CVSM</li> <li>• Review of observed orthopaedic pathology that leads to CVSM</li> <li>• Update on various contributing factors that can lead to development of CVSM</li> </ul>	<i>Dr. Steve Reed, Dr. Jennifer Janes</i>
50 minutes	<b>Lecture: Neuroborreliosis and Neurotoxins</b>	<i>Dr. Tom Divers, Dr. Amy Johnson</i>
50 minutes	<b>Lecture: Genetics of Neurologic Disease</b>	<i>Dr. Carrie Finno</i>
50 minutes	<b>Lecture: EPM treatment strategies</b>	<i>Dr. Steve Reed</i>
50 minutes	<b>Lecture: EDM</b> <ul style="list-style-type: none"> <li>• Atypical presentations and new diagnostics</li> <li>• Vitamin E deficiency and supplementation</li> </ul>	<i>Dr. Amy Johnson and Carrie Finno</i>
50 minutes	<b>Lecture: Sleep disorders</b>	<i>Dr. Monica Aleman</i>

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Session Duration	Topic	Presenter(s) / Location
50 minutes	<b>Neurologic disease in foals</b>	<i>Dr. Tom Divers</i>
90 minutes	<b>Complicated cases</b> – Cases submitted by participants and/or lecturers with full signalment, history, videos and imaging for group discussion.	All