

Advanced Equine Endocrinology  
Live Virtual Course | Date: October 5-6, 2026

Sponsored by



DAY 1: Monday, October 5, 2026

Time (Mountain Time)	Topic	Presenter(s)
8:00 -- 8:15 am	<b>Welcome and Introductions</b>	<i>Dr. François-René Bertin</i>
8:15 -- 9:15 am	Equine Endocrine Physiology <ul style="list-style-type: none"> <li>Understand the unique functions of the equine hypothalamic-pituitary-adrenal and thyroid axes, calcium and phosphorus homeostasis, and the regulation of energy and metabolism in horses and foals.</li> <li>Recognize the complexity of hormonal interactions in health and the challenges in interpreting hormone concentrations in horses.</li> </ul>	<i>Dr. Katarzyna Dembek</i>
9:15 -- 10:15 am	Endocrinology in Foals <ul style="list-style-type: none"> <li>Understand the specific roles of the hypothalamic-pituitary-adrenal axis, adrenal steroids, and neurosteroids, and how energy and metabolism are regulated in neonatal foals.</li> <li>Recognize the complexity of hormonal interactions in health and critical illness in foals.</li> <li>Understand current diagnostic and therapeutic approaches for common endocrinopathies in critically ill foals.</li> </ul>	<i>Dr. Kelsey Hart</i> <i>Dr. Katarzyna Dembek</i>
10:15 -- 10:30 am	<b>Break</b>	
10:30 -- 11:30 am	Endocrinology in Inflammation <ul style="list-style-type: none"> <li>Understand how the immune and endocrine systems are activated and interact during critical illness and systemic inflammation.</li> <li>Understand the clinical consequences, diagnosis, and management of endocrine dysfunction during critical illness in horses</li> <li>Understand what is currently understood about immune function in PPID and EMS/insulin dysregulation.</li> </ul>	<i>Dr. Kelsey Hart</i>

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11:30 -- 12:30 pm	<p>Endocrine Disorders and Reproduction</p> <ul style="list-style-type: none"> <li>• Endocrine diseases such as pituitary pars intermedia dysfunction and equine metabolic syndrome are common in the equine population, especially as horses age.</li> <li>• Endocrine diseases have diverse effects on equine reproductive performance, including altered estrous cycles, ovulation failure, decreased fertility, and changes to lactation.</li> <li>• Diagnosis and management strategies remain paramount for managing endocrinopathies to advocate for future reproductive success.</li> </ul>	<i>Dr. Theresa Beachler</i>
12:30 -- 1:30 pm	<b>Lunch</b>	
1:30 -- 2:30 pm	<p>Calcium and Phosphorus in Horses</p> <ul style="list-style-type: none"> <li>• Discuss equine calcium and phosphorus physiology, including factors involved in their regulation.</li> <li>• Discuss disorders of calcium and phosphorus regulation in horses, including their pathophysiology.</li> <li>• List diagnostics and treatments for equine calcium and phosphorus disorders.</li> </ul>	<i>Dr. Ramiro Toribio</i>
2:30 -- 3:30 pm	<p>Lipid Metabolism</p> <ul style="list-style-type: none"> <li>• Summarize the physiological pathways of lipid metabolism and the mechanisms by which lipids are utilized as an energy source.</li> <li>• Describe the process of lipid storage within adipose tissue and the factors that influence mobilization.</li> <li>• Explain the role of adipose tissue as an active endocrine organ, including the secretion of adipokines and their systemic effects.</li> <li>• Understand the pathophysiologic mechanism and dysregulation of lipid metabolism leading to hyperlipemia.</li> <li>• Analyze the relationship between lipid dysregulation, obesity, and insulin dysregulation in equine metabolic syndrome.</li> </ul>	<i>Dr. Laura Dunbar Hostnick</i>

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DAY 1 (cont.) Monday, October 5, 2026		
Time (Mountain Time)	Topic	Presenter(s)
3:30 -- 3:45 pm	<b>Break</b>	
3:45 -- 4:45 pm	Thyroid Function and Dysfunction <ul style="list-style-type: none"> <li>• Present the main thyroid disorders in adult horses.</li> <li>• Recognise the clinical features of thyroid disorders in foals.</li> <li>• Describe the role of thyroid hormone supplementation in horses.</li> </ul>	<i>Dr. François-René Bertin</i>
4:45 -- 5:45 pm	Panel Discussion <ul style="list-style-type: none"> <li>• Discuss equine endocrinology physiology, inflammation, and disorders.</li> <li>• Discuss endocrine topics in foals.</li> <li>• Explore calcium and phosphorous and lipid metabolism in horses.</li> <li>• Discuss thyroid function and dysfunction.</li> </ul>	<i>Dr. Kelsey Hart</i> <i>Dr. Katarzyna Dembek</i> <i>Dr. Theresa Beachler</i> <i>Dr. Ramiro Toribio</i> <i>Dr. Laura Dunbar Hostnick</i> <i>Dr. François-René Bertin</i>  <i>Moderator: TBD</i>
5:45 pm	<b>Close Day 1</b>	<i>Dr. François-René Bertin</i>

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**DAY 2**  
**Tuesday, October 6, 2026**

Time (Mountain Time)	Topic	Presenter(s)
8:00 – 9:00 am	<p>PPID: Management Beyond Prascend</p> <ul style="list-style-type: none"> <li>• Understand current pharmacologic options for pituitary pars intermedia dysfunction.</li> <li>• Implement non-pharmaceutical management strategies in geriatric horses.</li> <li>• Adjust management of pituitary pars intermedia dysfunction to the response to therapy.</li> </ul>	<i>Dr. François-René Bertin</i>
9:00 – 10:00 am	<p>EMS: SGLT2i and Long-Term Management</p> <ul style="list-style-type: none"> <li>• Apply evidence-based dietary and exercise strategies.</li> <li>• Recognize emerging pharmaceutical therapies for insulin dysregulation in equine metabolic syndrome.</li> <li>• Adjust management of equine metabolic syndrome to the response to therapy.</li> </ul>	<i>Dr. François-René Bertin</i>
10:00 – 10:15 am	<b>Break</b>	
10:15 – 11:15 am	<p>Nutrition of the Horse with PPID</p> <ul style="list-style-type: none"> <li>• PPID includes equids with a wide range of severity of clinical signs, body condition scores, insulin status and exercise levels. Diet should be tailored to the individual rather than using a generic diet for this condition.</li> <li>• Insulin dysregulation is common in PPID and must be considered in the dietary plan.</li> <li>• Dental disease is common in equids with PPID and should be considered in diet formulation. Forage replacers may be useful in affected cases.</li> </ul>	<i>Dr. Edd Knowles</i>

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DAY 2 (cont.) Tuesday, October 6, 2026		
Time (Mountain Time)	Topic	Presenter(s)
11:15 – 12:15 pm	<p>Nutrition of the EMS horse (Obese and Lean)</p> <ul style="list-style-type: none"> <li>• Insulin responses to dietary stimulus vary considerably amongst EMS cases and exacerbated responses may be seen to meals as low as 0.1g/kg bwt NSC. Individual monitoring is important.</li> <li>• Long-term feeding of soaked hay alone risks dietary deficiencies. Protein, vitamin and mineral needs must be considered.</li> <li>• Dietary control alone may be difficult or may not result in a sufficiently fast response in some cases. Medical treatment can be used as an adjunct (rather than alternative) to dietary control.</li> </ul>	<i>Dr. Edd Knowles</i>
12:15 – 1:15 pm	<b>Lunch</b>	
1:15 – 2:15 pm	<p>Hyperinsulinaemia-associated Laminitis</p> <ul style="list-style-type: none"> <li>• Understand how insulin damages the lamellae.</li> <li>• Make a diagnosis of acute or subtle, subclinical hyperinsulinemia-associated laminitis from plain digital radiographs.</li> <li>• Formulate strategies for prevention and treatment of hyperinsulinemia-associated laminitis.</li> </ul>	<i>Dr. Andrew van Eps</i>
2:15 – 3:15 pm	<p>Metabolic Disorders of Donkeys</p> <ul style="list-style-type: none"> <li>• Describe known physiology differences between donkeys and horses.</li> <li>• Review published research relating to donkey metabolic diseases.</li> <li>• Discuss management techniques for donkeys with metabolic disorders.</li> </ul>	<i>Dr. Emily Berryhill</i>
3:15-3:30 pm	<b>Break</b>	
3:30 – 5:15 pm	<p>Bring Your Cases Panel Discussion</p> <ul style="list-style-type: none"> <li>• Explore and investigate current cases.</li> <li>• Apply topics to example case-studies.</li> </ul>	<i>Dr. François-René Bertin, Dr. Andrew van Eps Dr. Emily Berryhill Moderator: TBD</i>
5: 15 pm	<b>Closing Remarks</b>	