

Guillaume Hoareau

Pathophysiology of haemorrhagic shock | *Guillaume Hoareau*

This lecture will delve into the underlying mechanisms of hemorrhagic shock, focusing on the cellular and systemic pathophysiological changes induced by severe blood loss. Attendees will gain an advanced understanding of how hypoperfusion, oxygen deprivation, and inflammatory cascades contribute to organ dysfunction and mortality. The session will also discuss translational insights for improving clinical outcomes in veterinary patients.

Assessment and management of haemorrhagic shock | *Guillaume Hoareau*

This lecture will provide a comprehensive guide to the clinical evaluation and treatment of hemorrhagic shock in veterinary patients. Key topics include advanced diagnostic tools, point-of-care ultrasound, evidence-based therapeutic strategies for volume resuscitation, hemorrhage control, and organ support. The session aims to equip practitioners with practical skills to enhance patient survival and recovery.

Mitochondria Injury in Critical Illness: mechanisms and mitigation strategies | *Guillaume Hoareau*

This lecture will explore the role of mitochondrial dysfunction in critical illness, focusing on ischemia-reperfusion injury. Attendees will learn about the mechanisms driving mitochondrial injury and the latest approaches to mitigating these effects, including emerging therapeutics targeting mitochondrial preservation. This session bridges foundational science with clinical applications, fostering improved care for critically ill veterinary patients.