

Controversies and pearls of fluid therapy in critical care

The lecture is focused on current controversies regarding fluid therapy in small animal critical care settings. Assessment of volume status, fluid choices and monitoring of fluid responsiveness will be covered. The lectures has a particular focus on fluid management in AKI and relative ongoing debate, dogmas and updates.

Extracorporeal treatment of toxicities

The lectures focuses on the peculiar use of extracorporeal therapy (hemodialysis, hemoperfusion, plasmapheresis) as emergency treatment of intoxications and drug overdoses in small animal patients. The case selection as well as the choice of the most effective extracorporeal therapy are discussed. Clinical examples of specific intoxications are presented to better clarify the efficacy of extracorporeal treatments in this setting.

Locoregional anesthesia in ER

The use of regional anesthesia is now common practice in the perioperative period in small animal medicine. The role of locoregional anesthetic techniques in emergency and critical care setting is still however largely overlooked. The lecture will focus on the application of locoregional anesthetic techniques in ER and ICU setting with relevant clinical examples, therapeutic recommendations, and relative contraindications.

Volume overload, prevention, identification and management

Iatrogenic overhydration is a very common complication in hospitalized small animal patients. The cause of it is often a large over-estimation of the fluid patient needs and fluid deficits compared to the actual needs. Critically ill patients are at higher risk to develop volume overload compared to healthy patients, because of the dysregulation of cardiovascular, renal and hormonal systems responsible for the maintenance of volume homeostasis. The lecture focuses on the prevention, recognition, and possible treatment of volume overload in small animal critical care.