

**Title: Sepsis - A defining moment?**

In 2016, SCCM launched new definitions for sepsis. Veterinary medicine is still using modified versions of the 2001 SCCM consensus definitions. In this presentation, I will ask the questions – do we need new definitions for sepsis in veterinary medicine? And if so, how can we, should we and do we define sepsis in veterinary medicine?

**Title: Sepsis - Toward individualized medicine**

Advances in technology are improving our understanding of the individual host responses to infection that are defining subsets of sepsis. These improvements in understanding offer the tantalizing prospect of individualized medicine targeted to individual physiology. In this presentation I will discuss some of these new developments, look for correlations in the veterinary field and ask whether individualized medicine for sepsis is something to which we can aspire?

**Title: Update on IMHA and ITP**

Recently the ACVIM generated guidelines for the diagnosis and treatment of IMHA and similar guidelines for ITP are being developed. This presentation will examine recent developments in the management of these conditions and provide updates and future directions on novel diagnostics and novel therapies in these fields.

**Title: Thrombosis - Predicting risk and optimizing therapy**

The ACVECC CURATIVE guidelines on use of antithrombotic medications in small animals were recently published. This presentation will discuss how we can attempt to identify patients at-risk of thrombosis and discuss how the therapeutic guidelines can be applied to clinical patients to maximize outcomes.

**Title: Novel ventilation modes**

Modern ventilators come replete with numerous modes of ventilation including various proprietary terms like BiLevel and BiVent and with fancy, technical and futuristic names including proportional assist ventilation, neurally-assisted ventilatory assist, adaptive support ventilation. What are these modes? Do you need any of them? What patients might benefit? This presentation will discuss some of these newer modes of ventilation and explore how they might be used and how they might be useful in veterinary medicine.

**Title: Mistakes I have made- how to do a better research**

In this resident-focused presentation, I will discuss some of the many errors that I have made during my short research career! I hope that by sharing some of these I can enable others to avoid the pitfalls I've tumbled into and prevent the blunders I've made so that they can be more successful, more productive and less stressed about research in the future.