



**Friday 10<sup>th</sup> October 2025 | Beckbury 1 & 2 | 12:00-13:00**

**Speaker:** Keith Simpson BVSc MRCVS MIET and Karen Heskin BVSc CertSAO MSc(VAA) MRCVS

**Title:** Ventilation Essentials – Burtons Clinical Teaching



Keith Simpson qualified from Bristol Vet School in 1986 and began his career in mixed practice in North Devon. In 1992 whilst still in practice, Keith started Vetronic Services and in 1996 became a member of the Institute of Engineering and Technology. Keith grew the business over the next 25 years by designing and developing veterinary-specific monitors and ventilators, many of which are now used world-wide. Keith now heads up the in-house Clinical Team at Burtons Medical, developing innovative CPD, as well as focusing on new product design. Keith has been teaching ventilation and monitoring principles for over 20 years.



After qualifying from the University of Liverpool, Karen started her veterinary career as a small animal GP. Achieving the RCVS CertSAO then led to more than a decade in human orthopaedic research and veterinary orthopaedic referrals. A change of direction as a Veterinary Technical Manager, with an almost exclusive focus on anaesthesia, steered her towards an MSc in Veterinary Anaesthesia and Analgesia, and in July 2024 Karen joined the Clinical Team at Burtons Medical Equipment Ltd as Veterinary Clinical Consultant (Anaesthesia).

### **Synopsis:**

We are all familiar with manual intermittent positive pressure ventilation (IPPV) i.e. “bagging” a patient, but how can we be sure we are providing what we think we are providing? Are we limited to using a circle or T-piece for manual ventilation? What about Lacks and mini-Lacks? And what about mechanical ventilation?

Filled with entertaining demonstrations, this session will examine why we might need to ventilate a patient and will review what happens during both manual and mechanical IPPV, the differences compared to spontaneous breathing, and the effects of IPPV on the patient.

Keith and Karen will discuss how to implement the most commonly utilised form of IPPV - volume cycling, and will also review how to introduce a patient to mechanical IPPV and how to wean them off.