

Special Issue

Respiratory Mechanics in Veterinary Anaesthesia

Message from the Guest Editors

The correct interpretation of respiratory physiology under sedation, anaesthesia and recovery is essential to guide clinical decisions in spontaneously breathing and mechanically ventilated animals. Thorough knowledge and understanding of respiratory mechanics (measurement of gas flow, pressure, volume, compliance and resistance) is one of the cornerstones for this interpretation and represents an intellectual and technical challenge. Improving the performance and understanding of currently used ventilatory techniques and developing new methods of monitoring of the respiratory system should contribute to improving ventilation strategies and the outcomes of patients that need ventilatory support. Manuscripts that address any aspect of respiratory mechanics in any animal species are invited for this Special Issue. Topics of interest include (but are not limited to) spirometry, innovative experimental or clinical ventilatory strategies, and monitoring innovations with a special focus on measuring and discussing respiratory mechanics.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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