Advances in Image-Guided Veterinary Surgery

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Deadline for manuscript submissions:
30 October 2024

Message from the Guest Editors

Dear Colleagues,

In the past few decades, medical imaging has been used as a preoperative and/or intraoperative guide for veterinary surgeons. Imaging systems, such as X-rays, fluoroscopy, ultrasonography, CT and MRI, provide surgeons with a detailed and patient-specific anatomic description of the designated area before surgery. Moreover, intraoperative imaging can guide the surgical procedures. Imaging techniques can be used in open surgeries, minimally invasive surgeries or diagnostic/therapeutic procedures. This multidisciplinary approach enhances the safety and improves the accuracy of the surgery, reduces tissue trauma (especially using minimally invasive image-guided surgery or interventional procedures), helps to identify tumor margins and finally improves the outcome.

This Special Issue of *Animals* aims to collect the most significant and recent research regarding the use of preoperative and intraoperative medical imaging techniques used to support veterinary surgery. Authors are invited to submit relevant research studies, review articles and case reports about image-guided surgery in veterinary medicine.

Guest Editors

Special Issue

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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: 3.0 (2022, ranks 12 /62 (Q1) in 'Agriculture, Dairy & Animal Science'; 13/143 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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