

Special Issue

Advances in Image-Guided Veterinary Surgery: Second Edition

Message from the Guest Editors

Imaging systems, such as X-rays, fluoroscopy, ultrasound, CT, and MRI, are commonly used as preoperative guidance for veterinary surgeons, providing them with a detailed, patient-specific anatomical description of the designated area. In addition, intraoperative imaging allows the surgeon to track surgical instruments in hybrid operating rooms in order to directly or indirectly guide surgical procedures. This multidisciplinary approach improves the safety and accuracy of the surgical procedure, reducing tissue trauma and improving the outcome. Recently, extended reality has been applied to surgical planning and approaches, improving the operative experience, reducing operative times, and lowering the rate of surgical errors. We welcome original research, review articles, and relevant clinical cases from around the world. Submitted articles should address advances in the use of perioperative medical imaging techniques to support surgical procedures.

Guest Editors

Dr. Antonello Bufalari
Dr. Andrea Corda
Dr. Domenico Caivano

Deadline for manuscript submissions

closed (15 May 2026)



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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.

Editor-in-Chief

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