

Special Issue

New Surgical Techniques for Small Animal Surgery and Their Applications

Message from the Guest Editors

New surgical techniques are constantly being developed to improve the safety, efficacy, and minimally invasive nature of surgical procedures in small animals. The advancement of small surgery is supported across four vectors: surgical planning, less invasive surgical techniques, use of new surgical devices/biomaterials, and decreasing surgical complications. The decrease in surgical complications is related to the use of new technologies in surgery due to the less invasive nature of the procedures, the progressive atraumatic handling of tissues, meticulous hemostasis provided, and the reduction in surgical duration, which also decreases postoperative infection rates. The incorporation of surgical state-of-the-art technology has had a profound impact on the field of veterinary surgery, allowing surgeons to treat a wider range of conditions with greater precision and reduced recovery times.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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