Special Issue

Spinal Cord Compression: Molecular, Cellular and Therapeutic Aspects

Message from the Guest Editor

Spinal cord compression could result from both atraumatic and traumatic causes. Despite the protection from the spinal vertebra, occasionally, the spinal cord is faced with an assortment of compressive forces that are caused by blood clots, neoplastic growth, infections, ectopic bone growth, or the protrusion of intervertebral discs within the restricted area of the spinal epidural space and meninges. A more drastic compression force comes from falls, traffic accidents, sports injuries, etc. To date, the only available therapy has involved drastic surgery and the systematic use of drugs, and surgery was only aided by medical examinations rather than images. The molecular and cellular study of spinal cord compression would benefit from the identification of biomarkers, which could be used as a diagnostic indication and/or a drug target for new therapies. This Special Issue of *Biomedicines* focuses on recent advances in the characterization of molecular and cellular events that are involved in spinal cord compression. These may provide valuable information for the diagnosis as well as treatment of the injury.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

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