

Special Issue

Cancer Pain: Advances in Pathophysiology and Management

Message from the Guest Editors

Cancer pain is one of the most common and debilitating consequences of malignancy, typically presenting as a complex mix of nociceptive, neuropathic, and nociplastic mechanisms. It stems from tumor-related tissue damage, inflammatory mediator release, nerve compression or infiltration, and treatment-induced neurotoxicity. Growing evidence highlights critical tumor–neuron–immune interactions that contribute to peripheral and central sensitization. Effective management therefore requires a mechanism-based, multidisciplinary approach combining pharmacological and non-pharmacological strategies. Opioids and NSAIDs remain central for moderate-to-severe pain, supported by adjuvants such as gabapentinoids, antidepressants, corticosteroids, and anti-resorptive agents. For refractory or complex cases, interventional options such as targeted nerve blocks, neuromodulation, and vertebral augmentation may provide added benefit. Early evaluation and individualized multimodal care are essential to optimize analgesia and maintain quality of life. This Special Issue highlights emerging insights and innovative approaches to advance cancer pain management.

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About the Journal

Message from the Editor-in-Chief

Cancers (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its open access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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