

Special Issue

Brain Metastases in Breast Cancer

Message from the Guest Editors

Breast cancer is the second most frequent cause of brain metastases after lung cancer, with an estimated occurrence of 10-30%. Paradoxically, increased efficacy of breast cancer treatment allows more time for the development of brain metastases. In consequence, this problem is becoming increasingly important and remains an unmet need. The prognosis of breast cancer patients with brain metastases is generally poor. Their management includes neurosurgery, radiotherapy, and systemic therapies. Most anticancer agents show limited penetrance through the blood-brain barrier, making the brain a “sanctuary site.” Recently, there has been a shift from combating established brain metastases to preventive strategies. The knowledge on the mechanisms of brain-specific metastatic process and on the role of the unique brain microenvironment is still limited. Currently available molecular techniques allow analysis of thousands of genes, and researchers have hopes they can pave the way to new preventive and therapeutic strategies.

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in 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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