

Metastasis of Breast Cancer to the Lungs: Implications of Molecular Biology and Treatment Options

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Abstract : The majority of deaths in cancer patients are caused by distant metastasis. Breast cancer shows a unique spread pattern, often affecting bone, liver, lung, and brain. Breast cancer can be categorized into various subtypes according to gene expression patterns, and these subtypes exhibit specific preferences for organs where metastasis occurs. Breast tumors with luminal characteristics have a preference for spreading to the bone, whereas basal-like breast cancer (BLBC) shows a tendency to metastasize to the lungs. Still, the mechanisms behind this particular pattern of metastasis in organs have yet to be fully understood. In this evaluation, we will outline the latest progress in molecular signaling pathways and treatment methods for breast cancer lung metastasis.

Keywords : lung cancer, liver cancer, diagnosis, BLBC, metastasis

Conference Title : ICO 2024 : International Conference on Oncology

Conference Location : Rome, Italy

Conference Dates : May 02-03, 2024