

Breast Cancer Bone Metastasis and the Endosteal Niche

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Abstract

Breast cancer is the most common malignancy in women worldwide and is a major cause of morbidity and mortality. Bone metastases are a common complication of breast cancer, and the endosteal niche is a key site for their development. This review discusses the mechanisms of breast cancer bone metastasis and the role of the endosteal niche in this process. We will explore the interactions between cancer cells and the bone microenvironment, including the role of osteoclasts and osteoblasts. We will also discuss the potential for therapeutic interventions targeting the endosteal niche to prevent or treat breast cancer bone metastases.



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