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Role of platelets and breast cancer stem cells in metastasis"

Gretel Mendoza-Almanza, Luis Burciaga- Hernández, Vilma Maldonado, Jorge Melendez- Zajgla, Jorge Olmos

Abstract

Breast cancer high mortality rate is mainly induced by cancer cells metastatic ability, resistance to chemotherapy and radiotherapy, and tumor regression capacity. In recent years, it has been shown that the presence of breast cancer stem cells is closely

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Abstract. Platelets, primarily known for their role in hemostasis, are now recognized to play an integral role in cancer progression and metastasis. Recent evidence has established that platelets are **activated by contact with breast tumor cells, leading to the release of hundreds of growth factors, cytokines, chemokines and angiogenesis mediators that could influence tumor growth and metastasis.**

Author: Kelly Elizabeth Johnson, Kellie R Mac... Publish Year: 2015

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Cancer stem cells have a central role in breast cancer progression because they are **involved in tumorigenesis and resistance to therapeutic regimens.** Several clinical studies have found a correlation between the increase in CSC number and the presence of metastasis.

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