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Title: Cancer Stem Cells and Early Stage Basal-like Breast Cancer

Pang-Kuo Lo, Benjamin Wolfson, Qun Zhou

Abstract

Ductal carcinoma *in situ* (DCIS) is a category of early stage, non-invasive breast tumor defined by the intraductal proliferation of malignant breast epithelial cells. DCIS is a heterogeneous disease composed of multiple molecular subtypes including luminal, HER2 and basal-like types, which are characterized by immunohistochemical analyses and gene expression profiling. Following surgical and radiation therapies, patients with luminal-type, estrogen receptor α -positive DCIS breast tumors can benefit from adjuvant endocrine-based treatment. However, there are no available targeted therapies

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