

## MINIMAL RESIDUAL DISEASE AND CIRCULATING TUMOR CELLS IN BREAST CANCER

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Minimal residual disease and circulating tumor cells in  
Tumor cell dissemination in bone marrow or other organs  
is thought to represent an important step in the metastatic  
process. The detection of bone marrow disseminated tumor  
cells is associated with worse outcome in early breast  
cancer.  
Minimal residual disease and circulating tumor cells in  
...  
The detection of bone marrow disseminated tumor cells is  
associated with worse outcome in early breast cancer.  
Moreover, the detection of peripheral blood circulating  
tumor cells is an adverse prognostic factor in metastatic  
breast cancer, and emerging data suggest that this is also  
true for early disease.  
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in ...  
circulating DNA [48, 49] and studies of serum plasma  
microRNAs [50, 51] hold great promise for non-invasive  
monitoring of MRD in breast cancer.  
Minimal Residual Disease and Circulating Tumor Cells  
in ...  
CTCs and DTCs are considered surrogates of minimal  
residual disease, i.e., the presence of malignant cells in  
distant organs that are undetectable by conventional  
imaging and laboratory tests used for tumor staging after  
curative surgery of the primary tumor.  
Minimal Residual Disease and Circulating Tumor Cells  
in ...  
Minimal Residual Disease and Circulating Tumor Cells in  
Breast Cancer: 195 (Recent Results in Cancer Research)  
eBook: Michail Ignatiadis, Christos Sotiriou, Klaus Pantel;  
Amazon.ca: Kindle Store  
Minimal residual disease in breast cancer: an overview  
of ...  
Within the field of cancer research, focus on the study of  
minimal residual disease (MRD) in the context of  
carcinoma has grown exponentially over the past several  
years. MRD encompasses circulating tumour cells (CTCs)  
cancer cells on the move via the circulatory or lymphatic  
system, disseminated tumour cells (DTCs) cancer cells  
which have escaped into a distant site (most studies have  
focused on bone marrow), and resistant cancer cells  
surviving therapy be they local or distant, all  
Minimal residual disease - an overview | ScienceDirect  
Topics  
Minimal residual disease is defined as the tumor mass still  
remaining after chemotherapy or hematopoietic stem-cells

transplantation (autologous or more frequently allogeneic in ALL).

#### Minimal residual disease in breast cancer: in blood veritas

residual disease after surgery are presently not available for solid tumors such as breast or colorectal cancers. As a result, oncologists typically prescribe adjuvant therapy to the majority of patients even though the drugs will benefit relatively few.

#### REVIEW Minimal residual disease and circulating tumor ...

Minimal residual disease (MRD) after potentially curative surgery for BC is thought to contribute to disease relapse and to be the target of adjuvant treatment. MRD is defined as micrometastatic cells undetectable by conventional imaging and laboratory tests. Surrogates of MRD are tumor cells detected in the bone marrow (disseminated tumor cells (DTCs)) and peripheral blood (circulating (PDF) Detection of minimal residual disease in lung cancer

Minimal residual disease (MRD) is defined as the presence of isolated tumor cells or circulating cells in a patient after curative primary tumor removal and at the same time, no clinical signs of