

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 53398

**Manuscript Type:** ORIGINAL ARTICLE

*Observational Study*

**Real-time three-dimensional echocardiography predicts cardiotoxicity induced by postoperative chemotherapy in breast cancer patients**

Fang Zhou, Lin Niu, Min Zhao, Wei-Xing Ni, Jian Liu

**Abstract**

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## [Imaging for Cardiotoxicity in Cancer Patients](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3113123>

**Chemotherapy-induced cardiotoxicity** remains a significant and unresolved issue in treating adult and pediatric **cancer patients**. Current approaches to surveillance are often inadequate to detect myocardial disease, which can delay medical therapy and lead to symptomatic heart failure.

**Cited by:** 6 **Author:** Jose Banchs, John L. Jefferies, Juan Carl...

**Publish Year:** 2011

## [Cardiovascular toxicity induced by chemotherapy, targeted ...](#)

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**Publish Year:** 2012

## [Assessment of Echocardiography and ... - PubMed Central \(PMC\)](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3703313>

Sep 01, 2012 - Background. Because **cancer patients** survive longer, the impact of **cardiotoxicity**