

## عنوان مقاله:

Study the level and function of B and T Regulatory cells of peripheral blood in breast cancer patients

## محل انتشار:

یازدهمین کنگره بین المللی سرطان پستان (سال: 1394)

تعداد صفحات اصل مقاله: 2

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## خلاصه مقاله:

Background: Breast Cancer (BC) is one of the main causes of death among women in the world. The immune system Regulatory lymphocytes have an important role in immunopathology of different diseases including cancers. We aimed to study the percentage and function of regulatory lymphocytes of peripheral blood in BC patients. Materials and Methods: We performed a case-control, prospective study to investigate level and function of T and B regulatory cells of peripheral blood in 32 BC patients which have been diagnosed recently. Results: Percentage of B regulatory cells in BC patients was 10.718% which was significantly higher than healthy individuals ( $P < 0.001$ ). Percentage of T regulatory cells in BC patients was 7.424% which was also significantly higher than healthy individuals ( $P < 0.001$ ). Conclusion: Our study is the first to assess B regulatory cells in breast cancer patients. We saw higher percentage and function of regulatory cells in advanced clinical stages and grades of breast cancer patients.

## کلمات کلیدی:

breast cancer, B regulatory, T regulatory, TGF- $\beta$

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/726789>

