Efektivitas penggunaan electro capacitive cancer treatment (ECCT) dalam terapi kanker payudara = The effectivenes of using electro capacitive cancer treatment (ECCT) in breast cancer therapy

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Abstrak

Pengaruh medan listrik terhadap sel kanker ada dua macam yaitu menghambat pertumbuhan tumor dan menghancurkan sel kanker yang sedang mengalami pembelahan. Penelitian ini menggunakan Electro Capacitive Cancer Treatment (ECCT) vest tipe A dan tipe B dengan frekuensi 50 - 500 KHz dari sumber arus listrik bolak-balik dengan tegangan 2,4 ? 3 V. Pemberian medan listrik dilakukan secara in vivo selama 16 jam secara kumulatif terhadap pasien bersel kanker payudara stadium II dengan atau tanpa metastase ke axilla dengan posisi sel kanker di lima kuadran yang berbeda pada payudara, yaitu medial superior, medial inferior, central, lateral superior dan lateral inferior. Hasil penelitian menunjukkan bahwa alat terapi Electro Capacitive Cancer Treatment sangat efektif untuk menghambat pembelahan sel kanker dan membunuh sel kanker yang terletak pada kuadran lateral superior.

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Abstract

The influence of an electric field of cancer cell there are two kinds of which inhibits tumor growth and destroy cancer cells that are undergoing fission. This research uses Electro Capacitive Cancer Treatment (ECCT) vest type A and type B with frequency of 50 - 500 KHz of the electric current source back and forth with voltage 2,4 - 3 volt. Award of the electrical field conducted in in vivo for 16 hours cumulatively on patients with breast cancer-celled ferocity stadium level II with or without metastase to the axilla to the position of cancer cells in five different quadrants of breast medial superior, inferior, medial, central, lateral superior and inferior lateral. The results showed that Electric therapy very effective Capacitive Cancer Treatment to inhibit cell division and cancer kill cancer cells that are located on the superior lateral quadrant.