

عنوان مقاله:

Effects of Radio Waves on the Immune System of an Animal Model

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خلاصه مقاله:

Introduction: Radio waves, such as cordless phones and wireless modems, have increased significantly. This study aimed to measure the effects of the Y.F& GHz wave on a mice's immune system's blood markers. Method: Seventy-two male mice were used. Mice's were divided into one control group and two radiation-exposed groups (A and B). Then, there were two Wi-Fi modems, one plain and without an antenna, for group a mouse contact. The other was the type with two antennas; the mice in group B were brought into contact. After exposure, blood samples regarding white blood cells, monocytes, lymphocytes, and neutrophils were analyzed. Results: White blood cells, monocytes, lymphocytes, and neutrophils increased in the control group (P<...01). However, these parameters significantly declined over time in the two intervention groups (P<...01). The blood parameters of the mice in the two intervention groups exposed to various modems were similar (P>0..00). Conclusion: The results indicated the interference of waves of this spectrum, mainly radio frequency, with the immune system of exposed mice. Blood cells are more susceptible to long-term exposure to Wi-Fi waves and have a downward trend in terms of number. Also, no significant difference ...was observed between the blood parameters of the two groups with different modems

کلمات کلیدی:

Wi-Fi, immune system, electromagnetic waves

لینک ثابت مقاله در پایگاه سیویلیکا:





