



. - Immuno- effect of raw, gamma irradiated, microwave treated and fermented wheat germs in experimental rats.

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Abstract:

ABSTRACT In the present study on effect of feeding raw wheat germ, microwave treated wheat germ, gamma irradiated wheat germ and fermented wheat germ on Interferon gamma (IFN- γ) and Interleukin 10 (IL-10) in serum of rats were investigated. The data indicated that treated and untreated wheat germ had significant increase in (IFN- γ) level in the serum of rats . Fermented wheat germ recorded the highest significant increase in this concept in comparison to control group. Wheat germ supplementation indicated significant changes of (IL-10) level in serum of rats in comparison to control group. Fermented wheat germ recorded the least significant decrease in (IL-10) level in serum of rats in comparison to control group. Treated and untreated wheat germ specially fermented wheat germ raised the immune system of experimental rats .On the other hand, the present study included the vitamins content (vitamins A, E, and C) of raw ,microwave treated, gamma irradiated, and fermented wheat germ clarifying the role of each vitamin in raising the immune system.

Keywords:

Keywords: raw wheat germ, gamma irradiated wheat germ, microwave treated wheat germ, fermented wheat germ , vit. A, vit. E, vit. C. , (IFN), (IL-10).

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