

## Radiation Protection Effect of the Combination Medication Consisting of Propolis and *Agaricus blazei* Murr.

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Radiation has a clear effect in biogenics. Reproductive organs and hemopoietic tissue are especially sensitive to radiation, the effect of which is a decline in immune ability. The goal of radiation protection medicine is to counteract the effect of exposure to radiation.

The main purpose of this study was to find a means of reducing the influence of radiation. Propolis and *Agaricus blazei* Murr. are natural foods; we prepared a separate medication from each, as well as a combination medication from both of them to provide test data for basic research into radiation protection medicine.

ICR mice were used in the following four groups: (1) control, (2) on *A. blazei* medication, (3) on propolis medication, (4) on combined *A. blazei* and propolis medication. At 2 Gy radiation exposure, all groups were injected with the appropriate medication in a saline solution at a dose of 100 mg/liter mouse. Results showed that, in comparison with the control, the *A. blazei* medication and the propolis medication groups, and the combined *A. blazei* and propolis medication group differed considerably ( $p < 0.001$ ,  $p < 0.001$ ,  $p < 0.05$ , respectively).