

## ASSOCIATION OF QUERCETIN AND NARINGENIN IN THE PREVENTION OF ERLICH ASCITIC TUMOR IN MICE

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Several studies report flavonoids are powerful substances in prevention and treatment of much pathologies, as for example, cancer. The proposal of this study was to investigate the possible chemoprotector effect of flavonoids quercetin and naringenin association in mice with Erlich Ascitic Tumor (TAE). Balb/c mice received 5mg/kg of the flavonoids association by oral administration during 20 days. On 21st day, the induction of TAE was carried out through the inoculation of  $1,66 \times 10^4$  tumor cells in the peritoneo of each animal. After 18 days of induction, the animals' euthanasia was carried out. Blood and ascitic liquid were collected for analysis. ALT and AST enzymes activities, sanguineous levels of total proteins and albumin had a small increase in animals treated with flavonoids. The number of tumor cells in the ascitic liquid decreased in the group treated with flavonoids association. In this group, the animals had an increase on average survival. These results indicate that the flavonoids quercetin and naringenin association can act as chemoprotector agent against TAE.

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