



#### KEY WORDS

- ✓ Arabian horse
- ✓ Propolis
- ✓ Melanoma
- ✓ Fibroma
- ✓ Antitumor effect

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## INVESTIGATION OF ANTITUMORAL EFFECTIVENESS OF ORAL AND LOCAL CO-APPLIED PROPOLIS IN SKIN AND SUBCUTANEOUS TUMORS (MELANOMA AND FIBROMA) OF THOROUGHBRIDGED ARABIAN HORSES: CASE SERIES

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#### THESIS ABSTRACT

This study investigated the antitumoral effects of propolis on cutaneous and subcutaneous melanoma and fibroma in Purebred Arabian horses. Five tumor-bearing horses received crude propolis orally at 150 mg/kg daily for three months, together with topical application of a 70% ethanolic propolis tincture. Two healthy horses served as controls. Tumor size, hematological and biochemical parameters, and histopathology were evaluated. A slight reduction in melanoma size was observed but was not statistically significant. No adverse effects were detected. Further studies using higher doses and earlier-stage tumors are recommended.

#### APPLICATION AREAS OF THE THESIS RESULTS

Veterinary Oncology

#### ACADEMIC ACTIVITIES

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