



KEY WORDS

- ✓ Feline chronic gingivostomatitis
- ✓ Propolis
- ✓ Lauric acid
- ✓ Eugenol
- ✓ Lymphoplasmacytic infiltration
- ✓ Pathology

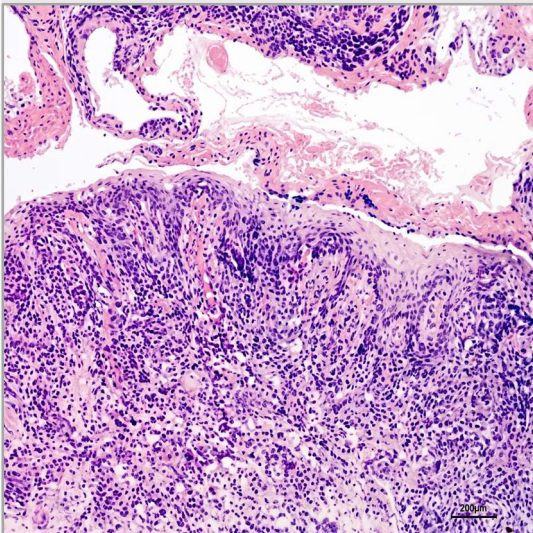
CONTACT

E-MAIL:
elifzaferler07@gmail.com

THESIS SUPERVISOR

TELEPHONE:
[+90 224 294 1303](tel:+902242941303)

E-MAIL:
gursels@uludag.edu.tr



CYTOLOGICAL AND HISTOPATHOLOGICAL INVESTIGATION OF STOMATITIS CASES IN CATS AND EVALUATION OF THE EFFECT OF A MIXTURE OF PROPOLIS, COCONUT OIL, AND CLOVE OIL ON STOMATITIS HEALING

Elif Zaferler ÇİÇEK

ORCID-NO: 0009-0003-6782-9403

BURSA ULUDAĞ UNIVERSITY

GRADUATE SCHOOL OF HEALTH SCIENCES

VETERINARY PATHOLOGY DEPARTMENT

MSc PROGRAM

GRADUATION DATE: 24.07.2026

SUPERVISOR

PROF. DR. Gürsel SÖNMEZ

ORCID-NO: 0000-0003-1840-1825

BURSA ULUDAĞ UNIVERSITY

GRADUATE SCHOOL OF HEALTH SCIENCES

VETERINARY PATHOLOGY DEPARTMENT

BURSA - TÜRKİYE



THESIS ABSTRACT

Feline Chronic Gingivostomatitis (FCGS) is an immune-mediated chronic pathology characterized by massive, progressive, and ulcerative inflammatory lesions in the oral mucosa of cats. In this study, the effects of a natural topical formulation consisting of propolis (CAPE), coconut oil (lauric acid), and clove oil (eugenol) on clinical symptoms and cellular changes were evaluated in cats diagnosed with FCGS using a self-controlled clinical trial model.

The potential of the bioactive formulation to suppress cellular inflammation via NF- κ B pathway inhibition and disrupt lipid membranes was evaluated cytologically, while its efficacy in alleviating neuropathic oral pain was assessed through clinical symptoms.

APPLICATION AREAS OF THE THESIS RESULTS

The results of this study have direct applications in small animal clinical practice and veterinary dentistry for the medical management of refractory Feline Chronic Gingivostomatitis (FCGS) cases that do not respond to surgery. Furthermore, the research establishes a foundation for the field use of non-invasive cytological monitoring protocols, enabling clinicians to track the course of intraoral mucosal lesions without inducing iatrogenic tissue trauma. It provides a scientific contribution to integrative veterinary medicine practices and the comparative pathology of similar immune-mediated mucosal disorders in humans, such as Oral Lichen Planus (OLP).

ACADEMIC ACTIVITIES

SÖNMEZ, G., & ÇİÇEK, E. Z. (2025). Sterile Nodular Panniculitis in a Pekingese Dog: A Clinical and Histopathological Case Report. *Proceedings Booklet of XII. National / III. International Veterinary Pathology Congress* (P1, pp. 57-58), October 23-26, 2025, Ayvalık / Balıkesir, Türkiye.