



KEY WORDS

- ✓ Cat
- ✓ Cardiomyopathy
- ✓ Erythrocyte Morphology
- ✓ Echocardiography
- ✓ NT-proBNP

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EVOLUTION OF THE ERYTHROCYTE MORPHOLOGIES IN CATS WITH CARDIOMYOPATHIES

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VETERİNER FAKÜLTESİ PATOLOJİANABİLİM DALI

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THESIS ABSTRACT

Feline cardiomyopathies are primary myocardial diseases that may cause severe hemodynamic disturbances and life-threatening complications. This study investigated erythrocyte morphological alterations in cats with cardiomyopathy and their association with echocardiographic parameters and NT-proBNP levels.

A total of 20 cats, including 10 healthy controls and 10 cats diagnosed with cardiomyopathy, were enrolled. All cats underwent clinical examination, thoracic radiography, electrocardiography, transthoracic echocardiography, hematological and biochemical analyses, serum NT-proBNP measurement, and peripheral blood smear evaluation. Cats with cardiomyopathy showed increased poikilocytosis, particularly schistocytes, keratocytes, and eccentrocyte-like cells, with some morphological alterations associated with echocardiographic findings and NT-proBNP levels.

ACADEMIC ACTIVITIES

1. Ankara International Congress on Scientific Research-XIII paper presentation.

