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## Urine protein/creatinine ratio in canine monocytic ehrlichiosis

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Urine protein/creatinine ratio (UPCR) has become an important biomarker in the detection of the level/severity of acute renal damage, and the prediction and detection of chronic renal insufficiency. With sequential UPCR measurement, it is possible to determine the stability and increase or decrease of proteinuria. In this study, we aimed to investigate the role of UPCR in the prediction of possible renal damage in dogs infected with *Ehrlichia canis*. UPCR was calculated in cases diagnosed with acute [antigen positive, antibody negative] or active [antigen positive,

antibody positive] *E. canis* based on the antigen/antibody relationship using a buffy coat smear and rapid test kit analyses. According to the results, UPCR ranging from 0.1 to 2 in active infected cases and 0.1 to 10 in acute infected cases indicated that acute renal damage may develop in both phases of infection. Taking this into consideration in therapeutic planning, renal replacement therapy should be undertaken, and molecular agents should be carefully chosen in terms of renal excretion.

### Biography

Adnan Ayan has completed his PhD at the age of 31 years from Adnan Menderes University Faculty of Veterinary, Department of Parasitology and Postdoctoral Studies from Faculty of Veterinary, Van Yuzuncu Yil University, Turkey. He is Assistant Professor at Van Yuzuncu Yil University, Faculty of Veterinary, Department of Genetics. He has published more than 17 articles in peer-reviewed journals.

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