

# E.R.D.-HealthScreen™ Urine Test

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## Clinical Case Reports

### CASE SUMMARY:

- ▲ Lyme nephritis in a young adult male Golden Retriever
- ▲ E.R.D.-HealthScreen Urine Test used to monitor glomerular damage associated with active Lyme disease
- ▲ Antibiotic treatment resulted in resolution of the microalbuminuria

## Lyme Disease Management

O'Malley, a 4-year-old male golden retriever, presented for acute onset of lethargy and polydipsia. On physical exam, O'Malley was depressed and had a temperature of 104.4°F. Clinical chemistry abnormalities included elevated ALT (607 U/L), BUN (51 mg/dL), and creatinine (3.5 mg/dL). Serology results were negative for *Dirofilaria immitis* antigen, negative for *Ehrlichia canis* antibody and strong positive for *Borrelia burgdorferi*-antibody. A presumptive diagnosis of Lyme nephritis was made and treatment with IV fluids and amoxicillin was initiated. Five days later, O'Malley was clinically improved and his BUN and creatinine had returned to normal (21 and 1.1 mg/dL, respectively). He was discharged with instructions to continue treatment with amoxicillin.

Although O'Malley was clinically normal on re-examination 1 week later, an E.R.D.-HealthScreen™ Urine Test was performed to assess for continuing glomerular damage. The E.R.D.-HealthScreen Urine Test result was medium positive. Therefore, amoxicillin treatment was continued. Two weeks later, the E.R.D.-HealthScreen Urine Test result was negative and remained negative upon re-checking 4 weeks later. Antibiotic treatment

of 3 additional *Borrelia burgdorferi*-antibody positive dogs that were E.R.D.-HealthScreen™ positive, resolved the microalbuminuria (E.R.D.-HealthScreen test negative post-treatment). We now test all Lyme-antibody positive dogs with the E.R.D.-HealthScreen Urine Test.

This test has proven to be a valuable addition to our canine health examinations. Our practice now has a urine test that can detect early kidney damage associated with Lyme disease as well as many other common canine diseases. It allows us to provide a higher standard of healthcare and improve owner compliance in following our treatment recommendations for their canine companions.

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Share your clinic's success by submitting a case report. Call 1-800-GO HESKA or email us at: [market@heska.com](mailto:market@heska.com). Case reports chosen for publication will receive a free box of E.R.D.-HealthScreen Canine Urine Tests and printed copies of the case report.

