Case Report

Application of Various Diagnostic Approaches for Detection of Chronic Kidney Diseases in a Local Household Cat

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Abstract | Chronic kidney disease (CKD) is one of the most common diseases in older cats. A 9-year-old male local cat was brought to the Teaching and Training Pet Hospital and Research Center with a history of off-feed, weight loss, polyuria, and skin disease. Clinical examination revealed dehydration and polydipsia and the cat was suspected of CKD. The Blood sample was collected for estimation of biochemical parameters e.g. ALP, ALT, AST, Phosphorus, Glucose, Total protein, BUN, and Serum creatinine. The Urine sample was taken also for determination of Urine PH, Specific gravity, Proteinuria, and Glucose. Ultrasonography was performed to check the condition of the kidney. Increased levels of BUN, Serum creatinine, Proteinuria, and thickened cortex of the kidney confirmed that the cat was suffering from CKD. The diagnosis and management of CKD at all stages requires the use of substantial evidence-based guidelines and principles.

Keywords | CKD, Polyuria, Ultrasonography, Biochemical Parameters, Ultrasonography.

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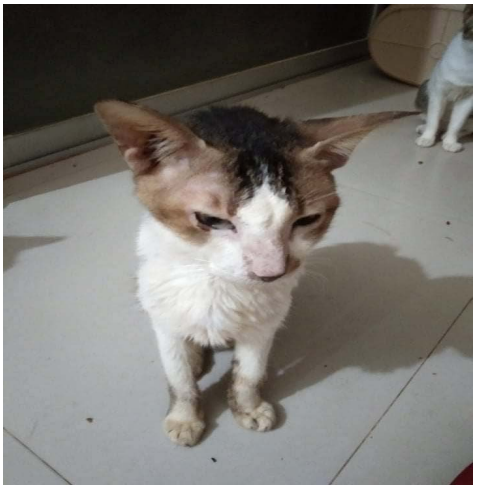

Figure 1: Physical findings in a cat with CKD include poor body condition and dehydration.

Figure 2: Collection of blood

Figure 3: Biochemical analysis of blood

Figure 4: Urine dipstick test for CKD diagnosis.

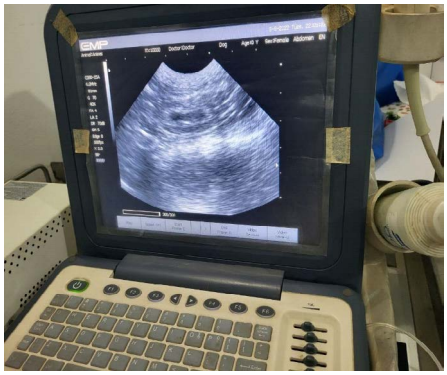

Figure 5: Hyperechoic and thickened cortex of Kidney.