

Global Summit on **NEPHROLOGY, UROLOGY AND KIDNEY TRANSPLANTATION**

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Management of envenomation induced AKI with intermittent haemodialysis in a dog**Faswal Pichan¹, Dr surroj², Dr sherin sha³**¹*Clinical dialysis specialist, Ethics Jurisprudence, Department of Veterinary Clinical Medicine, Veterinary Surgeons, Cochin Pet Hospital, Nigeria*²*director of cochin pet hospital, Nigeria*³*chief surgeon in kochi pet hospital*

A fourteen month old Labrador dog (BRUNO) was presented to pet hospital with a recent history of viper envenomation. Dog was vocalising and restless. On the day of presentation, serum creatinine and blood nitrogen (BUN) values were 3.7mg/dL and 89.1 mg/dL respectively. The serum creatinine and blood urea nitrogen values elevated within two days to 6.7mg/dL and 138.6mg/dL respectively. The dog became oliguria. The clinical signs and laboratory values were consistent with acute kidney injury. Intermittent haemodialysis (IHD) was carried out as dog was refractory to medical management. Post IHD creatinine and BUN values were 6.7 mg/dL and BUN Values 101 mg/dL, respectively. Serum creatinine and BUN value increased to 7 mg/dL and 130 mg/dL, the next day after IHD. Second session of IHD reduced serum creatinine and BUN values to 6 mg/dL and 97.8 mg/dL. Dog continued to be dull, anorexic with oliguria. Third session of IHD helped in reduction of serum creatinine and Oliguria resolved. The dog resumed his appetite and was clinically stable. Dog was observed for next 24 hours and discharged. On review after three days, dog exhibited considerable improvement; creatinine and BUN value were 3.1 mg/dL and 54.4 mg/dL, respectively. Ten days later follow up revealed that creatinine and BUN value stabilised at 1 mg/dL and 24 mg/dL. Dog showed a good and steady recovery from acute kidney injury over a period of 20 days.

Viper envenomation induces kidney injury (Hrovat et al 2013) Intermittent haemodialysis is a renal replacement therapy which is used to alleviate life threatening Azotemia electrolyte and acid-base imbalances and control intravascular volume (Cowgill) and Elliott, 2000). This article describes a case viper envenomation induced acute kidney injury in a dog, which was successfully managed with three sessions of intermittent haemodialysis.

Biography

Faswal pichan working as a dialysis technologist past 7 years he have completed diploma in dialysis technology in pims, kerala and he have bsc in renal science in singania university and msc in capital university, Jharkhand.

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