



Title: Assessment of symmetric dimethylarginine (SDMA) and creatinine concentrations in cats with post-renal obstructions before and after decompression of the obstruction.

Purpose: Cats are prone to obstructions of the urethra or ureters, which commonly results in elevation in kidney parameters on bloodwork. The most commonly used bloodwork parameters for assessing kidney function are blood urea nitrogen (BUN) and creatinine. However, there are limitations in the use of these parameters for evaluating kidney function. Another bloodwork parameter known as symmetric dimethylarginine (SDMA) has recently been introduced on many routine bloodwork panels and has been shown to be a useful (and in some cases more accurate) measure of kidney function. However, this value has not been investigated in animals with post-renal azotemia (elevations in kidney values associated with obstructions of the ureters or urethra). Therefore, our goal is to investigate the utility of this marker in cats with urethral or ureteral obstructions.

Eligibility: Any cat over the age of 1 year with a ureteral or urethral obstruction may be eligible for enrollment in this study. If your cat has a ureteral obstruction and a subcutaneous bypass (SUB) procedure has been recommended by your veterinarian, please consider enrolling your cat in this study. If enrolled, your cat will receive FREE bloodwork and urine testing during their hospital stay and at recheck visits.

For more information about this study and to inquire about eligibility and potential study benefits, please contact Dr. Kendall Wilson at 212-329-8871 or kendall.wilson@amcny.org.