

Case report : Central Diabetes Insipidus in a Cat

Panpicha Sattasathuchana¹, Parnchitt Nilkumhang¹, Khongsak Thiangtum¹,
and Naris Thengchaisri^{1*}

¹*Department of Companion Animal Clinical Sciences,
Faculty of Veterinary Medicine Kasetsart University, Bangkok 10900*

Abstract A 2.7 kilograms, 3-year-old, spayed female domestic short hair cat presented with a history of chronic weight loss, polyuria and polydipsia. Severe dehydration and hypostenuria were detected after physical examination and urinalysis. The cat condition was improved by symptomatic treatments; however, the cat remained polyuria and polydipsia. Central diabetes insipidus was confirmed by an identification of hypostenuria after a water deprivation test and a response to trial treatment with synthetic antidiuretic hormone (desmopressin). Treatment was started by the use of synthetic antidiuretic hormone topically to the conjunctiva sac. Two weeks after the initiation of treatment, symptoms of polyuria and polydipsia were resolved with an increase in urine specific gravity and urine osmolarity.

Keywords: cat, polyuria and polydipsia, osmolarity, antidiuretic hormone, diabetes insipidus
