

Acute Pancreatitis after Renal Transplantation in a Dog

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Introduction: A 3-year-old male maltese dog (weighing 2.5kg) was referred with an excessive movement of mandible and depression.

Materials and methods: Comprehensive diagnostic testings were performed. Based on laboratory tests and diagnostic imaging studies, the dog was diagnosed as an end-stage of renal disease with secondary hyperparathyroidism. The renal allograft was performed after the condition of dog was stabilized by hemodialysis and medical treatment.

Results: After transplantation, the renal function of this dog was returned to normal. However, the dog died suddenly without apparent clinical signs. The subsequent pathological studies revealed the actual etiology of death was not clearly identified but acute pancreatitis caused by abrupt introduction of food after prolonged fasting might be involved in the etiology.

Clinical relevance: This case study showed the necessity of pancreatic function test in postoperative management after renal transplantation.

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