The Neighbors Poisoned My Dog!!!

Case #: 41
Slide#: T12-31138

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Signalment and History

• 18 month-old, intact male, German Shorthair Pointer

• Presented to referring veterinarian for anorexia

• Veterinarian diagnosed acute renal failure
  BUN = 113
  Creatinine = 4.5
  Specific Gravity = 1.015

• With a tentative diagnosis of ethylene glycol intoxication, owners elected to have the dog euthanized
Gross Findings

- Kidneys grossly normal
- No oxalate crystals observed in cortical scrapings
- Both adrenal glands smaller than expected
- Marked reduction in adrenal cortical thickness
- No other gross abnormalities
Histopathology
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Morphologic diagnoses

- Adrenalitis, lymphoplasmacytic and histiocytic
- Adrenal cortical atrophy, marked
Comments

• Idiopathic adrenal cortical atrophy is the most common form of Addison’s Disease (AD) in dogs

• Results from immune-mediated destruction of all 3 layers of the adrenal cortex

• “Renal failure” is a common clinical presentation

• Azotemia is a result of decreased renal perfusion (prerenal)

• Some AD dogs have an impaired ability to concentrate urine
Questions?