

Laboratory Report
Final

*This report supersedes all
 previous reports for this case*

Case #: F1374315
Referral #: AF77932
Date Collected: 05/10/2013
Date Received: 10/15/2013
Case Coordinator: Dr. Terry Spraker
Owner: State of Alaska

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 on 1/11/2014 5:09:38PM

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Specimen Details

ID	Taxonomy	Sex	Age
2013-082	Red Fox	Female	1.0 Years

Owner: State of Alaska

Specimens Received: Tissue;

Clinical History

This is a one-year-old female red fox, #AF77932, from Red Dog Mine. It was reporting to be stalking and nipping at people. It was found dead.

Laboratory Findings/Diagnosis

GROSS NECROPSY: On gross exam, there was a mass in the stomach. The kidneys were pale with streaks. The spleen was dark. The lungs appeared to be hemorrhagic. It was positive for rabies.

DIAGNOSES:

1. Kidneys: Mild, multifocal nephritis, probably of bacterial etiology.
2. Heart: Acute focal hemorrhage with acute necrosis, papillary muscle.

COMMENTS: The cause of death in this fox was confirmed as rabies. This fox did have a mild chronic nephritis, probably of bacterial etiology, but the lesion was extremely mild. Such lesions are extremely common in carnivores. The acute hemorrhage in the papillary muscle of the heart was probably a terminal event.

HISTOPATHOLOGY:

Slide 1. Lung: Three sections of lung are examined. These sections of lung are congested and there are multifocal areas of hemorrhage throughout the pulmonary parenchyma. There is no evidence of inflammation or lungworms in these three sections of lung.

Spleen: The lymphoid tissue of the spleen is quiescent and the red pulp is of normal cellularity.

Slide 2. Liver: Two sections of liver are present; both are within normal limits.

Kidney: Two sections of kidney are present. There are several small focal areas of lymphocytes and plasma cells within the cortex, but this is relatively mild. There is one small focal area in which tubules are slightly dilated and filled with a small amount of cellular debris. This appears to be an old infarction. There is an abundance of adipose tissue filled with lipid on the surface of the kidney, suggesting this animal was in good body condition.

Owner: State of Alaska

Slide 3. Heart: Several sections of heart are examined, both atrium and ventricular wall. There are several areas of acute hemorrhage with acute myocardial necrosis in at least two sections; both appear to be within the papillary muscle.

Adrenal gland: No significant lesions.

Atrium: No significant lesions.

Tongue: No significant lesions.

Slide 4. Skin: This section of skin is normal.

Skeletal muscle: No significant lesions.

Urinary bladder: No significant lesions.

Slide 5. Stomach: No significant lesions.

Terry R. Spraker, DVM, PhD, DACVP

Prelim: 12/10/13 TRS

Full report: 12/12/13 lmj

Pathology

Histopathology

Animal/Source	Specimen	Specimen Type	Bill Date	Results
2013-082	1	Tissue	11-Jan-2014	Complete

End of Report