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VITALS Lab Director: Tanya LeRoith, DVM, PhD, Diplomate ACVP

Name (DOB): **MORGAN, DAISYS ORANGE BOY (4/7/2020)** Veterinarian: **EMILY GALLAGHER**
Patient ID: 161557 Species: Canine Patient Location: Inpatient
Received Date: 5/22/2020 2:51 PM Sex: M Sample ID: P20-0767
Approval Date: 6/2/2020 11:27 AM Age: 45d Clinic: Emergency Vet Services of Roanoke
Clinic Phone: (540) 563-8575

FINAL Necropsy Report

Clinical History

Puppy lost weight 1 wk prior to death. Puppy became dehydrated and lethargic Wed 5/20. Taken to emergency vet at 2 A.M. Thurs 5/21. Bloodwork showed poor kidney function, normal neutrophils. Kidney ultrasound normal. 5 P.M. on 5/21, bloodwork showed improved kidney function, but very low neutrophils. Puppy did not improve and was euthanized the next morning (5/22).

Date of Death: 5/22/20
Manner of Death: Euthanized
Date of Necropsy: 5/22/20

Gross Description

This is a male, neonatal labradoodle with a body condition score of 4 out of 9. The postmortem condition is good.

There are no gross abnormalities.

Organs normal on gross examination include: oral cavity, trachea, esophagus, heart, lung, kidneys, adrenal glands, liver, spleen, stomach, small intestines, large intestines, mesenteric lymph nodes, urinary bladder, femoral bone marrow (right leg), brain.

Block Summary

- 1- Liver, spleen, kidney x2
- 2- Adrenal gland, pancreas, intestine x3
- 3- Lung, liver, tongue
- 4- Heart
- 5- Cerebrum
- 6- Cerebellum

Histologic Description

Lung: Sections of lung have increased numbers of large alveolar macrophages with foamy cytoplasm. There are smaller numbers of neutrophils in alveoli. Some alveoli contain fibrin and edema residue. Several alveolar septa have ruptured forming bullae adjacent to collapsed alveoli.

Liver: Hepatocytes throughout the liver have increased numbers of small clear cytoplasmic vacuoles (lipid) as well as granular cytoplasm (glycogen).

Final Diagnosis

Interstitial pneumonia, acute, moderate, with edema and bullae

Comments

This puppy has evidence of pulmonary edema and fibrin deposition in alveoli. The bulla formation suggests some difficulty in respiration. This appears to be a relatively acute process which does not fit with the clinical course. The liver has lipid and glycogen deposition which is normal for a growing



animal, but is slightly more than would be typical in this age puppy. If you would like to discuss this case, feel free to contact me.

Electronically Signed by
Dr. Kevin Lahmers DVM, PhD, Diplomate ACVP
6/2/2020@11:08 AM