



**VETERINARY DIAGNOSTIC LABORATORY**  
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**Final Report**

SPRINGBROOK ANIMAL CARE CENTER  
 Vet: SPRINGBROOK ANIMAL CARE CENTER  
 2759 FORGUE DR  
 NAPERVILLE, IL 60564

Case#: 17-42532  
 Accessioned: 11/09/17  
 Report Generated: 11/29/17 @ 11:09 AM by MO7  
 Results Last Modified: 11/22/17 @ 3:43 PM

<b>Case ID</b> Afiac	<b>Owner</b> Wags 2 Wishes	<b>Coordinator</b> HSIAO	
<b>Breed</b> Mixed Breed Dog	<b>Species</b> Canine (dog)	<b>Sex / Fixed</b> Male /	<b>Age</b> 7 Months

**Pathology**

**Necropsy, Gross Report - Verified: 11/13/17 1:25 PM by VHO**  
 1742532 Hsiao/Kirk  
 REF VET: Dr. Laabs

**GROSS DESCRIPTION:**

A 16.3 kg, 7-month-old (per history), male, Shepherd-X dog is submitted for necropsy on 11/9/2017 with marked freeze-thaw artifacts and postmortem autolysis.

Left cranial, left middle and right middle lung lobes are atelectatic, dark reddish brown and firm. Right cranial, right caudal and left caudal lung lobes are mostly pink and pliable with multiple, ill-defined, locally extensive, red to dark red, consolidated areas.

Right testicle is retained in the abdomen, dark red to black and adhered to omentum with twisted spermatic cord. Other viscera are grossly unremarkable.

**MORPHOLOGIC DIAGNOSES:**

1. ATELECTASIS OF LEFT CRANIAL, LEFT MIDDLE & RIGHT MIDDLE LUNG LOBES WITH REGIONAL PNEUMONIA.
2. RIGHT CRYPTORCHIDISM WITH TORSION.

**COMMENT:**

Histopathology, microbiology and virology examinations are in progress. The results will follow shortly.

**Necropsy, Histopath Report - Verified: 11/16/17 3:54 PM by MO7**  
 1742532 Hsiao/Kirk  
 REF VET: Dr. Laabs

**HISTOPATHOLOGY REPORT**

**SLIDE 1-2; Lungs:** Parts of the lungs are collapsed (atelectasis). Parts are consolidated with hemorrhage. Alveoli and bronchi are filled with foamy macrophages, degenerative neutrophils, serous and fibinous material. Bronchial epithelia are sloughed. Peribronchial interstitium is infiltrated by sheets of lymphocytes and plasma cells. Alveolar septa are variably fibrotic with occasional hyperplastic pneumocytes.

Liver: Periportal hepatocytes are pale and vacuolated with ill-defined, feathery, cytoplasmic, clear spaces.  
 Spleen: No significant change (NSC)  
 SLIDE 3, Kidneys & adrenal gland: NSC  
 SLIDE 4, Trachea: Submucosa is hyperemic and infiltrated by sheets of lymphocytes and plasma cells.  
 Heart, esophagus & lymph node: NSC  
 SLIDE 5-6, Stomach, duodenum, pancreas, jejunum, ileum & colon: NSC  
 SLIDE 7, Testicles: Right testicle is necrotic, hemorrhagic and, in parts, mineralized.  
 SLIDE 8-10 Cerebrum, cerebellum & brain stem: NSC

**MICROSCOPIC DIAGNOSES**  
 1. PARTIAL PULMONARY ATELECTASIS WITH REGIONAL BRONCHOINTERSTITIAL PNEUMONIA & TRACHEITIS  
 2. PERIportal VACUOLAR HEPATOPATHY  
 3. RIGHT TESTICULAR INFARCTION

**COMMENT**  
 Mycoplasma and E coli are recovered from the pneumonic lungs. Testing for canine distemper virus, herpesvirus and parainfluenza virus are negative.

**Addendum 1 Report - Verified: 11/20/17 10:27 AM by TP2**  
 1742532 Hsiao/Kirk  
 REF VET: Dr. Laabs

**ADDENDUM:**  
 An immunohistochemical stain using an antibody against canine distemper virus is conducted on slide 2. No positive staining is noted.

**Microbiology**

**Aerobic Culture - Verified: 11/11/17 1:51 PM by CM1**

<u>Specimen</u>	<u>Specimen Id</u>	<u>Inoc</u>	<u>Isolate</u>	<u>Result</u>	<u>Level</u>
# 2 Lung	Aflac	2	Escherichia coli MLF	FINAL	moderate
# 2 Lung	Aflac	3	Escherichia coli FLF	FINAL	moderate
# 2 Lung	Aflac	4	Escherichia coli NLF	FINAL	few
# 2 Lung	Aflac	5	Rothia nasimurium	FINAL	v. few
# 2 Lung	Aflac	6	Streptococcus minor	FINAL	v. few
# 2 Lung	Aflac	1	Mycoplasma (ge)	FINAL	moderate

**Mycoplasma detection PCR - Verified: 11/10/17 3:24 PM by NJ1**

<u>Specimen</u>	<u>Specimen Id</u>	<u>Results</u>
# 2 Lung	Aflac	POSITIVE
*Result Comment		
Not M. cynos		

Virology

Canine Distemper (CDV) FA - Verified: 11/13/17 9:33 AM by DCO		
<u>Specimen</u>	<u>Specimen ID</u>	<u>Results</u>
# 2 Lung	Aflac	Negative
Canine Herpesvirus (CHV) FA - Verified: 11/13/17 9:33 AM by DCO		
<u>Specimen</u>	<u>Specimen ID</u>	<u>Results</u>
# 2 Lung	Aflac	Negative
Canine Parainfluenza Type 2 FA - Verified: 11/13/17 9:33 AM by DCO		
<u>Specimen</u>	<u>Specimen ID</u>	<u>Results</u>
# 2 Lung	Aflac	Negative
Influenza A matrix rRT-PCR (lu) - Verified: 11/22/17 3:24 PM by TEO		
<u>Specimen</u>	<u>Specimen ID</u>	<u>Results</u>
# 2 Lung	Aflac	0.00 negative

\*General Test Comment: This real-time reverse transcription polymerase chain reaction (rRT-PCR) procedure is a highly sensitive assay that detects the highly conserved matrix gene region of all known influenza A viruses. The numerical values given in the results column refer to the number of PCR cycles (Ct) required to detect the presence of the viral genome. A Ct value of 0 (negative result) indicates that the viral genome was not detected at the assay limits. A Ct value of greater than 0 (positive result) indicates that the viral genome was detected, the higher this value, the lower the amount of virus present in the sample. If a result is in the suspect range (beyond the positive cut-off value), a newly obtained sample should be submitted for testing.

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### Medical Disclosures

Animal Welfare League 10305 Southwest Highway, Chicago Ridge, IL 60415 708-636-8586 www.animalwelfareleague.com	Illinois Dept of Agriculture License # 2741
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A179334 0.00LBS DOG TAN M GERM SHEPHERD MIX 3/6/2017 10/30/17

**8/10/2017**

EXAM PARVO 0.00LBS Treated by:

PARVO  
 PARVO IV BAG 500ML 8/10/17-8/13/17  
 PEN G 1ML SID 8/10/17-8/14/17

**8/12/2017**

EXAM PARVO 0.00LBS Treated by:

PARVO  
 METRO #250ML BID 8/12/17-8/14/17

**8/25/2017**

EXAM PARVO 0.00LBS Treated by:

PARVO  
 AMIKACIN 1.2ML SID 8/25/17-8/30/17  
 B12 .75ML SID 8/25/17-8/30/17  
 LRS FLUIDS 100ML SID 8/25/17-8/30/17

**8/30/2017**

EXAM PARVO 0.00LBS Treated by:

PARVO  
 DOXY 100ML BID 8/30/17-9/12/17  
 PET TAB BID 9/14/17-9/16/17

**9/6/2017**

EXAM NORMAL 0.00LBS Treated by:

DHPP

**9/10/2017**

EXAM NORMAL 0.00LBS Treated by:

DEWORMER

**9/16/2017**

A179334 0.00LBS DOG TAN M GERM SHEPHERD MIX 3/6/2017 10/30/17

9/16/2017

EXAM-INITIAL NORMAL 0.00LBS Treated by:

DHPP

9/20/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC  
SUB Q 100 SID 9/20-9/26/17  
DEX 2CC SP SID 9/20-9/26/17  
AMINOPHYLLIE 1.5CC SID 9/20-9/26/17  
AMIKACIN 1.5CC SID 9/20-9/26/17  
PET TABS SID 9/20-9/26/17

9/27/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC  
IV FLUIDS SID 9/27-9/30/17  
DEX 2CC SP SID 9/27-9/30/17  
AMINOPHYLLINE 2CC SID 9/27-9/30/17  
AMIKACIN 1.25CC SID 9/27-9/30/17  
PET CAL SID 9/27-9/30/17

10/2/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC  
IV FLUIDS SID 10/02  
DEX 2CC SP SID 10/02-10/03/17  
AMINOPHYLLINE 2CC SID 10/02-10/03/17  
AMIKACIN 1.25CC SID 10/02-10/03/17  
PET CAL SID 10/02-10/03/17

10/4/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC  
LRS 150ML SID 10/04-10/08/17  
AMKICIN 1.5CC SID 10/04-10/08/17  
BAYTRIL 1.25CC SID 10/04-10/08/17  
AMINOPHYLLINE 2CC SID 10/04-10/08/17  
B12 1CC SID 10/04-10/08/17  
PET CAL SID 2 SID 10/04-10/08/17  
IMIPENEM 12CC SID 10/04-10/07/17  
DHPP

10/11/2017

A179334 0.00LBS DOG TAN M GERM SHEPHERD MIX 3/6/2017 10/30/17

10/11/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC
LRS 150ML SID 10/11/17, 10/14-10/15/17
AMKICIN 1.5CC SID 10/11/17, 10/14-10/15/17
BAYTRIL 1.25CC SID 10/11/17, 10/14-10/15/17
AMINOPHYLLINE 2CC SID 10/11/17, 10/14-10/15/17
B12 1CC SID 10/11/17, 10/14-10/15/17
PET CAL SID 2 SID 10/11/17, 10/14-10/15/17
SUPPLICAL IN FOOD 10/11-10/17/17

EXTRA FEEDING

10/18/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC
LRS 150ML BID 10/18-10/26/17
AMKICIN 1.5CC BID 10/18-10/26/17
BAYTRIL 1.25CC BID 10/18-10/26/17
AMINOPHYLLINE 2CC BID 10/18-10/26/17
B12 1.5 CC SID SID 10/18-10/26/17
PET CAL SID SID 10/18-10/26/17

EXTRA FEEDING

10/27/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC
LRS 150ML BID 10/18-10/26/17
AMKICIN 1.5CC BID 10/18-10/26/17
BAYTRIL 1.25CC BID 10/18-10/26/17
AMINOPHYLLINE 2CC BID 10/18-10/26/17
B12 1.5 CC SID SID 10/18-10/26/17
PET CAL SID SID 10/18-10/26/17

EXTRA FEEDING

10/30/2017

EXAM KENNEL COUGH 0.00LBS Treated by:

KC
LRS 300ML SID 10/30/17
AMINOPHYLLINE 2.5 CC SID 10/30/17
DEX SP 2.5CC SID 10/30/17

EXTRA FEEDING