

**ZOOLOGICAL PATHOLOGY PROGRAM  
STRANDED CETACEAN NECROPSY REPORT**

**Field ID:** BCF20110413LA001  
**Additional Identifier:** BP-2011-LA502  
**ZPP Accession Number:** 11-53Tt  
**Species:** *Tursiops truncatus*  
**Strand Date:** 04/13/2011  
**Strand Location:** Grand Isle, Louisiana  
**Sex:** Male  
**Age Class:** Sub-adult  
**Necropsy Date:**  
**Condition code:** 2  
**Total Length:** 221 cm  
**Weight:**  
**Blubber Depth:**  
**Body Condition:**

**Gross Necropsy:** Results available in spread sheet format. Results include: Lung, bronchi, hemorrhagic; Right distal lobe granular mass; Left congested/edematous, hemorrhagic fluid in bronchi and small airways; Right lung congested, multifocal granulomatous nodules in caudal halve (0.3-1.0 cm diameter).

**Slides/Tissues Received:** 18 regular and 1 large eye slide.

**Microscopic Findings:**

Slide 1:

Trachea: No significant findings (NSF)

Tracheobronchial lymph node: NSF

Slide 2:

Lung: Several bronchioles contain moderate sized, round to ribbon-like bright eosinophilic nematode fragments surrounded by small amounts of necrotic debris and moderate numbers of macrophages, eosinophils, and lymphocytes. Inflammation and nematode fragments are surrounded by moderate amounts of fibrous connective tissue.

Slide 3:

Heart: NSF

Spleen: NSF

Prescapular lymph node: Sinuses are moderately congested.

Slide 4:

Heart, ventricle: Occasional myocytes have rowed or large, hyperchromatic nuclei.

Slide 5:

Liver: There is a small to moderate amount of fibrous connective tissue surrounding portal triads.

Kidney: NSF

Slide 6:

Tongue: NSF

Urinary bladder: NSF

Nerve plexus: NSF

Adrenal gland: NSF

Slide 7:

Lung: Regionally alveolar spaces contain moderate amounts of pale eosinophilic fluid (edema). There are small numbers of scattered neutrophils and macrophages within alveolar spaces and septae.

Thyroid gland: NSF

Pancreas: NSF

Lymph node: NSF

Slide 8:

Testis: NSF

Inguinal lymph node: Sinuses are mildly congested.

Lymph node: NSF

Skeletal muscle: NSF

Slide 9:

Thymus: NSF

Penis: NSF

Lymph node: NSF

Adrenal gland: NSF

Slide 10:

Intestine: NSF

Slide 11:

Stomach: NSF

Skeletal muscle: NSF

Intestine: NSF

Slide 12:

Spinal cord: NSF

Slide 13:

Pons: NSF

Slide 14:

Cerebellum: NSF

Slides 15 - 17:

Cerebrum: NSF

Slide 18:

Skin/blubber: NSF

Slide 19:

Eye: NSF

**Final Diagnoses:**

1. Lung: Mild focal neutrophilic and histiocytic bronchopneumonia with intralesional necrotic nematode fragments, fibrosis, and regional edema
2. Lymph nodes: Mild congestion

**Ancillary Test Results:**

None

**Comments:**

Cause of death was not apparent in the tissues examined histologically. Inflammation noted in the lung was mild and associated with necrotic lungworm fragments. The few other changes noted were considered incidental findings. Adipose tissue appeared adequate.

Reported By:

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