

**ZOOLOGICAL PATHOLOGY PROGRAM
STRANDED CETACEAN NECROPSY REPORT**

Field ID: ECWR 020211-03
Additional Identifier:
ZPP Accession Number: 12-11Ks
Species: *Kogia sima*
Strand Date: 02/02/2011
Strand Location: Destin, Florida
Sex: Female
Age Class: Adult
Necropsy Date:
Condition code: 2
Total Length:
Weight:
Blubber Depth:
Body Condition:

Gross Necropsy: Necropsy notes on file.

Slides/Tissues Received: 9 regular slides

Microscopic Findings:

Slide 1:

Lung – No significant finding (NSF).

Liver: There is marked diffuse congestion, especially in centralobular areas. Hepatocytes contain small amounts of brown cytoplasmic pigment.

Slide 2:

Lymph node: NSF

Pancreas: There is mild multifocal fibrosis surrounding a few ducts and within interlobular spaces.

Skeletal muscle: NSF

Slide 3:

Adrenal gland: NSF

Heart, ventricle: Multifocally there are small areas where fibrous connective tissue surrounds and replaces myocytes. Myocytes in these areas are mildly decreased in size. There is mild rare anisokaryosis with karyomegaly and hyperchromatic nuclei. In other regions myocytes are mildly separated by increased amounts of clear space.

Slide 4:

Heart: NSF

Slide 5:

Heart: NSF

Uterus: Within the endometrium, glands are multifocally to regionally separated by clear space (presumed edema).

Slide 6:

Uterus: Within the endometrium, glands are multifocally to regionally separated by clear space (presumed edema) and lymphatics in the deep endometrium are widely ectatic.

Slide 7:

Ovary: There is a corpus albicans in one of two sections examined.

Slide 8:

Ovary: There is a corpus albicans in one of two sections examined and several developing follicles in the other section.

Slide 9:

Trachea: A few tracheal glands are dilated and glands are surrounded by small numbers of lymphocytes and plasma cells.

Final Diagnoses:

1. Heart, ventricle: Mild multifocal interstitial fibrosis, edema, and minimal myocyte anisokaryosis
2. Liver: Marked diffuse congestion
3. Uterus: Moderate endometrial edema

Comments:

Cause of stranding and death was not evident in the examined sections. Though mild the heart lesions may represent an early or mild manifestation of the cardiomyopathy syndrome frequently observed in *Kogia* sp. Endometrial edema may be related to recent pregnancy.

Reported By:

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