Report Date: November 03,



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# CMHD Pathology Report

ReportID:

Pathologist: H. Adissu

2011

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CMHD LabID: N11-368

### **Relevant History:**

(Modified SHIRPA; X-ray Imaging; Plasma Chemistry; Plasma Immunoglobulins; Haematology (CBC); Peripheral Blood Lymphocytes)

### AnimalID: M00256321 Sytl1 hom

# Tissue Preservation and Staining:

The thyroid gland is not prsent in section

# **Histopathology Findings:**

# thymus (MA:0000142)

#### Histopath Description:

There is a 1 mm diameter cyst that contains a proteinaceous material and sloughed cells within the lumen, and is lined segmentally by squamous epithelium

#### Morphological Diagnosis: Distribution: Focal; Severity: mild; MPATH Diagnosis: cyst MPATH:62

Definitive Diagnosis: Thymic cyst

Histopathology Comments: This is an incidental lesion

# epididymis (MA:0000397)

#### **Histopath Description:**

There are clusters of lymphocytes and plasma cells surrounding and abutting the tail of epididymis

# Morphological Diagnosis:

Distribution: Multifocal; Severity: mild; MPATH Diagnosis: inflammation MPATH:212

#### **Definitive Diagnosis:**

Periepididymitis, lymphoplasmacytic, multifocal

### brain (MA:0000168)

#### **Histopath Description:**

Blood vessels within the meninges and pila investments in different parts of the brain are surrounded by lymphocytes, macrophages, and rare neutrophils. Occasional neutrophils are embeded within the neuropil of the hippocamus. Rare cells with pyknotic neurons and eosinophilic cytoplasm are present within the parenchyma (necrosis).

# Morphological Diagnosis:

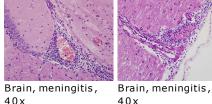
Distribution: Multifocal; Severity: moderate; MPATH Diagnosis: inflammation MPATH:212

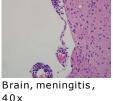
#### **Definitive Diagnosis:**

Meningitis, lymphocytic and neutrophilic

#### **Histopathology Comments:**

The lesion suggests a chronic active meningitis, the cause of whoch is not apparent.





### AnimalID: M00256322 Sytl1 hom

**Tissue Preservation and Staining:** The thyroid gland is not prsent in section

# **Histopathology Findings:**

#### liver (MA:0000358)

**Histopath Description:** There is diffuse hepatic lipidosis.

#### **Morphological Diagnosis:** Distribution: Diffuse; Severity: severe; MPATH Diagnosis: lipid deposition MPATH:42

**Definitive Diagnosis:** Hepatic lipisosis

# thymus (MA:0000142)

#### Histopath Description:

There are three 250-200 um diameter cysts within the medulla. All contain proteinaceous material and sloughed cells within their lumina and are segmentally by squamous epithelium

# **Morphological Diagnosis:**

Distribution: Focal; Severity: mild; MPATH Diagnosis: cyst MPATH:62

**Definitive Diagnosis:** Thymic cysts **Histopathology Comments:** This is an incidental lesion

### epididymis (MA:0000397)

#### **Histopath Description:**

There are clusters of lymphocytes and plasma cells surrounding and abutting the tail of epididymis

# **Morphological Diagnosis:**

Distribution: Multifocal; Severity: mild; MPATH Diagnosis: inflammation MPATH:212

#### **Definitive Diagnosis:**

Periepididymitis, lymphoplasmacytic, multifocal

#### AnimalID: M00256325 Sytl1 hom

**Tissue Preservation and Staining:** The thyroid gland is not prsent in section

### **Histopathology Findings:**

# liver (MA:0000358)

**Histopath Description:** There is diffuse hepatic lipidosis.

# **Morphological Diagnosis:**

### Distribution: Diffuse; Severity: severe; MPATH Diagnosis: lipid deposition MPATH:42

**Definitive Diagnosis:** Hepatic lipisosis

# AnimalID: M00256326 Sytl1 hom

**Tissue Preservation and Staining:** The thyroid gland is not prsent in section

Histopathology Findings:

# liver (MA:0000358)

Histopath Description: There is diffuse hepatic lipidosis.

# Morphological Diagnosis:

Distribution: Diffuse; Severity: severe; MPATH Diagnosis: lipid deposition MPATH:42

**Definitive Diagnosis:** Hepatic lipisosis

# stomach (MA:0000353)

### **Histopath Description:**

There are large numbers of neutrophils and moderate numbers of eosinophils within the lamina propria of the glandular region at the limiting ridge.

### Morphological Diagnosis:

**Duration:** Sub-acute; **Distribution:** Multifocal; **Severity:** moderate; **MPATH Diagnosis:** inflammation MPATH:212

Definitive Diagnosis:

Gastritis, suppurative

# **Histopathology Comments:**

This lesion is most commonly associated with Helicobacter infection. Further investigation is suggested using histochemistry (Silver stain) or colony fecal PCR. The presence of eosinophils suggest allergic cause.

### **Report Summary and Recommendation:**

Meningitis (1/4) and periepididymitis (2/2) may be relevant in view of the various in-life immune phenotype.

Epididymis and brain: chronic inflammation MPATH:214