



CMHD Pathology Report



CMHD Pathology Core

Toronto Centre for
Phenogenomics
25 Orde St. 3rd fl.
Toronto, Ont. M5T 3H7
Tel.(416) 586-8375
Fax (416) 586-5993

contact: Dr. Susan
Newbigging
email:
newbigging@lunenfeld.ca

ReportID: Report Date: not completed
Pathologist: Dr. H. Adissu

Mouse Genetics Project

Wellcome Trust Sanger
Institute
Wellcome Trust Genome
Campus
Hinxton, Cambridge
CB10 1SA
UK

CMHD LabID: N13-245

Relevant History:

Phenotype

Preweaning lethality

AnimalID: M00358872 (Male)

Histopathology Findings:

liver (MA:0000358)

Histopath Description:

moderate lipidosis

Morphological Diagnosis:

Distribution: multifocal to coalescing; **Severity:** moderate; **MPATH Diagnosis:** steatosis
MPATH:622

Definitive Diagnosis:

Hepatic lipidosis

pancreas (MA:0000120)

Histopath Description:

There is a focal lobular atrophy of exocrine glands with occasional apoptotic figures and low number of interstitial mononuclear inflammatory cells.

Morphological Diagnosis:

Duration: Chronic; **Distribution:** Focal; **Severity:** mild; **MPATH Diagnosis:** atrophy
MPATH:127

Definitive Diagnosis:

lobular pancreatic atrophy

AnimalID: M00358871 (Male)

Histopathology Findings:

liver (MA:0000358)

Histopath Description:

moderate lipidosis

Morphological Diagnosis:

Distribution: multifocal to coalescing; **Severity:** moderate; **MPATH Diagnosis:** steatosis
MPATH:622

Definitive Diagnosis:

Hepatic lipidosis

brain (MA:0000168)**Histopath Description:**

There is mild dilation of the lateral ventricles

Morphological Diagnosis:

Distribution: bilateral; **Severity:** mild;

Definitive Diagnosis:

Dilation of the brain ventricles

Histopathology Comments:

Mild dilation of the lateral ventricles is a background condition in mice of C57BL/6N background (Brayton et al., 2004).

retina (MA:0000276)**Histopath Description:**

Involving one eye, there are clusters of external nuclear structures within the internal plexiform layer.

Morphological Diagnosis:

Distribution: Focal; **Severity:** mild;

Definitive Diagnosis:

Retinal dysplasia

AnimalID: M00365541 (Female)**Histopathology Findings:****liver (MA:0000358)****Histopath Description:**

severe lipidosis

Morphological Diagnosis:

Distribution: diffuse; **Severity:** severe; **MPATH Diagnosis:** steatosis MPATH:622

Definitive Diagnosis:

Hepatic lipidosis

AnimalID: M00365539 (Female)**Histopathology Findings:****liver (MA:0000358)****Histopath Description:**

severe lipidosis

Morphological Diagnosis:

Distribution: diffuse; **Severity:** severe; **MPATH Diagnosis:** steatosis MPATH:622

Definitive Diagnosis:

Hepatic lipidosis

salivary gland (MA:0000346)**Histopath Description:**

There are multifocal perivascular mononuclear inflammatory cell aggregates.

Morphological Diagnosis:

Distribution: multifocal; **Severity:** mild;

Definitive Diagnosis:

Interstitial inflammatory aggregates

skin (MA:0000151)**Histopath Description:**

There is a focal aggregate of neutrophils admixed with nuclear debris within the epidermis.

Morphological Diagnosis:

Distribution: multifocal; **Severity:** mild; **MPATH Diagnosis:** inflammation MPATH:212

Definitive Diagnosis:

Epidermitis, focal

Histopathology Comments:

This is considered an incidental lesion likely caused by focal trauma

Report Summary and Recommendation:

Lesions in this line are attributable to diet or strain background.