



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: February 07,
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Pathologist: H. Adissu

Mouse Genetics Project

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

CMHD LabID: N12-1508

Relevant History:

Phenotype:

abnormal vertebrae morphology
embryonic lethality
preweaning lethality

AnimalID: M00368302 (Male)

Histopathology Findings:

liver (MA:0000358)

Histopath Description:

Minimal lipidosis affecting 5% of the hepatocytes

Morphological Diagnosis:

Distribution: multifocal; **Severity:** mild; **MPATH Diagnosis:** steatosis MPATH:622

Definitive Diagnosis:

Hepatic lipidosis

brain (MA:0000168)

Histopath Description:

mild hydrocephalus of the lateral ventricles

Morphological Diagnosis:

Distribution: bilateral; **Severity:** mild; **MPATH Diagnosis:** hydrocephalus MPATH:639

Definitive Diagnosis:

Mild hydrocephalus

muscle (MA:0000015)

Histopath Description:

Within the thigh muscle, there are rare foci there are myotubules with striated basophilic cytoplasm and central rows of nuclei (regeneration).

Morphological Diagnosis:

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

Definitive Diagnosis:

Mild multifocal regeneration

Histopathology Comments:

The changes in the muscle indicate previous muscle injury. This mouse is considered too young for age-associated degenerative muscular change which is documented in mice (Pathology of the Aging Mouse. Mohr DL et al. (eds). Vol. 1. ILSI Press. Washington, DC, 1996.)

Organ/Tissue Analyzed:

Histopathology examination included the following organs and tissues: brain, trigeminal ganglion, eyes,

salivary glands, trachea, lungs, heart, thymus, thyroid gland, parathyroid gland, exocrine and endocrine pancreas, oesophagus, stomach, small intestine, large intestine, liver, gall bladder, spleen, kidneys, adrenal gland, lymph nodes, spinal cord, bone marrow, sternum, femur and tibia with associated skeletal muscles, brown fat, pinna, skin, testis, epididymis, seminal vesicle, and prostate.

AnimalID: M00368301 (Male)**Histopathology Findings:****liver (MA:0000358)****Histopath Description:**

Minimal lipidosis affecting 5% of the hepatocytes

Morphological Diagnosis:

Distribution: multifocal; **Severity:** mild; **MPATH Diagnosis:** steatosis MPATH:622

Definitive Diagnosis:

Hepatic lipidosis

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

mild hydrocephalus of the lateral ventricles

Morphological Diagnosis:

Distribution: bilateral; **Severity:** mild; **MPATH Diagnosis:** hydrocephalus MPATH:639

Definitive Diagnosis:

Mild hydrocephalus

Organ/Tissue Analyzed:

Histopathology examination included the following organs and tissues: brain, trigeminal ganglion, eyes, salivary glands, trachea, lungs, heart, thymus, thyroid gland, parathyroid gland, exocrine and endocrine pancreas, oesophagus, stomach, small intestine, large intestine, liver, gall bladder, spleen, kidneys, adrenal gland, lymph nodes, spinal cord, bone marrow, sternum, femur and tibia with associated skeletal muscles, brown fat, pinna, skin, testis, epididymis, seminal vesicle, and prostate.

AnimalID: M00379486 (Female)**Histopathology Findings:****liver (MA:0000358)****Histopath Description:**

There is diffuse microvesicular lipidosis

Morphological Diagnosis:

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

Definitive Diagnosis:

Hepatic lipidosis

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

Focal perivascular mononuclear inflammatory infiltrate

Morphological Diagnosis:

Distribution: focal; **Severity:** mild;

Definitive Diagnosis:

Perivascular inflammatory infiltrate

Organ/Tissue Analyzed:

Histopathology examination included the following organs and tissues: brain, trigeminal ganglion, eyes, salivary glands, trachea, lungs, heart, thymus, thyroid gland, parathyroid gland, exocrine and endocrine pancreas, oesophagus, stomach, small intestine, large intestine, liver, gall bladder, spleen, kidneys, adrenal gland, lymph nodes, spinal cord, bone marrow, sternum, femur and tibia with associated skeletal muscles, brown fat, pinna, skin, uterus, oviduct, and ovary, and mammary gland.

AnimalID: M00379485 (Female)**Histopathology Findings:**

liver (MA:0000358)**Histopath Description:**

There is diffuse microvesicular lipidosis

Morphological Diagnosis:

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

Definitive Diagnosis:

Hepatic lipidosis

Organ/Tissue Analyzed:

Histopathology examination included the following organs and tissues: brain, trigeminal ganglion, eyes, salivary glands, trachea, lungs, heart, thymus, thyroid gland, parathyroid gland, exocrine and endocrine pancreas, oesophagus, stomach, small intestine, large intestine, liver, gall bladder, spleen, kidneys, adrenal gland, lymph nodes, spinal cord, bone marrow, sternum, femur and tibia with associated skeletal muscles, brown fat, pinna, skin, uterus, oviduct, and ovary, and mammary gland.

Report Summary and Recommendation:

Lesions in this line are considered incidental.