



Mr J M Watkin-Jones
VI Centre
Winchester

Your reference C1-9

Our reference VLO 12467/85/1509

Date 19 September 1985

VLO 12467 A

Cow 8yr

Stifle abscess

PATHOLOGY REPORT

Gross observations: Received in formalin a well preserved bovine brain, 2 pieces of spinal cord and pieces of kidney all grossly normal, (area not identified) ? Thymic

Microscopic observations:

Cerebrum - mild multifocal (4 foci) non-suppurative perivascular infiltration and (focal gliosis) ? multifocal vacuolation neuropil.

Thalamus - NVL

Cerebellum - NVL

Corpora quadrigemina - *mod. neuropil vacuolation - periaqueductal*

Medulla - moderate neuronal and neuropil vacuolation (of the reticular formation) *chromatolysis - small neurons*

Spinal cord - mild neuropil vacuolation of the lumbar dorsal horns.

Kidney - chronic mild/moderate non-suppurative interstitial reaction with tubular regeneration and fibrosis. *|| ???*

Also a mild peracute multifocal tubular necrosis with focal hyaline droplet change. *- karyomegaly - inclusion - ? distal tubule -*
see focus chronic nephrosis - tubule atrophy - interstitial fibrosis

DIAGNOSIS: 1. Moderate spongiform encephalopathy - acute.

2. Mild renal nephrosis - peracute

REMARKS: These acute changes suggest a toxicity of some description. The non-suppurative reactions are far more chronic, mild and non-specific.

*Sp. cord TS - Mod. multifocal vacuolation of lat/ventral neuropil
+ vacuolation of grey matter at junctional zone
grey/wh matter dorsal horns.
Neuronal vacuolation - multifocal sparse. (multifocal)
LS. Segmental nuclei ovoid/digitiform clumps.*

P.hc

Pathologist: Carol Richardson

*lesion probable sequel to chronic bacteraemia or endotoxaemia. S.A.W. 85/9.19/2.1
YB 85/9.19/1*