

Supplemental Table 1. MRI findings (T2- and T1-weighted, FLAIR, and post-contrast T1) in MUO cases that underwent SEA (cases 1-32) and DCE (cases 33-40) analysis

Case no.	T2	T1	Post-contrast T1	FLAIR	General remarks	NBBB/BBBD
1*	Hyperintensity multiple sites thalamus	None	Negative	Hyperintensity multiple sites thalamus	None	NBBB
2	Hyperintensity ependymal hyperintensity		Ependymal / periventricular enhancement+ single focus of parenchymal enhancement	Hyperintensity periventricular & white matter	Ventricle enlargement ++	BBBD
3	None	None	None	None	Ventricular enlargement ++	NBBB
4*	Hyperintensity white matter and gray/white matter zone	None	Mild periventricular enhancement Mild enhanced area one side gray/white matter zone	Hyperintensity white matter & gray/white matter zone	None	NBBB
5*	Hyperintense C1& medulla	None	None	Hyperintense C1 & medulla	Ventricular asymmetry (L>R)	NBBB

6	None	None	None	None	Ventricular enlargement +	NBBB
7	Hyperintensity multiple small foci in both hemispheres	None	None	Hyperintensity multiple small foci in both hemispheres	Ventricular enlargement +++	BBBD
8	None	None	None	None	None	BBBD
9	None	None	None	None	Non	NBBB
10	None	None	None	None	Ventricular asymmetry	NBBB
11*	Symmetrical white matter hyperintensity & one focus of hyperintensity in gray/white zone R hemisphere	None	One small focus of enhancement in the right prefrontal area	Symmetrical white matter hyperintensity & one focus of hyperintensity in gray/white zone R hemisphere	None	NBBB
12	None	None	None	None	Ventricular asymmetry	NBBB
13	Hyperintensity thalamus & white matter both sides	None	None	Hyperintensity thalamus & white matter, both sides	Slight ventricular asymmetry	BBBD
14	None	None	None	None	None	NBBB
15	None	None	None	None	None	NBBB

16	Hyperintensity white matter & thalamus, both sides	None	Foci of thalamus and white matter enhancement	Hyperintensity white matter & thalamus, both sides	Ventricular asymmetry	BBBD
17	None	None	None	None	None	NBBB
18	Hyperintensity white matter & hippocampus	None	None	Hyperintensity white matter & hippocampus	Minimal ventricular asymmetry	BBBD
19	Hyperintensity white matter, thalamus, midbrain & pons	None	Enhancement in thalamus midbrain	Hyperintensity white matter, thalamus, midbrain & pons	Ventricular enlargement +++	BBBD
20	None	None	None	None	None	BBBD
21	None	None	None	None	None	BBBD
22	Hyperintensity hippocampus & piriform lobe	None	Enhancement of one piriform	Hyperintensity hippocampus & piriform lobe	Ventricular asymmetry	BBBD
23*	Cortical hyperintensity one side	None		Cortical hyperintensity one side	None	NBBB
24	None	None	None	None	Ventricular enlargement ++	BBBD
25	None	None	None	None	None	NBBB
26	None	None	None	None	Ventricular enlargement ++	BBBD

27	None	None	None	None	Ventricular enlargement +++ and asymmetry	BBBD
28	Hyperintensity in the thalamus	Hypointensity in the thalamus	Enhancement in the thalamus	Hyperintensity in the thalamus	Ventricular enlargement +	BBBD
29	Patches of cortical hyperintensity	None	Small patches of cortical enhancement	Patches of cortical hyperintensity	None	BBBD
30	Diffused hyperintensity in white matter & round mass in one left hemisphere	Diffused hypointensity in white matter of left hemisphere & round mass	Patchy enhancement of the mass in left hemisphere	One hemisphere 11 hyperintensity in white matter + round mass	None	BBBD
31	One region of hyperintensity in right occipital lobe	None	One region of enhancement in right occipital lobe	One region of hyperintensity in the right occipital lobe	Ventricular enlargement ++++	BBBD
32	None	None	None	None	Ventricular asymmetry	NBBB
33	None	None	None	None	Ventricular enlargement ++	NBBB
34	None	None	None	None	None	NBBB
35	Cortical hyperintensity	None	None	Cortical hyperintensity	Ventricular asymmetry	BBBD
36	None	None	None	None	None	NBBB

37	None	None	None	None	Ventricular enlargement +++	NBBB
38	Hyperintensity in the midbrain	None	None	Hyperintensity in the midbrain	None	BBBD
39	Hyperintensity of white matter in the right prefrontal area	None	None	Hyperintensity of white matter in the right prefrontal area	Ventricular enlargement +++ and asymmetry	BBBD
40	None	None	None	None	Ventricular enlargement +++	NBBB

* Dog classified with NBBB had qualitative abnormalities detected by radiologists, NBBB – Normal blood brain barrier, BBBD – Blood brain barrier disruption.