

Histopathology

Table S2. Summary list of histopathological changes and immunohistochemistry results

			No.															
Organ	Microscopic finding	Annotations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
District			LOS	LOS	LOS	LOS	LOS	LOS	LOS	MOL	MOL	MOL	MOL	MOL	SN	SN	SN	SN
Virus variant			II	II	II	II	II	II	II	III	III	III	III	III	IV	IV	IV	IV
Lymph node (popliteal)	Lymphoid depletion																	
	Congestion/hemorrhage																	
	Necrosis	Paracortex																
		Medullary chords																
	Vascular thrombosis																	
	Viral antigen		3	3	2	3	2	3	3	2	3	3	3	3	3	2	1	2
Spleen	Lymphoid depletion																	
	Necrosis red pulp			A	A	A	A	A	A	A	A	A		A	A	A		
	Congestion/hemorrhage										A			A		A		
	Viral antigen		3	2	1	2	0	3	2	1	3	2	2	2	2	3	1	2
Lung (cranial lobe)	Alveolar edema				A													
	Hemorrhage				A													A
	Bronchopneumonia	Fibrino-suppurative, necrotizing			A													A
	(broncho)-interstitial pneumonia	fibrino-necrotizing			A													A
	Viral antigen		3	2	2	2	1	3	2	2	3	3	2	3	3	1	1	3
Kidney	Nephritis	Tubulointerstitial, mononuclear cells			N/A								A	A		A		A
	Hemorrhage	Cortical			N/A								A	A		A		A

		Medullary			N/A									A	A		A		A
		Pelvic			N/A									A	A		A		A
	Vascular thrombosis				N/A									A	A		A		A
	Viral antigen		2	2	N/A	3	0	3	2	1	2	3	1	1	2	2	1	2	
Liver	Kupffer cell apoptosis/necrosis			A	A	A		A	A	A	A	A	A	N/A		A			
	Hepatocyte apoptosis/necrosis			A	A	A		A	A	A	A	A	A	N/A		A			
	Sinusoidal infiltrates	Neutrophils		A	A	A		A	A	A	A	A	A	N/A		A			
		Mononuclear cells		A	A	A		A	A	A	A	A	A	N/A					
	Periportal infiltrates	Mononuclear cells		A	A	A		A	A	A	A	A	A	N/A		A			
		Eosinophils		A	A	A		A	A	A	A	A	A	N/A		A			
	Viral antigen		2	2	2	2	1	3	2	1	2	3	2	N/A	1	1	1	2	
Heart	Hemorrhages	Endocardial		N/A		N/A		N/A			N/A		A	N/A	N/A	N/A	N/A		
		Myocardial											A	N/A					
		Epicardial		N/A	N/A		N/A					N/A	A	N/A					
	Endocardial infiltration	Mononuclear cells		N/A	N/A			N/A			N/A		A	N/A	N/A	N/A	N/A		
	Viral antigen		2	0	2	2	0	1	1	0	2	1	1	N/A	2	1	1	2	
Cerebellum	Meningitis																		
	Encephalitis																		
	Hemorrhage																		
	Viral antigen		1	3	1	2	0	1	1	0	3	3	1	1	0	0	0	1	
Cerebrum	Meningitis	Mononuclear cells																	
	Encephalitis	Mononuclear cells																	
	Choroiditis	Mononuclear cells																	
	Hemorrhage																		
	Viral antigen		1	3	1	2	0	3	2	1	2	3	3	1	1	1	1	1	

Adrenal gland	Hemorrhage	Cortical		A	N/A			A	A	A		A	A	A		A		A
		Medullary		A	N/A			A	A	A		A	A	A		A		A
	Sinusoidal thrombosis			A	N/A			A	A	A		A	A	A		A		A
	Necrosis	Cortical		A	N/A			A	A	A		A	A	A		A		A
		Medullary		A	N/A			A	A	A		A	A	A		A		A
	Adrenalitis	Mononuclear cells mixed with neutrophils		A	N/A			A	A	A		A	A	A		A		A
	Viral antigen		2	2	N/A	2	1	3	2	2	3	2	2	2	2	2	2	2

Histopathological changes are indicated as **present** or **not present**, A = autolysis, evaluation not possible or N/A = not available. The viral antigen amount was determined on a semiquantitative scale: (+) = ≤ 3 positive cells; (++) = 4-15 positive cells; (+++) = ≥ 16 positive cells.