

Table S3: summary of histological findings.

		SARS CoV-2 RNA SNC	Brain features					Leptomeningeal features		
			<i>Global hypoxic-ischemic injury and microglial activation</i>	<i>Small vessels ectasia, variable perivascular edema, microhaemorrhages</i>	<i>Microthrombi</i>	<i>Recent microinfarcts</i>	<i>Ancient infarct</i>	<i>Chronic lymphocitic inflammation</i>	<i>Blood extravasation</i>	<i>Purulent exudate</i>
First pandemic wave (02/2020- 04/2020)	<i>Case 1</i>	X olfactory tract, medulla oblongata)	X	X	X	Cortical	Frontal lobe			
	<i>Case 2</i>		X	X	X	Cortical	Parietal lobe			
	<i>Case 3</i>		X	X	X	Cortical and basal ganglia	Frontal lobe			
	<i>Case 4</i>		X	X	X	Cortical		X		
	<i>Case 5</i>		X	X	X	Basal ganglia, brain stem				
	<i>Case 6</i>		X	X	X	Cortical				
	<i>Case 7</i>		X	X	X	Cortical				
	<i>Case 8</i>		X	X	X	Cortical, brain stem				X
	<i>Case 9</i>		X	X	X				X	X
	<i>Case 10</i>		X	X	X	Para-hippocampus				
	<i>Case 11</i>		X	X	X					X
Second pandemic	<i>Case 12</i>		X	X	X Rare			X		
	<i>Case 13</i>		X	X						
	<i>Case 14</i>		X	X						

wave (11/2020-12/2020)	Case 15	X	X			Skull and dural plasmocytoma
	Case 16	X	X	X Rare		
	Case 17	X	X	X Rare		X
	Case 18	X	X	X	Parietal, brain stem, pituitary gland	X
	Case 19	X	X	X Rare	Rolandic	X
	Case 20 X (olfactory tract)	X	X	X Rare		X
Third pandemic waves (01/2021-04/2021)	Case 21	X	X	X	Frontal, rolandic	X
	Case 22	X	X			
	Case 23	X	X acute small and large haemorrhages	X	Frontal	X X (infratentorial)
	Case 24	X	X			X
	Case 25	X	X			X
	Case 26	X	X			X
	Case 27	X	X			X
	Case 28	X	X	X		X
	Case 29	X	X			X
	Case 30	X	X			X
	Case 31	X	X			
	Case 32	X	X			
	Case 33	X	X			