

Research Article

Prevalence and distribution of Lewy pathology in a homeless population

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Supplementary Table 1. Demographic information of the cohort.

Nr	Sex	Age	PMD (days)	COD	WWS	Brain weight (g)	Neurologic disease	Autopsy findings						
								Heart	Pulmonary	Vascular	GI	Liver	Kidneys	
1	M	59	3	hypothermia	Yes	1280							fibrosis steatosis	
2	M	35	4	drugs overdose	No	1394			Pulmonary oedema					
3	M	41	5	hypothermia	Yes	1410							steatosis	
4	M	67	2	COPD	No	1410		moderate CAD	emphysema	severe generalized atherosclerosis			steatosis	nephrosclerosis pyelonephritis
5	M	60	4	duodenal ulcers with perforation, peritonitis	No	1356		moderate CAD		severe generalized atherosclerosis			steatosis	
6	M	64	4	hypothermia	No	1370		dilatation	emphysema	moderate generalized atherosclerosis				nephrosclerosis pyelonephritis
7	M	34	4	bronchopneumonia	No	1305						pancreatitis	steatosis	
9	F	60	2	hypothermia	Yes	1400		moderate CAD	emphysema	severe generalized atherosclerosis			steatosis	
10*	M	60	4	hypothermia		1425		severe CAD	emphysema	severe generalized atherosclerosis			steatosis	
11*	M	56	2	hypothermia	Yes	1285		moderate CAD	emphysema	severe generalized atherosclerosis			steatosis	
12	M	56	4	hypothermia	Yes	1208		severe CAD ischemic cardiomyopathy	adenocarcinoma emphysema	severe generalized atherosclerosis				
13	M	49	8	ischemic cardiomyopathy		1428		severe CAD ischemic cardiomyopathy	emphysema					
14	F	55	4	hypothermia	Yes	1368			emphysema	moderate generalized atherosclerosis			steatosis	
15*	M	59	3	hypothermia	Yes	1290	alcohol dependence		emphysema	moderate generalized atherosclerosis			steatosis	pyelonephritis
16	M	59	2	duodenal ulcers with perforation, peritonitis		1470			emphysema	moderate generalized atherosclerosis			fibrosis steatosis	
17	M	51	7	hypothermia		1370	alcohol dependence		emphysema	moderate generalized atherosclerosis		Duodenal ulcers	steatosis	
18	M	56	3	COPD		1282				moderate generalized atherosclerosis			steatosis	
19	M	60	12	multiorgan disease		1490				severe generalized atherosclerosis				
20	F	62	2	COPD		1285			emphysema				steatosis	
21	M	55	0	hypothermia	Yes	1420	alcohol dependence		emphysema	moderate generalized atherosclerosis			steatosis	pyelonephritis
22	M	60	3	bronchopneumonia with abscess		1238		dilatation	emphysema				steatosis	pyelonephritis
23	M	58	9	hypothermia		1302			bronchopneumonia with abscess				steatosis	
24	F	52	3	pulmonary embolism		1238		severe CAD	Pulmonary embolism	thrombosis moderate generalized atherosclerosis			steatosis	
25	M	50	1	COPD		1165		moderate CAD	emphysema	severe generalized atherosclerosis			steatosis	pyelonephritis
26	M	51	2	hypothermia	Yes	1186								
27	M	49	2	COPD		1214								
28	M	50	1	bronchopneumonia with abscess		1034		dilatation	bronchopneumonia with abscess emphysema	moderate generalized atherosclerosis		pancreatitis		nephrosclerosis pyelonephritis
29	M	65	9	hypothermia		1226		moderate CAD		moderate generalized atherosclerosis			cirrhosis	
30	M	44	1	pulmonary embolism		1112			Pulmonary embolism emphysema	ulcus cruris leg ulcers				
31	M	51	7	hypothermia		1144	epilepsy alcohol dependence	severe CAD	emphysema	severe generalized atherosclerosis			fibrosis steatosis	nephrosclerosis
32	M	52	5	hypothermia		1288			emphysema	leg amputation				
33	M	66	1	ulcus cruris, leg ulcers, sepsis		1234			emphysema	moderate generalized atherosclerosis ulcus cruris-leg ulcers			steatosis	

34	M	6 2	9	hypothermia	Yes	1332		moderate CAD	emphysema larynx cancer	moderate generalized atherosclerosis			
35	F	6 7	2	ischemic cardiomyopathy		1046		severe CAD ischaemic cardiomyop athy	emphysema	severe generalized atherosclerosis			nephrosclerosis
36	M	6 4	1	hypothermia	Yes	1434			emphysema				
37	M	3 2	11	ethylene glycol poisoning		1482							
38	F	.	14	liver failure		1346		moderate CAD	emphysema	moderate generalized atherosclerosis		cirrhosis liver failure	
39	M	6 2	4	hypothermia	Yes	1346			adenocarcino ma	severe generalized atherosclerosis		metastasis	
40	M	5 1	4	Lobar pneumonia		1446			emphysema			steatosis	
41	M	6 5	1	pulmonary embolism		1350		moderate CAD	emphysema	moderate generalized atherosclerosis			nephrosclerosis pyelonephritis
42	M	5 9	5	hypothermia	Yes	1386		moderate CAD	adenocarcino ma emphysema	severe generalized atherosclerosis			nephrosclerosis pyelonephritis
43	M	5 8	2	Lobar pneumonia		1384			emphysema			fibrosis steatosis	
44	M	.	14	hypothermia		1306	cerebral contusion		emphysema bronchopneu monia	moderate generalized atherosclerosis			
45	M	6 1	9	ischemic cardiomyopathy		1518		moderate CAD	emphysema	moderate generalized atherosclerosis		fibrosis	nephrosclerosis

Abbreviations: Postmortem delay (PMD), Cause of death (COD), Wischnewski spots (WS), Gastrointestinal (GI), Chronic obstructive pulmonary disease (COPD), coronary artery disease (CAD).

Supplementary Table 2. Regions examined in this study.

1	Frontal lobe: middle frontal gyrus
2	Anterior cingulate gyrus
3	Parietal lobe: inferior parietal gyrus
4	Temporal lobe: middle and superior temporal gyrus
5	Hippocampus – right: level of lateral geniculate body
6	Hippocampus – left: level of lateral geniculate body
7	Occipital lobe: area striata and peristriata
8	Basal ganglia: anterior level with caudate, accumbens nuclei and putamen
9	Basal ganglia: posterior level with putamen and globus pallidus
10	Thalamus: at the level of the dorsomedial nucleus
11	Amygdala
12	Midbrain at the level of substantia nigra
13	Pons at the level of locus coeruleus
14	Medulla oblongata at the level of inferior olives
15	Anterior vermis of the cerebellum
16	Cerebellum with dentate nucleus
17	Motor cortex
18	Olfactory bulb- right
19	Olfactory bulb - left
20	Oesophagus
21	Stomach
22	Parotid gland
23	Submandibular gland
24	Spinal cord
25	Cauda equina
26	Medullary vagus nerve
27	Tonsils
28	Sublingual gland
29	Heart
30	Liver
31	Pancreas
32	Spleen
33	Kidney
34	Suprarenal gland
35	Bladder
36	Skin thigh
37	Testicle
38	Skin neck
39	Skin upper arm
40	Duodenum
41	Jejunum
42	Ileum
43	Coecum
44	Appendix
45	Colon ascending
46	Colon transverse
47	Colon descending
48	Sigma
49	Rectum

Supplemental Figure 1.

Immunostaining for phospho-Synuclein (pS129) confirm Lewy-related pathology as shown in the Locus coeruleus here.

