HSB	Age	Sex	Structure	Neuropathology	Neuropathology	Sections	Clinical diagnosis	Clinical
Sample				Macroscopic description	Microscopic description			cause of
no								death
2946	59	М	Occipital	Well developed central grey nuclei, ventricles are of appropriate size and	Parietal lobe demyelination, axonal loss in	Peri-ventricular	PPMS, Dementia	Pneumonia
			Plaque	lined by smooth thin ependyma. Meninges, vascular structures, ependyma	periventricular white matter and sparse, focal	white matter,		due to MS
				and cranial nerves show no abnormalities. Substantia nigra and locus	chronic perivascular inflammation	Parietal lobe		
				ceruleus are well pigmented, cerebellar sections have anatomically				
				arranged grey and white matter with a dark tan. 0.5x0.3 cm discoloration of				
				cerebellar white matter.				
3185	50	М	Occipital	Bilateral, very irregular periventricular plaques. Similar areas of plaques in	Demyelinating plaque, extensive decrease in	Peri-ventricular	PPMS,	Respiratory
			Plaque	corpus callosum, left internal capsule, temporal lobe white matter, pons,	intra-plaque oligodendrocyte cellularity,	white matter	Hypothoroidism	failure due to
				and cerebellar white matter. No apparent softening, discoloration,	nearly complete demyelination, no associated	and adjacent		aspiration
				hemorrhage, mass or other lesion. Junction between cortex and white	perivascular cuffing and the adjacent cortex	cortex		pneumonia,
				matter is well demarcated. Lateral cerebral ventricles are normal in size and	and white matter is unremarkable. Chronic MS			advanced MS
				shape. Normal striatum, lentiform nucleus, hippocampus and thalamus. No	plaque formation			
		_		atrophy of the cerebellar folia. No atherosclerosis.				a
3509	74	F	Frontal	No softening, discoloration, hemorrhage, mass or other lesion. No cortical	Small focus of complete demyelination. Mild	Ventral pontine	PPMS,	Cardiac
			plaque	atrophy. Atrophic hippocampus, normal white matter. Well demarcated	oligodendrocyte and relatively little axonal	tegmentum/	Hypertension	arrest
				junction between cortex and white matter. Normal striatum, lentiform	loss. Aignificant gliosis, macrophage activity or	dorsal basilar		
				nucleus, amygdala and thalamus. No atrophy of cerebellar folla. A	lymphocyte activity is not present.	pons		
				norizontal plaque in the right interior pontine tegmentum in the brain stem.				
2010	47	-	Qaainital	Basilar cerebral vasculature snows mild atheroscierosis.	Diama formation with extension event lass	Danisaran dan	DDMC Deers busin	Deserington
3810	47	F	Disque	Extensive irregular demyelinating periventricular plaque formation	Plaque formation with extensive axonal loss	Perivascular	stimulator	failure
			Plaque	with satellite extension into the respective corona radiate and the left hacal	docrosse in eligodendrocyte density within	white matter	Stimulator,	without
				ganglia. Similar changes in brainstern tegmentum. No apparent softening	plaque and light increase in density along the		haldder tremor in	active
				discoloration bemarrhage mass or other lesion. No atrophy of cerebellar	periphery mild to moderate gliosic po		balduel, trentor in	infection
				folia or significant atherosclerosis	prominent macrophage activity and		Head and Heck	and stage MS
					prominent macrophage activity and			enu stage wis
3840	61	F	Frontal	Small natchy areas of demyelination in the middle cerebellar neduncle and	Early plaque formation with mild axonal loss	Left middle	PPMS Ontic	Respiratory
5010	01	•	plaque	in midbrain peri aqueductal area. No apparent softening discoloration	and minimally decreased oligodendrocyte	cerebellar	neuritis. Chronic	failure due to
			plaque	hemorrhage, mass or other lesion. Normal striatum, lentiform nucleus, and	density, moderate demyelination, no	peduncle	urinary tract	advanced MS
				thalamus. No atrophy of the cerebellar folia. No significant atherosclerosis	significant gliosis, increased macrophage	[infection,	
					activity and perivascular lymphocyte cuffing		Depression, deep	
					, , , , , , , , , , , , , , , , , , , ,		vein thrombosis,	
							decubitus ulcer,	
							GERD, Pneumonia.	
572	65	F	Occipital		Numerous foci of demyelination in the optic		RR MS	-
			Plaque		nerves, cerebral white matter and spinal cord.			

2931	73	М	Parietal plaque	Subcortical and deep white matter is remarkable for grey periventricular discolorations in the frontal and parietal lobes. Well developed central grey nuclei. Ventricles are of appropriate size and lined by a smooth thin ependyma. Meninges, vascular structures, ependyma and cranial nerves are not well represented but show no abnormalities. Substantia nigra and locus ceruleus are well pigmented. The cerebellar section has anatomically arranged grey and white matter structures and shows no additional abnormalities.	Demyelination and axonal loss with mild chronic perivascular inflammation	Frontal and periventricular white matter	RRMS	-
3289	54	F	Occipital Plaque	Extensive irregular bilateral periventricular plaques involving both lateral ventricles with the most intense involvement in the parietal and occipital lobes with decreasing involvement anteriorly. There is also an isolated left subcortical plaque. The cortical mantel is normal and good demarcation between the gray and white matter. The remaining areas are remarkable. No atherosclerosis.	Demyelinating plaque formation with demyelination and axonal loss, near complete loss of oligodendrocytes, presence of scattered astrocytes in the plaque with very reactive gliosis at the plaque margin, presence of numerous perivascular hemosiderin laden macrophages, adjacent white matter shows a slight increase in cellularity with mild perivascular inflammation.	Periventricular plaque	RRMS	Acute cardiac arrest
3413	38	F	Occipital Plaque	No apparent softening, discoloration, hemmorrage, mass or other lesion. Junction between the cortex and white matter is well demarcated. Large irregular periventricular plaques bilaterally extending from the frontal to the occipital poles. Some areas extend into the subcortical white matter. Irregular plaque formation in the caudal midbrain tegmentum. Normal straitum, lentiform nucleus, hippocampus, and thalamus normal. No atrophy of the cerebellar folia. The basilar vasculature shows minimal atherosclerosis.	Perivascular demyelination characterized by decreased axonal density and complete demyelination, mild to severe gliosis and oligodendrocyte loss, no associated macrophage activity or perivascular lymphocytic cuffing, adjacent white matter and cortex are unremarkable.	Perivascular white matter	RRMS	unexpected death by suffocation
3422	62	Μ	Cerebellar plaque	No apparent softening, discoloration, hemorrahage, mass or other lesion. Junction between the cortex and white matter is well demarcated. Patchy periventricular demyelination bilaterally extending from the caudal frontal lobe to the rostral occipital lobe. Demyelinating plaque in the right proximal middle cerebellar peduncle. Normal straitum, lentiform nucleus, hippocampus and thalamus. No atrophy of the cerebellar folia. The basilar vasculature shows severe atherosclerosis.	Perivascular demyelination characterized by a variably decreased axonal loss and complete demyelination, severe gliosis and oligodendrocyte loss, no associated macrophage activity or perivascular lymphocytic cuffing, adjacent white matter and cortex are unremarkable.	Perivascular white matter	RRMS	Respiratory failure
3805	70	М	Frontal normal appearing white matter	No apparent softening, discoloration, hemorrahage, mass or other lesion. Mild atrophy of the frontal and temporal lobes. Junction between the cortex and white matter is well demarcated. Lateral cerebral ventricles are normal in shape and size. Normal striatum, lentiform nucleus, and thalamus. No atrophy of the cerebellar folia. No significant atherosclerosis.	Neocortex shows normal neuronal cellularity, no extracellular spongiosis, no evidence of neuritic or neurofibrillary pathology, hippocampus shows a very rare neurofibrillary tangle but is otherwise normal, no evidence of degeneration, hypoxic injury hemorrhage or inflammation	Hippocampus and temporal cortex	Acute renal failure, Type1 diabetes, Brain normal	Acute renal failure

3861	81	F	Frontal normal appearing white matter	No apparent, softening, discoloration, hemorrhage, mass or other lesion. No atrophy of the frontal and temporal lobes. Junction between the cortex and white matter is well demarcated. Lateral cerebral ventricles are normal in shape and size. Normal striatum, lentiform nucleus, and thalamus. No atrophy of the cerebellar folia. The basilar cerebral vasculature shows mild atherosclerosis.	Neocortex and hippocampus show normal neuronal cellularity, no extracellular spongiosis, no evidence of neurodegenerative disease, substantia nigra is unremarkable	Hippocampus, temporal cortex and substantia nigra	Chronic obstructive pulmonary disease, pneumonia, osteoporosis, tuberculosis, Brain normal	Chronic obstructive pulmonary disease, progressive weakness, pneumonia
3912	80	Μ	Frontal normal appearing white matter	No apparent, softening, discoloration, hemorrhage, mass or other lesion. No cerebral atrophy. Junction between the cortex and white matter is well demarcated. Lateral cerebral ventricles are normal in shape and size. Normal striatum, lentiform nucleus, and thalamus. No atrophy of the cerebellar folia. No significant atherosclerosis.	Hippocampus show few rare neurofibrillary tangles, no evidence of neuronal loss or neuritic plaque formation, temporal cortex is unremarkable, no evidence of metastatic carcinoma	Hippocampus and temporal cortex	Lung cancer, hypertension Brain normal.	Lung cancer, progressive respiratory insufficiency, respiratory failure
4064	75	F	Frontal normal appearing white matter	No evidence of metastatic cancer or any other softening, discoloration, hemorrhage, mass or other lesion. No cerebral atrophy. Junction between the cortex and white matter is well demarcated. Lateral cerebral ventricles are normal in shape and size. Normal striatum, lentiform nucleus, and thalamus. No atrophy of the cerebellar folia. No signs of atherosclerosis in the basilar cerebral vasculature.	Neocortex shows normal neuronal cellularity, no evidence of neurodegeneration, infarction, hypoxia or metastatic carcinoma, hippocampus is normal with no changes or inclusion in CA1 region	Hippocampus and temporal cortex	Cirrhosis, nonalcoholic steatohepatitis, hypothyroidism, depression, hypertension, renal failure acute anemia, Brain normal.	Laennec's cirrhosis, liver failure, progressive weakness
4135	57	Μ	Frontal normal appearing white matter	No apparent softening, discoloration, hemorrhage, mass or other lesion. No evidence of metastatic carcinoma and no grossly identifiable evidence of stroke. Mild atrophy of the frontal lobes. Junction between the cortex and white matter is well demarcated. Lateral cerebral ventricles are normal in shape and size. Normal striatum, lentiform nucleus, and thalamus. No atrophy of the cerebellar folia. No signs of atherosclerosis in the basilar cerebral vasculature.	Neocortex shows normal neuronal cellularity and normal subcortical white matter. Neocortex and hippocampus shows no evidence of neurodegeneration or hypoxia, no evidence of stroke or metastatic disease.	Hippocampus and temporal cortex	Hypertension, seizure disorder, acute hypoxia, chronic obstructive pulmonary disease, history of recent stroke (verbal only) Brain normal	-