

**Table S1. The clinical information of patients with VaD and healthy controls**

	ID	gender	age	Primary diagnosis	Secondary diagnosis	Evidence for vascular insults	Tangles	Plaques
<b>Control</b>	Control-1	Male	74	No-brain disease	-	No	No	No
	Control-2	Male	78	No-brain disease	-	No	No	No
	Control-3	Female	61	No-brain disease	-	No	No	No
	Control-4	Male	84	No-brain disease	-	No	No	No
	Control-5	Male	79	No-brain disease	-	No	No	No
	Control-6	Male	86	No-brain disease	-	No	No	No
	Control-7	Female	88	No-brain disease	-	No	No	No
	Control-8	Male	96	No-brain disease	-	No	No	No
<b>Vascular Dementia</b>	VaD-1	Female	77	(Braak 0)	-	Lacunary and collumary infarctions; Moderate atherosclerosis of the large cerebral arteries.	No	No
	VaD-2	Female	71	(Braak 1)	-	Severe atherosclerosis of the large basal cerebral vessels; Hyalino-fibrotic necrotising vasculopathy with perivascular infiltrates	No	Slight
	VaD-3	Male	65	(Braak 0)	-	Moderate subcortical infarction	No	No
	VaD-4	Female	61	(Braak 1)	-	Severe atherosclerosis of the cerebral arteries; Vascular encephalopathy, diffuse.	No	No
	VaD-5	Male	64	(Braak 0)	-	Severe atherosclerosis of the large cerebral arteries; severe agonal ischemic changes.	Few	No
	VaD-6	Male	50	(Braak 0)	-	Many vessels with perivascular lymphatic infiltrate; Several vessels are densely fibrotic	No	No
	VaD-7	Male	60	(Braak 2)	-	The ventricular system shows severe dilation; Vessels with perivascular lymphocytic infiltrate	No	Slight
	VaD-8	Male	57	(Braak 0)	-	Large cerebral arteries with bilateral infarctions; Focally small ischemic defects.	No	No
	VaD-9	Female	65	(Braak 1)	-	Lacunar infarction; some vascular deviances	No	No