

Supplementary Table 1. Characteristics of patients with and without polycystic kidney disease

Characteristic	With PKD (n=55)	Without PKD (n=45)	P
Age (yr)	51.3±10.9	53.7±12.7	0.324
Male sex	21 (38.2)	15 (33.0)	0.678
eGFR (mL/min/1.73 m ²)	58.2±38.0	100.4±27.7	<0.001
Dialysis	12 (21.8)	0 (0)	<0.001
Hypertension	43 (78.2)	19 (42.2)	<0.001
Diabetes	3 (5.5)	1 (2.2)	0.625
Dyslipidemia	9 (16.4)	6 (13.0)	0.781
Smoking	4 (7.3)	3 (6.7)	1.000
Anti-platelet agent	4 (7.3)	0 (0)	0.125
Cerebral microbleeds	15 (27.3)	3 (6.7)	0.009
Intracranial aneurysm	6 (10.9)	0 (0)	0.031
Cavernous angioma	5 (9.1)	1 (2.2)	0.219
Intraventricular cyst	2 (3.6)	0 (0)	0.500
Moderate to severe white matter intensity*	10 (18.2)	3 (6.7)	0.135
Presence of lacune	6 (10.9)	3 (6.7)	0.508
High degree of EPVS at CSO [†]	12 (21.8)	8 (17.8)	0.802
High degree of EPVS at BG [†]	7 (12.7)	3 (6.7)	0.505

Values are presented as mean±standard deviation or number (%).

PKD, polycystic kidney disease; eGFR, estimated glomerular filtration rate; EPVS, enlarged perivascular space; CSO, centrum semiovale; BG, basal ganglion.

*Moderate to severe white matter intensity is defined as Fazekas scale ≥2; [†]High degree of EPVS is defined as score >20.

Supplementary Table 2. Characteristics of patients having polycystic kidney disease with and without cerebral microbleeds

Characteristic	With CMBs (n=15)	Without CMBs (n=40)	P
Age (yr)	58.4±10.8	48.7±9.8	0.002
Male sex	6 (40)	15 (37.5)	1.000
eGFR (mL/min/1.73 m ²)	45.1±39.9	63.1±36.5	0.120
Dialysis	6 (40.0)	6 (15.0)	0.068
Hypertension	14 (93.3)	29 (72.5)	0.147
Diabetes	0 (0)	3 (7.5)	0.554
Dyslipidemia	4 (26.7)	5 (12.5)	0.236
Smoking	2 (13.3)	2 (5.0)	0.298
Alcohol consumption	2 (13.3)	2 (5.0)	0.298
Anti-platelet agent	1 (6.7)	3 (7.5)	1.000
Family history of ICH	0 (0)	3 (7.5)	0.554
Alanine Aminotransferase (U/L)	15.1±5.8	14.8±7.9	0.906
Platelet count (k/μL)	178±63	207±72	0.200
Intracranial aneurysm	2 (13.3)	4 (10)	0.660
Moderate to severe white matter intensity*	4 (26.7)	6 (15.0)	0.434
Presence of lacune	1 (6.7)	5 (12.5)	1.000
High degree of EPVS at CSO [†]	5 (33.3)	7 (17.5)	0.274
High degree of EPVS at BG [†]	2 (13.3)	5 (12.5)	1.000

Values are presented as mean±standard deviation or number (%).

CMB, cerebral microbleed; CSO, centrum semiovale; eGFR, estimated glomerular filtration rate; ICH, intracranial hemorrhage; EPVS, enlarged perivascular space; CSO, centrum semiovale; BG, basal ganglion.

*Moderate to severe white matter intensity is defined as Fazekas scale ≥2; [†]High degree of EPVS is defined as score >20.