

Table S4. Between-group differences of DC-CBF maps in ESI

Brain Region	Left or right hemispheres	Label ID
A. ESRD > HCs		
No between-group differences		
B. ESRD < HCs		
Inferior Frontal Gyrus(IFG)	IFG_R_6_6	40
Fusiform Gyrus(FuG)	FuG_R_3_2	106
MedioVentral Occipital Cortex(MVOcC)	MVOcC_R_5_5	198
Lateral Occipital Cortex(LOcC)	LOcC_L_4_4	205
Amygdala	Amyg_R_2_2	214

DC-CBF= degree centrality-cerebral blood flow correlation coefficients; ESRD= institute; FDR= false discovery rate.

RD patients and HCs at brain region level ($p < 0.01$, FDR corrected).

Modified cyto-architectonic	MNI			t -value	p -value
	X	Y	Z		
A44v, ventral area 44	54	14	11	2.959	0.005
A37mv, medioventral area 37	31	-62	-14	3.113	0.003
vmPOS, ventromedial parietooccipital sulcus	15	-63	12	2.741	0.009
iOccG, inferior occipital gyrus	-30	-88	-12	2.749	0.009
lAmyg, lateral amygdala	28	-3	-20	3.108	0.003

end-stage renal disease; HCs= healthy control subjects; MNI= montreal neurological