

Table S1: Vessel diameter, length and tortuosity measured for each region of the CoW. Twins within a pair were matched together. COW dimension data are in millimeters (mm). Refer to Figure 2 for locations of each region.

Case	CoW configuration	LA1			RA1			LPComA			RPComA		
		Diameter	Length	Tortuosity	Diameter	Length	Tortuosity	Diameter	Length	Tortuosity	Diameter	Length	Tortuosity
1	Complete	2.8	11.5	0.11	3.4	9.2	0.07	1.8	9.1	0.08	1.6	8.1	0.15
2	Complete	3.5	9.4	0.08	2.3	10.4	0.06	2.1	7.0	0.13	1.9	8.8	0.24
3	Complete	2.8	9.2	0.12	3.2	7.4	0.07	1.7	13.5	0.04	1.6	12.1	0.02
4	Complete	3.8	8.1	0.07	3.4	6.6	0.03	1.6	12.5	0.11	1.6	12.8	0.14
5	Complete	2.5	9.7	0.04	2.6	11.1	0.09	1.4	13.0	0.16	1.3	13.2	0.17
6	Complete	3.0	10.3	0.05	3.0	11.2	0.06	1.4	11.0	0.28	1.5	11.4	0.22
7	Complete	3.5	10.2	0.10	3.4	10.0	0.08	1.6	13.2	0.05	2.3	7.9	0.05
8	Complete	3.7	12.2	0.07	3.2	12.0	0.12	1.3	12.9	0.05	1.4	13.0	0.01
9	Incomplete	2.3	14.8	0.09	2.9	15.6	0.20	1.5	12.5	0.20	*	*	*
10	Incomplete	3.3	15.4	0.10	2.5	9.7	0.10	1.3	10.5	0.13	*	*	*
11	Complete	2.7	12.4	0.09	2.3	6.1	0.03	2.0	9.5	0.11	2.7	14.9	0.11
12	Incomplete	2.9	13.5	0.10	2.6	8.5	0.03	*	*	*	2.7	13.0	0.06
Mean	-	3.1	11.4	0.09	2.9	9.8	0.08	1.6	11.3	0.12	1.9	11.5	0.12
SD	-	0.5	2.3	0.02	0.4	2.6	0.05	0.3	2.1	0.07	0.5	2.4	0.08

LA1=left anterior cerebral artery segment 1, RA1= right anterior cerebral artery segment 1, LPComA=left posterior communicating artery, RPComA=right posterior communicating artery.

* Measurements were not possible in these regions