### Supplementary Table 1. Baseline TCD values

| Duplex parameter (in cm/s) (median (interquartile range)) | Symptomatic unilateral ICA occlusion cohort |
|---------------------------------------------------------|---------------------------------------------|
| PSV OA ipsilateral                                      | 32 (19)                                    |
| EDV OA ipsilateral                                      | 10 (13)                                    |
| PSV OA contralateral                                    | 33 (17)                                    |
| EDV OA contralateral                                    | 7 (4)                                      |
| PSV ACA ipsilateral                                     | 66 (52)                                    |
| EDV ACA ipsilateral                                     | 27 (22)                                    |
| PSV ACA contralateral                                   | 101 (65)                                   |
| EDV ACA contralateral                                   | 45 (30)                                    |
| PSV M1 ipsilateral                                      | 76 (45)                                    |
| EDV M1 ipsilateral                                      | 34 (20)                                    |
| PSV M1 contralateral                                    | 114 (43)                                   |
| EDV M1 contralateral                                    | 44 (20)                                    |
| PSV P1 ipsilateral                                      | 84 (46)                                    |
| EDV P1 ipsilateral                                      | 33 (22)                                    |
| PSV P1 contralateral                                    | 70 (29)                                    |
| EDV P1 contralateral                                    | 26 (13)                                    |
| PSV P2 ipsilateral                                      | 67 (43)                                    |
| EDV P2 ipsilateral                                      | 27 (16)                                    |
| PSV P2 contralateral                                    | 55 (31)                                    |
| EDV P2 contralateral                                    | 23 (12)                                    |

ACA=anterior cerebral artery, EDV=end diastolic velocity, ICA=internal carotid artery, M1=first segment of middle cerebral artery, OA=ophthalmic artery, PSV=peak systolic velocity, P1=first segment of posterior cerebral artery, P2=second segment of posterior cerebral artery

*ipsilateral = on the side of occluded ICA, **contralateral = opposite side of occluded ICA