

**Table S2:** Cerebral autoregulation and baroreceptor sensitivity parameters

Parameters:	AIS n = 68	ICH n = 12	P- value
CBv (AH), cm/s	39.74 ± 15.46	49.54 ± 19.28	<b>0.05</b>
CBv (UH), cm/s	43.91 ± 13.67	46.49 ± 13.22	0.54
SYSTOLIC VEL, (UH), cm/s	69.64 ± 18.84	77.38 ± 16.77	0.18
DIASTOLIC VEL, (UH), cm/s	27.32 ± 9.97	30.42 ± 7.68	0.31
Mean coherence (AH)	0.59 ± 0.25	0.47 ± 0.20	0.12
ARI (AH)	5.11 ± 1.87	5.77 ± 2.08	0.28
NMSE, (AH)	0.18 ± 0.14	0.20 ± 0.11	0.64
Step response recovery (%) at 4 s, (AH)	64.44 ± 31.13	82.57 ± 35.55	0.07
Mean LOWER conf. limit coherence, (AH)	0.47 ± 0.30	0.31 ± 0.21	0.10
Mean UPPER conf. limit coherence, (AH)	0.70 ± 0.21	0.63 ± 0.21	0.30
LF gain (AH), % / mmHg	0.33 ± 0.18	0.37 ± 0.18	0.52
MF gain (AH), % / mmHg	0.54 ± 0.35	0.53 ± 0.24	0.93
HF gain (AH), % / mmHg	0.65 ± 0.33	0.78 ± 0.45	0.22
LF phase (AH), radians	0.59 ± 0.64	0.86 ± 0.83	0.20

MF phase (AH), radians	$0.57 \pm 0.40$	$0.46 \pm 0.41$	0.38
HF phase (AH), radians	$0.06 \pm 0.27$	$0.16 \pm 0.34$	0.26
Mean coherence (UH)	$0.57 \pm 0.27$	$0.41 \pm 0.28$	0.07
NMSE (UH)	$0.17 \pm 0.12$	$0.28 \pm 0.16$	0.24
Mean Coherence (VLF), (UH)	$0.43 \pm 0.21$	$0.32 \pm 0.20$	0.10
Mean Coherence (LF), (UH)	$0.50 \pm 0.23$	$0.28 \pm 0.18$	0.002
Mean Coherence (HF), (UH)	$0.55 \pm 0.25$	$0.37 \pm 0.23$	0.02
Step response recovery (%) at 4 s, (UH)	$68.16 \pm 24.34$	$79.09 \pm 22.45$	0.15
Mean LOWER conf. limit coherence, (UH)	$0.45 \pm 0.31$	$0.29 \pm 0.28$	0.08
Mean UPPER conf. limit coherence, (UH)	$0.69 \pm 0.23$	$0.55 \pm 0.28$	0.06
LF gain (UH), % / mmHg	$0.51 \pm 0.44$	$0.36 \pm 0.28$	0.25
MF gain (UH), % / mmHg	$0.64 \pm 0.47$	$0.43 \pm 0.26$	0.14
HF gain (UH), % / mmHg	$0.75 \pm 0.43$	$0.71 \pm 0.44$	0.73
LF phase (UH), radians	$0.62 \pm 0.52$	$1.12 \pm 0.60$	<b>0.004</b>
MF phase (UH), radians	$0.60 \pm 0.34$	$0.54 \pm 0.27$	0.53
HF phase (UH), radians	$0.05 \pm 0.26$	$0.20 \pm 0.32$	0.09

Mean gain HF range (BRS)	9.04 ± 9.37	5.94 ± 7.75	0.28
total power (PI), ms <sup>2</sup>	2011.7 ± 3918.01	1201.8 ± 2462.1	0.44
total power (SBP), mmHg <sup>2</sup>	33.08 ± 27.43	32.04 ± 26.93	0.77
VLF power (PI), ms <sup>2</sup>	313.58 ± 406.4	138.71 ± 115.2	0.13
VLF power (SBP), mmHg <sup>2</sup>	15.65 ± 15.29	14.18 ± 14.01	0.75
BRS for VLF band	4.56 ± 2.77	2.98 ± 2.22	0.06
LF power (PI), ms <sup>2</sup>	523.68 ± 1155.43	283.67 ± 546.03	0.44
LF power (SBP), mmHg <sup>2</sup>	7.67 ± 6.84	5.31 ± 3.36	0.18
HF power (PI), ms <sup>2</sup>	1475.91 ± 3216.4	1539.5 ± 3751.1	0.52
HF power (SBP), mmHg <sup>2</sup>	4.96 ± 10.79	7.9 ± 12.6	0.30
BRS for HF band	10.61 ± 7.56	9.06 ± 10.03	0.53
alpha index	8.82 ± 5.72	6.58 ± 5.95	0.22

AH, affected hemispheres; UH, unaffected hemispheres; VLF, very low frequency LF, low frequency; MF, medium frequency; HF, High frequency; CBv, Cerebral Blood Velocity; VEL, Velocity; ARI, Autoregulation index; NMSE, normalized mean-square error; BRS, baroreceptor sensitivity; PI, Pulse Interval; SBP; systolic blood pressure, alpha index (Average BRS LF + BRS HF).

P-values for difference between ischemic and haemorrhagic stroke.