**Table S-2.** Linear and non-linear indices of variability for the pulsatility index calculated from the cerebral blood flow velocity waveforms in the aneurysmal Subarachnoid hemorrhage (SAH) group and the 2 healthy control groups. Data represent combined values from the right and left middle cerebral arteries for each patient. Values are reported as means and their (95% confidence intervals).

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Aneurysmal SAH group** | **Age-matched healthy controls** | **Young healthy controls** |
| **Linear Measures** |  |  |  |
| Pulsatility index | 0.987  (0.827; 1.148) | 0.802  (0.721; 0.885) | 0.758  (0.720; 0.797) |
| Standard deviation | 0.1423  (0.089; 0.196) | 0.083  (0.075; 0.092) | 0.086  (0.075; 0.097) |
| Coefficient of variation | 14.82  (8.8; 20.8) | 10.55  (9.4; 11.7) | 11.50  (10.0; 12.7) |
| Very low frequency spectral power \*\* | 0.0913  (0.064; 0.119) | 0.1068  (0.075; 0.138) | 0.1405  (0.109; 0.172) |
| Low frequency spectral power \*\*\* | 0.1092  (0.080; 0.138) | 0.127  (0.100; 0.153) | 0.1092  (0.092; 0.127) |
| frequency spectral power \*\*\*\* | 0.1960  (0.174; 0.219) | 0.1812  (0.154; 0.208) | 0.1508  (0.115; 0.186) |
| **Non-linear measures** |  |  |  |
| Hurst exponent | 0.6510  (0.563; 0.739) | 0.6492  (0.542; 0.757) | 0.6327  (0.482; 0.783) |
| Fractal dimension | 1.3490  (1.260; 1.437) | 1.351  (1.243; 1.458) | 1.3672  (1.217; 1.517) |
| Higuchi exponent | 2.007  (1.996; 2.018) | 2.011  (1.993; 2.029) | 2.005  (1.998; 2.011) |
| Correlation Dimension (D2) | 10.833  (10.41; 11.25) | 10.925  (10.55; 11.29) | 10.526  (10.035; 11.02) |
| Largest Lyapunov exponent (ʎ) | 0.0499  (0.036; 0.064) | 0.0460  (0.035; 0.057) | 0.0479  (0.039; 0.056) |

\*\*Very low frequency band: 0.003 Hz to 0.040 Hz; \*\*\*Low frequency band: 0.040 Hz to 0.15 Hz; \*\*\*\* High frequency band: 0.15 Hz to 0.40 Hz