**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