

| Dunn's multiple comparisons test | Mean rank diff, | Summary |
|----------------------------------|-----------------|---------|
| SCC vs. GCC | 390,9 | **** |
| SCC vs. CR r | 164,6 | *** |
| SCC vs. CR l | 168,3 | **** |
| SCC vs. CT r | 117,7 | * |
| SCC vs. CT l | 123,9 | * |
| SCC vs. FL r | 412,7 | **** |
| SCC vs. FL l | 419,7 | **** |
| SCC vs. TL r | 295,1 | **** |
| SCC vs. TL l | 303,4 | **** |
| SCC vs. PL r | 226,5 | **** |
| SCC vs. PL l | 233,0 | **** |
| SCC vs. OL r | 112,4 | ns |
| SCC vs. OL l | 115,5 | ns |
| GCC vs. CR r | -226,3 | **** |
| GCC vs. CR l | -222,6 | **** |
| GCC vs. CT r | -273,2 | **** |
| GCC vs. CT l | -267,1 | **** |
| GCC vs. FL r | 21,77 | ns |
| GCC vs. FL l | 28,76 | ns |
| GCC vs. TL r | -95,87 | ns |
| GCC vs. TL l | -87,50 | ns |
| GCC vs. PL r | -164,4 | *** |
| GCC vs. PL l | -158,0 | *** |
| GCC vs. OL r | -278,6 | **** |
| GCC vs. OL l | -275,4 | **** |
| CR r vs. CR l | 3,700 | ns |
| CR r vs. CT r | -46,93 | ns |
| CR r vs. CT l | -40,74 | ns |
| CR r vs. FL r | 248,1 | **** |
| CR r vs. FL l | 255,1 | **** |
| CR r vs. TL r | 130,4 | * |
| CR r vs. TL l | 138,8 | ** |
| CR r vs. PL r | 61,90 | ns |
| CR r vs. PL l | 68,33 | ns |
| CR r vs. OL r | -52,27 | ns |
| CR r vs. OL l | -49,09 | ns |
| CR l vs. CT r | -50,63 | ns |
| CR l vs. CT l | -44,44 | ns |
| CR l vs. FL r | 244,4 | **** |
| CR l vs. FL l | 251,4 | **** |
| CR l vs. TL r | 126,7 | * |
| CR l vs. TL l | 135,1 | ** |
| CR l vs. PL r | 58,20 | ns |
| CR l vs. PL l | 64,63 | ns |
| CR l vs. OL r | -55,97 | ns |

| | | |
|---------------|--------|------|
| CR l vs. OL l | -52,79 | ns |
| CT r vs. CT l | 6,186 | ns |
| CT r vs. FL r | 295,0 | **** |
| CT r vs. FL l | 302,0 | **** |
| CT r vs. TL r | 177,4 | **** |
| CT r vs. TL l | 185,7 | **** |
| CT r vs. PL r | 108,8 | ns |
| CT r vs. PL l | 115,3 | ns |
| CT r vs. OL r | -5,343 | ns |
| CT r vs. OL l | -2,157 | ns |
| CT l vs. FL r | 288,8 | **** |
| CT l vs. FL l | 295,8 | **** |
| CT l vs. TL r | 171,2 | **** |
| CT l vs. TL l | 179,6 | **** |
| CT l vs. PL r | 102,6 | ns |
| CT l vs. PL l | 109,1 | ns |
| CT l vs. OL r | -11,53 | ns |
| CT l vs. OL l | -8,343 | ns |
| FL r vs. FL l | 6,986 | ns |
| FL r vs. TL r | -117,6 | * |
| FL r vs. TL l | -109,3 | ns |
| FL r vs. PL r | -186,2 | **** |
| FL r vs. PL l | -179,8 | **** |
| FL r vs. OL r | -300,4 | **** |
| FL r vs. OL l | -297,2 | **** |
| FL l vs. TL r | -124,6 | * |
| FL l vs. TL l | -116,3 | ns |
| FL l vs. PL r | -193,2 | **** |
| FL l vs. PL l | -186,7 | **** |
| FL l vs. OL r | -307,3 | **** |
| FL l vs. OL l | -304,2 | **** |
| TL r vs. TL l | 8,371 | ns |
| TL r vs. PL r | -68,54 | ns |
| TL r vs. PL l | -62,11 | ns |
| TL r vs. OL r | -182,7 | **** |
| TL r vs. OL l | -179,5 | **** |
| TL l vs. PL r | -76,91 | ns |
| TL l vs. PL l | -70,49 | ns |
| TL l vs. OL r | -191,1 | **** |
| TL l vs. OL l | -187,9 | **** |
| PL r vs. PL l | 6,429 | ns |
| PL r vs. OL r | -114,2 | ns |
| PL r vs. OL l | -111,0 | ns |
| PL l vs. OL r | -120,6 | * |
| PL l vs. OL l | -117,4 | * |
| OL r vs. OL l | 3,186 | ns |

Supplementary Table S1. Results of post hoc Dunn's Multiple Comparison Test for the entire sample of scuba divers. Abbreviations: CR, corona radiata; CT, corticospinal tract; FL, frontal lobe; GCC, genu of corpus callosum; l, left; ns, not significant; OL, occipital lobe; PL, parietal lobe; r, right; SCC, splenium of corpus callosum; TL, temporal lobe. ****, $p < 0.0001$; ***, $p < 0.001$; **, $p < 0.01$; *, $p < 0.05$.