**Supplemental Digital Content Table 4.** *Scheffe's pairwise comparisons of injury severity group differences in fractional anisotropy*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Contrasts | *M*D | *SE*D | *t* | *p* | 95% CI | |
| *LL* | *UL* |
| Genu of CC |  |  |  |  |  |  |
| cmTBI < OI | -.015 | .019 | -0.75 | .754 | -.063 | .034 |
| **msTBI < OI** | **-.056** | **.016** | **-3.46** | **.005** | **-.097** | **-.015** |
| **msTBI < cmTBI** | **-.041** | **.018** | **-2.37** | **.070** | **-.086** | **.003** |
| Right SS |  |  |  |  |  |  |
| cmTBI < OI | -.006 | .015 | -0.43 | .910 | -.043 | .030 |
| **msTBI < OI** | **-.037** | **.012** | **-3.02** | **.015** | **-.068** | **-.006** |
| msTBI < cmTBI | -.031 | .013 | -2.31 | .078 | -.064 | .003 |
| Left SS |  |  |  |  |  |  |
| cmTBI > OI | .004 | .012 | 0.37 | .932 | -.026 | .035 |
| **msTBI < OI** | **-.037** | **.010** | **-3.74** | **.002** | **-.063** | **-.012** |
| **msTBI < cmTBI** | **-.042** | **.011** | **-3.87** | **.001** | **-.069** | **-.015** |
| Right ACR |  |  |  |  |  |  |
| cmTBI < OI | -.024 | .013 | -1.88 | .182 | -.056 | .008 |
| **msTBI < OI** | **-.040** | **.011** | **-3.73** | **.002** | **-.067** | **-.013** |
| msTBI < cmTBI | -.016 | .012 | -1.38 | .393 | -.045 | .013 |
| Left ACR |  |  |  |  |  |  |
| cmTBI < OI | -.026 | .012 | -2.13 | .114 | -.058 | .005 |
| **msTBI** **<** **OI** | **-.043** | **.010** | **-4.17** | **.001** | **-.070** | **-.017** |
| msTBI < cmTBI | -.017 | .011 | -1.51 | .328 | -.045 | .011 |

Note. OI = orthopedic injury. cmTBI = complicated mild traumatic brain injury. msTBI = moderate-to-severe traumatic brain injury. CC = corpus callosum. UF = uncinate fasciculus. SS = sagittal striatum. ACR = anterior corona radiata. ALIC = anterior limb of the internal capsule. Bold text indicates a significant pairwise comparison. Contrasts for pathways where the overall model was not significant (see Table S2) are not included in the table.