S1 Table. Right side gait parameters recorded by BioStampRC as a function of group and speed

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| --- | --- | --- | --- | --- | --- |
| **Test** | **Gait parameter** | **Control** | **Mild MS** | **Moderate MS** | **Severe MS** |
| Overground comfortable walking | Stride time (ms) | 1084±111 | 1042±69 | 1238±101\*† | 1585±394\*†δ |
| Swing time (ms) | 448±41 | 444±38 | 492±56\*† | 547±89\*†δ |
| T25W | Stride time (ms) | 881±114 | 923±55 | 1078±126\*† | 1371±369\*†δ |
| Swing time (ms) | 387±43 | 400±31 | 454±55\*† | 510±75\*† |
| TUG | Stride time (ms) | 860±122 | 939±87 | 1090±177\*† | 1477±422\*†δ |
| Swing time (ms) | 402±50 | 427±40 | 469±71\* | 530±83\*†δ |
| 6MW\_Comfortable | Stride time (ms) | 1076±92 | 1046±95 | 1385±193\*† | 1855±403\*†δ |
| Swing time (ms) | 441±34 | 445±30 | 514±61\*† | 544±99\*† |
| 6MW\_Slow | Stride time (ms) | 1214±128 | 1184±141 | 1587±283\*† | 2246±621\*†δ |
| Swing time (ms) | 485±41 | 471±72 | 562±74\*† | 572±113\*† |
| 6MW\_Fast | Stride time (ms) | 1009±109 | 987±103 | 1344±268\*† | 1786±392\*†δ |
| Swing time (ms) | 435±30 | 431±32 | 517±68\*† | 545±98\*† |