|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Mean torque (% MVC) | Mean MG EMG(% MVC) | Mean LG EMG(% MVC) | Mean SO EMG(% MVC) | Mean TA EMG(% MVC) |
| Ramp-and-hold trials – Low image quality |
| Slow | 21.1 ± 1.2 | 13.3 ± 4.8 | 8.1 ± 3.3 | 11.2 ± 3.0 | 2.2 ± 1.4 |
| Medium | 15.1 ± 0.7 | 9.2 ± 2.8 | 6.0 ± 2.8 | 8.9 ± 2.8 | 1.8 ± 1.0 |
| Fast | 9.3 ± 0.6 | 6.8 ± 2.8 | 4.4 ± 2.1 | 6.0 ± 1.3 | 1.5 ± 0.9 |
| Asymmetric | 14.4 ± 0.8 | 9.4 ± 3.3 | 6.3 ± 2.9 | 8.0 ± 2.4 | 1.8 ± 1.1 |
|  |  |  |  |  |  |
| Ramp-and-hold trials – High image quality |
| Slow | 20.9 ± 1.1 | 13.1 ± 4.4 | 8.1 ± 3.8 | 11.0 ± 2.7 | 2.1 ± 1.3 |
| Medium | 15.1 ± 0.8 | 9.6 ± 3.2 | 5.8 ± 2.8 | 8.3 ± 2.2 | 1.7 ± 1.0 |
| Fast | 9.1 ± 0.6 | 6.8 ± 2.9 | 4.4 ± 2.0 | 6.1 ± 1.7 | 1.4 ± 0.8 |
| Asymmetric | 14.5 ± 1.0 | 9.8 ± 3.5 | 6.5 ± 3.0 | 8.1 ± 2.4 | 1.9 ± 1.0 |
|  |  |  |  |  |  |
| Passive trials |
| Slow | NA | 0.7 ± 0.6 | 0.8 ± 0.9 | 1.0 ± 0.4 | 0.7 ± 0.5 |
| Medium | NA | 0.9 ± 0.9 | 0.8 ± 0.8 | 1.0 ± 0.4 | 0.7 ± 0.5 |
| Fast | NA | 1.2 ± 0.8 | 1.2 ± 0.9 | 1.8 ± 1.1 | 0.7 ± 0.4 |
|  |  |  |  |  |  |
| Sinusoidal trials |
| 0-20% MVC | 9.8 ± 0.9 | 11.7 ± 4.2 | 6.9 ± 3.8 | 9.8 ± 2.3 | 2.3 ± 1.5 |
| 10-20% MVC | 14.6 ± 0.9 | 13.2 ± 4.7 | 6.7 ± 3.3 | 9.9 ± 3.8 | 1.6 ± 0.8 |