

S1 Table. Assessment Variables. Values of the three assessment variables (Matching Error, Haptic Feedback and Tracking Error) for each single subject in two phases: Pre training and Post Training.

| Matching Error [deg] | | | |
|----------------------|---------|--------------|-------------|
| Groups | | TIME | |
| NOPT | | PRE | POST |
| | subj1 | 4,037325542 | 4,390700311 |
| | subj2 | 4,222607373 | 3,398613411 |
| | subj3 | 4,867372666 | 4,232426865 |
| | subj4 | 3,650322359 | 4,468002706 |
| | subj5 | 4,045806987 | 3,116858784 |
| | subj6 | 4,3525201 | 4,266748801 |
| | subj7 | 3,289141128 | 3,615496563 |
| | MEAN±SE | 4,0664±0,19 | 3,927±0,2 |
| PT | | | |
| | subj1 | 4,662333759 | 3,439482831 |
| | subj2 | 4,001108605 | 3,89998786 |
| | subj3 | 4,669899772 | 4,405079045 |
| | subj4 | 4,583764101 | 2,977509877 |
| | subj5 | 3,136690096 | 3,046356749 |
| | subj6 | 3,790072457 | 3,81507411 |
| | subj7 | 5,779954873 | 4,174182676 |
| | MEAN±SE | 4,3748 ±0,32 | 3,6797±0,2 |
| | | | |
| PTVTF | | | |
| PTVTFright | subj1 | 4,50058613 | 2,336017134 |
| | subj2 | 5,001670751 | 2,050313611 |
| | subj3 | 3,258464015 | 3,556495033 |
| | subj4 | 5,414464768 | 2,835120512 |
| | subj5 | 4,678098566 | 4,990232833 |
| | subj6 | 5,481393908 | 2,848038771 |
| | subj7 | 4,627267154 | 3,138165126 |
| PTVTFleft | subj8 | 2,794705509 | 2,403280365 |
| | subj9 | 3,616507603 | 2,874065899 |
| | subj10 | 4,04629464 | 3,187204876 |
| | subj11 | 5,649242817 | 2,96384747 |
| | subj12 | 5,011555825 | 3,211832177 |
| | subj13 | 5,155057601 | 3,32620632 |
| | subj14 | 5,122341507 | 3,035746565 |
| | MEAN±SE | 4,597 ±0,23 | 3,054±0,18 |

| Haptic Feedback [Nm] | | | |
|----------------------|---------|----------------|------------------|
| Groups | | TIME | |
| NOPT | | PRE | POST |
| | subj1 | 0,026010067 | 0,030160443 |
| | subj2 | 0,015099919 | 0,014667181 |
| | subj3 | 0,022422705 | 0,02414724 |
| | subj4 | 0,017102957 | 0,011694713 |
| | subj5 | 0,019330243 | 0,01664568 |
| | subj6 | 0,012531053 | 0,012433142 |
| | | | |
| | MEAN±SE | 0,01875±0,002 | 0,018291±0,003 |
| PT | | | |
| | subj1 | 0,018578801 | 0,014327521 |
| | subj2 | 0,029734237 | 0,024298708 |
| | subj3 | 0,022578744 | 0,022664995 |
| | subj4 | 0,022847786 | 0,009830299 |
| | subj5 | 0,011924999 | 0,014688369 |
| | subj6 | 0,021698784 | 0,024031905 |
| | subj7 | 0,021232672 | 0,017977434 |
| | MEAN±SE | 0,021228±0,002 | 0,01826±0,002 |
| | | | |
| PTVTF | | | |
| PTVTFright | subj1 | 0,017614587 | 0,010151519 |
| | subj2 | 0,023629938 | 0,01558902 |
| | subj3 | 0,019268121 | 0,017482635 |
| | subj4 | 0,011949863 | 0,008122108 |
| | subj5 | 0,028041483 | 0,014805083 |
| | subj6 | 0,02373121 | 0,021568796 |
| | subj7 | 0,028412384 | 0,016385963 |
| PTVTFleft | subj8 | 0,01817601 | 0,015154527 |
| | subj9 | 0,022781793 | 0,012500163 |
| | subj10 | 0,027158389 | 0,020617811 |
| | subj11 | 0,011486961 | 0,008009111 |
| | subj12 | 0,030776474 | 0,018556238 |
| | subj13 | 0,013998639 | 0,011486411 |
| | subj14 | 0,027148396 | 0,02402806 |
| | MEAN±SE | 0,02172±0,0017 | 0,015318±0,00131 |

| Tracking Error [deg] | | | |
|----------------------|---------|----------------|---------------|
| Groups | | TIME | |
| NOPT | | PRE | POST |
| | subj1 | 3,360482196 | 3,575038411 |
| | subj2 | 3,83941684 | 4,500760322 |
| | subj3 | 3,761853215 | 3,847875647 |
| | subj4 | 4,102833314 | 4,777716675 |
| | subj5 | 3,726746052 | 3,957520272 |
| | subj6 | 4,355215752 | 4,622779361 |
| | | | |
| | MEAN±SE | 3,8577±0,139 | 4,2136±0,198 |
| PT | | | |
| | subj1 | 4,817689946 | 4,144272587 |
| | subj2 | 3,811179597 | 3,819835995 |
| | subj3 | 3,394258712 | 3,132340064 |
| | subj4 | 3,621353926 | 4,199432619 |
| | subj5 | 4,460139746 | 4,032217711 |
| | subj6 | 3,917432831 | 3,410070274 |
| | subj7 | 3,716675954 | 3,81349912 |
| | MEAN±SE | 3,962676±0,189 | 3,7931±0,1488 |
| | | | |
| PTVTF | | | |
| PTVTFright | subj1 | 3,970962686 | 3,652741769 |
| | subj2 | 3,635740074 | 3,547846991 |
| | subj3 | 4,017571702 | 3,847325937 |
| | subj4 | 4,127132092 | 4,871394274 |
| | subj5 | 3,388204689 | 3,988311245 |
| | subj6 | 3,449413134 | 3,888426807 |
| | subj7 | 3,302359514 | 3,512940858 |
| PTVTFleft | subj8 | 4,402082619 | 4,547421724 |
| | subj9 | 3,773378031 | 4,072772248 |
| | subj10 | 3,933427764 | 4,082374954 |
| | subj11 | 4,840225582 | 4,338083511 |
| | subj12 | 3,610733736 | 4,088163691 |
| | subj13 | 4,111473663 | 4,310220513 |
| | subj14 | 3,804173654 | 3,759966028 |
| | MEAN±SE | 3,88335±0,11 | 4,036±0,1029 |