

Supplementary Table 2. Profiles of intraoperative amplitude of MEPs between groups

Variables	Time	Group P (n=33)	Group R (n=31)	Mean difference (95% CI)	P-value
Deltoid (mV)					
Right	1	111.48 ± 171.17	107.80 ± 137.15	3.69 [-74.13, 81.50]	0.925
	2	454.48 ± 458.91	526.96 ± 456.27	72.48 [-156.33, 301.29]	0.533
	3	674.37 ± 676.17	771.87 ± 765.03	97.49 [-262.77, 457.75]	0.591
	4	749.02 ± 865.34	802.59 ± 713.17	53.57 [-344.10, 451.24]	0.789
	5	703.60 ± 794.88	810.08 ± 711.79	106.48 [-271.42, 484.38]	0.575
Left	1	90.69 ± 111.57	124.73 ± 231.03	34.04 [-55.75, 123.83]	0.462
	2	378.07 ± 465.62	460.07 ± 457.18	82.00 [-148.77, 312.77]	0.484
	3	558.32 ± 700.85	600.44 ± 529.18	42.12 [-269.72, 353.97]	0.788
	4	563.06 ± 671.17	647.44 ± 559.82	84.37 [-225.52, 394.26]	0.588
	5	619.05 ± 688.43	681.44 ± 617.30	62.39 [-265.09, 389.88]	0.705
APB (mV)					
Right	1	525.32 ± 957.19	511.27 ± 565.59	14.06 [-382.06, 410.17]	0.943
	2	1490.80 ± 1727.76	1303.03 ± 1083.71	187.76 [-538.34, 913.86]	0.604
	3	1525.43 ± 1461.14	1870.46 ± 1570.75	345.03 [-412.53, 1102.59]	0.366
	4*	1501.91 ± 1590.70	2318.85 ± 1658.94	816.95 [4.93, 1628.96]	0.049
	5	1615.51 ± 1488.02	2340.39 ± 1881.85	724.88 [-120.14, 1569.90]	0.091
Left	1	357.14 ± 516.17	391.87 ± 380.30	34.73 [-193.02, 262.48]	0.762
	2	1218.63 ± 1356.80	1392.57 ± 1354.43	173.94 [-503.87, 851.75]	0.613
	3	1422.49 ± 1360.74	1888.73 ± 1559.26	466.24 [-263.83, 1196.31]	0.207
	4	1571.12 ± 1277.55	2047.04 ± 1894.58	475.92 [-327.06, 1278.90]	0.247
	5	1769.87 ± 1760.35	1994.23 ± 1558.99	224.36 [-608.60, 1057.31]	0.592
TA (mV)					
Right	1	179.70 ± 371.97	162.36 ± 233.59	17.34 [-139.03, 173.72]	0.823
	2	624.63 ± 913.70	747.66 ± 885.92	123.03 [-327.14, 573.20]	0.590
	3	1414.33 ± 3769.72	943.91 ± 1032.81	470.42 [-930.50, 1871.34]	0.495
	4	833.29 ± 1101.43	1042.14 ± 1088.67	208.84 [-338.78, 756.47]	0.449
	5	816.92 ± 1053.08	850.44 ± 870.34	33.512 [-450.96, 517.99]	0.891
Left	1	160.33 ± 279.43	236.61 ± 422.14	76.27 [-101.57, 254.12]	0.401
	2	657.21 ± 957.77	789.90 ± 855.72	132.69 [-322.21, 587.59]	0.566
	3	821.01 ± 963.53	911.50 ± 951.93	90.49 [-388.46, 569.45]	0.707
	4	870.33 ± 1069.91	1117.23 ± 1304.44	246.91 [-347.67, 841.48]	0.410
	5	910.55 ± 1088.51	1044.21 ± 1207.65	133.66 [-440.18, 707.50]	0.643
AH (mV)					
Right	1	174.61 ± 219.29	258.02 ± 265.58	83.41, (-37.99, 204.80)	0.175
	2	597.47 ± 578.08	828.15 ± 624.20	230.68 [-69.73, 531.09]	0.133
	3	775.89 ± 772.57	1053.73 ± 782.21	277.84 [-110.77, 666.46]	0.158
	4*	758.32 ± 647.20	1251.51 ± 999.10	493.19 [75.11, 911.27]	0.024
	5*	786.50 ± 673.13	1221.02 ± 944.98	434.53 [26.51, 842.55]	0.037
Left	1	301.59 ± 439.06	280.16 ± 236.383	21.43 [-156.42, 199.28]	0.807
	2	730.84 ± 665.76	915.55 ± 761.85	21.43 [-156.42, 199.28]	0.309
	3	957.08 ± 779.03	1264.46 ± 1067.03	307.38 [-157.40, 772.16]	0.191
	4	1060.60 ± 1067.88	1349.23 ± 966.40	288.63 [-221.37, 798.63]	0.262
	5	903.83 ± 677.66	1290.10 ± 929.12	386.27 [140.43, 632.12]	0.061

Values are mean ± SD.

*P < 0.05 between groups P and R.

MEP: motor-evoked potential, P: propofol, R: remimazolam, CI: confidence interval, APB: abductor pollicis brevis, TA: tibialis anterior, AH: abductor hallucis, T1: 30-min after anesthetic induction, T2: 30-min after the surgical incision, T3: after laminectomy or discectomy, T4: immediately after the insertion of plates or fixation of pedicle screws, T5: prior to closing the surgical wound