

Supplementary material to article by Y-P. Pong et al. "Effectiveness of ultrasound-guided vs direct approach corticosteroid injections for carpal tunnel syndrome: A double-blind randomized controlled trial"

Table SIII. Change from baseline in electrophysiological findings of the patients

	SAG (n = 22)		DAG (n = 17)		SAG vs DAG	
	MD (95% CI)	p-value	MD (95% CI)	p-value	MD (95% CI)	p-value
Distal motor latency						
After 1 month	-0.22 (-0.37, -0.07)	0.003**	-0.35 (-0.61, -0.09)	0.008**	0.13 (-0.17, 0.43)	0.397
After 3 months	-0.42 (-0.63, -0.21)	<0.001***	-0.31 (-0.49, -0.12)	0.001**	-0.11 (-0.39, 0.17)	0.432
After 6 months	-0.38 (-0.72, -0.04)	0.029*	-0.22 (-0.48, 0.04)	0.090	-0.16 (-0.58, 0.27)	0.476
Compound muscle action potential						
After 1 month	0.77 (-0.03, 1.57)	0.060	0.37 (-0.78, 1.52)	0.526	0.40 (-1.00, 1.80)	0.579
After 3 months	1.31 (0.26, 2.36)	0.014*	1.11 (-0.38, 2.60)	0.143	0.20 (-1.62, 2.02)	0.829
After 6 months	0.41 (-1.07, 1.88)	0.587	0.57 (-0.84, 1.97)	0.428	-0.16 (-2.19, 1.88)	0.879
Sensory distal latency, peak latency						
After 1 month	-0.07 (-0.23, 0.08)	0.356	0.19 (-0.60, 0.98)	0.641	-0.26 (-1.07, 0.54)	0.524
After 3 months	-0.20 (-0.38, -0.01)	0.037*	-0.16 (-0.24, -0.08)	<0.001***	-0.04 (-0.24, 0.17)	0.726
After 6 months	-0.06 (-0.28, 0.15)	0.575	-0.12 (-0.24, 0.00)	0.053	0.06 (-0.19, 0.30)	0.656
Sensory distal latency, onset latency						
After 1 month	-0.23 (-0.45, -0.01)	0.038*	-0.17 (-0.24, -0.09)	<0.001***	-0.07 (-0.29, 0.16)	0.578
After 3 months	-0.31 (-0.50, -0.12)	0.001**	-0.11 (-0.18, -0.03)	0.007**	-0.21 (-0.41, 0.00)	0.049*
After 6 months	-0.23 (-0.46, 0.00)	0.055	-0.06 (-0.17, 0.06)	0.318	-0.17 (-0.43, 0.09)	0.200
Sensory nerve conduction velocity						
After 1 month	3.00 (0.84, 5.16)	0.006**	1.88 (-0.30, 4.07)	0.092	1.12 (-1.95, 4.19)	0.476
After 3 months	4.82 (2.14, 7.51)	<0.001***	0.59 (-0.95, 2.13)	0.454	4.24 (1.14, 7.33)	0.007**
After 6 months	2.39 (-2.50, 7.29)	0.338	0.29 (-2.13, 2.72)	0.812	2.10 (-3.36, 7.56)	0.451
Sensory nerve action potential amplitude						
After 1 month	5.00 (-0.06, 10.06)	0.053	1.73 (-1.86, 5.32)	0.345	3.27 (-2.93, 9.47)	0.301
After 3 months	1.60 (-4.71, 7.91)	0.619	0.41 (-2.77, 3.59)	0.800	1.19 (-5.88, 8.25)	0.742
After 6 months	1.93 (-7.69, 11.56)	0.694	0.24 (-4.28, 4.76)	0.919	1.70 (-8.94, 12.33)	0.754
Digit4 comparison study						
After 1 month	-0.26 (-0.43, -0.10)	0.002**	-0.25 (-0.42, -0.09)	0.003**	-0.01 (-0.24, 0.22)	0.936
After 3 months	-0.37 (-0.58, -0.16)	<0.001***	-0.20 (-0.36, -0.04)	0.013*	-0.17 (-0.43, 0.09)	0.203
After 6 months	-0.30 (-0.59, 0.00)	0.050	-0.10 (-0.40, 0.20)	0.516	-0.20 (-0.62, 0.23)	0.362

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.

SAG: sonography approach group; DAG: direct approach group; MD: mean difference; CI: confidence interval.