

Supplementary Materials

Table S1

Mean ERPs in designated times windows in the physical pain condition

Time Window	Electrode	Loss group		No-loss group		All	
		Mean	SD	Mean	SD	Mean	SD
ELPP	Fp1	-2.70	12.59	1.53	17.34	-.82	14.99
	Fp2	-3.10	12.67	-3.31	15.43	-3.19	13.93
	F7	-3.76	14.29	-2.81	12.43	-3.34	13.47
	F3	-4.17	12.50	-5.07	13.24	-4.57	12.80
	Fz	-4.44	12.80	-4.37	13.18	-4.41	12.93
	F4	-4.61	12.16	-4.57	13.32	-4.60	12.65
	F8	-5.13	11.72	-4.25	13.81	-4.74	12.66
	T3	-2.82	11.18	-1.70	10.33	-2.32	10.80
	C3	-2.00	12.45	-2.89	11.68	-2.40	12.09
	Cz	-2.93	13.44	-4.11	13.30	-3.45	13.35
	C4	-2.24	11.65	-2.56	12.26	-2.38	11.89
	T4	-1.51	9.94	-2.48	9.98	-1.95	9.94
	T5	3.76	12.64	2.46	10.82	3.18	11.85
	P3	2.37	14.13	2.58	12.30	2.47	13.31
	Pz	-.15	14.44	.44	13.00	.11	13.79
	P4	3.19	13.19	3.12	11.61	3.16	12.48
	T6	3.94	11.04	7.70	13.99	5.61	12.54
	O1	7.34	13.77	7.54	13.36	7.43	13.55
	O2	8.15	13.93	8.64	13.03	8.37	13.50
LLPP	Fp1	1.47	14.00	1.99	18.47	1.70	16.10
	Fp2	2.52	14.67	-1.06	17.54	.93	16.06
	F7	-2.33	14.84	-3.91	17.07	-3.04	15.84
	F3	1.82	13.92	-2.54	15.47	-.12	14.75
	Fz	1.89	13.46	-.23	16.18	.95	14.73
	F4	2.93	13.43	-1.30	14.95	1.05	14.24
	F8	-.09	12.63	-2.56	17.35	-1.19	14.93
	T3	.59	13.57	.33	11.43	.47	12.63
	C3	3.82	14.22	1.74	15.03	2.89	14.59
	Cz	3.44	14.37	1.87	16.69	2.74	15.42
	C4	5.91	12.76	2.63	14.62	4.45	13.68
	T4	3.78	11.07	.11	12.03	2.14	11.62
	T5	6.11	11.99	4.12	12.98	5.22	12.45
	P3	7.73	15.05	7.63	15.94	7.68	15.41
	Pz	7.35	15.62	7.74	17.89	7.53	16.62
	P4	9.53	14.18	7.90	15.13	8.80	14.59
	T6	5.25	11.75	5.56	14.45	5.39	12.98
	O1	4.79	13.61	4.27	14.61	4.56	14.03
	O2	6.32	13.78	5.27	14.10	5.86	13.89
VLLPP	Fp1	2.94	14.04	3.64	19.95	3.25	16.88

Fp2	4.35	14.45	.31	18.04	2.55	16.22
F7	1.05	14.98	.89	18.27	.98	16.48
F3	5.65	12.84	2.64	15.50	4.31	14.12
Fz	5.04	13.42	5.74	16.23	5.35	14.70
F4	5.34	13.39	4.59	14.82	5.01	14.01
F8	3.78	13.27	.46	17.66	2.30	15.43
T3	3.41	12.77	2.98	11.96	3.22	12.39
C3	5.02	13.01	5.57	15.14	5.26	13.96
Cz	4.32	12.48	5.82	16.36	4.99	14.32
C4	5.76	11.27	5.88	14.37	5.82	12.71
T4	3.83	11.25	1.94	10.84	2.99	11.08
T5	2.36	11.23	.57	12.51	1.56	11.82
P3	4.44	12.54	4.55	16.13	4.49	14.21
Pz	3.59	13.09	5.32	18.04	4.36	15.47
P4	4.20	12.84	4.59	15.88	4.37	14.24
T6	-.48	11.88	.13	13.53	-.21	12.61
O1	-1.85	11.58	-2.40	15.38	-2.10	13.37
O2	-1.12	12.01	-1.43	14.58	-1.26	13.18

Table S2

Mean ERPs in designated times windows in the psychological pain condition

Time Window	Electrode	Loss group		No-loss group		All	
		Mean	SD	Mean	SD	Mean	SD
ELPP	Fp1	-1.30	14.64	-1.49	18.52	-1.39	16.50
	Fp2	-2.00	13.36	-1.85	15.77	-1.93	14.48
	F7	-1.86	13.03	-1.34	14.34	-1.62	13.62
	F3	-3.45	12.35	-4.27	11.81	-3.83	12.07
	Fz	-3.24	12.10	-5.85	10.88	-4.45	11.59
	F4	-4.05	10.75	-4.18	12.13	-4.11	11.38
	F8	-4.89	12.51	-4.44	13.49	-4.69	12.93
	T3	-2.65	12.05	-2.07	12.38	-2.38	12.17
	C3	-1.92	11.34	-4.19	13.43	-2.97	12.36
	Cz	-2.12	12.33	-4.68	13.93	-3.30	13.11
	C4	-3.26	11.74	-3.00	12.72	-3.14	12.17
	T4	-2.95	10.78	-2.63	12.24	-2.80	11.45
	T5	2.81	11.03	5.15	15.21	3.90	13.15
	P3	2.66	12.55	2.33	14.54	2.50	13.47
	Pz	1.19	13.42	-.26	15.87	.52	14.58
	P4	3.01	12.78	3.63	14.36	3.30	13.50
	T6	5.46	14.04	7.82	14.56	6.56	14.28
	O1	7.63	13.20	7.35	16.51	7.50	14.78
	O2	8.48	13.21	9.07	14.05	8.75	13.57
LLPP	Fp1	1.12	15.70	.39	19.40	.78	17.46
	Fp2	2.17	12.44	1.78	17.52	1.99	14.96
	F7	-2.45	13.06	-5.01	18.81	-3.64	15.98
	F3	-.95	11.40	-2.59	15.60	-1.71	13.49
	Fz	.53	12.25	-2.17	15.41	-.72	13.82
	F4	.98	12.11	-.13	15.52	.47	13.77
	F8	-.53	15.06	-2.54	15.66	-1.46	15.32
	T3	-.98	13.16	-.92	11.10	-.95	12.21
	C3	2.72	12.37	.64	13.43	1.76	12.87
	Cz	2.56	13.98	.57	16.00	1.64	14.94
	C4	3.76	14.37	1.09	14.36	2.52	14.38
	T4	2.79	12.41	-.19	12.57	1.41	12.53
	T5	5.49	13.34	6.99	13.06	6.18	13.19
	P3	6.67	15.49	8.14	14.52	7.35	15.02
	Pz	6.53	17.05	6.97	15.95	6.73	16.50
	P4	8.36	16.07	7.38	14.90	7.91	15.50
	T6	7.88	15.04	5.66	13.24	6.85	14.24
	O1	5.56	15.51	5.39	16.69	5.48	16.02
	O2	6.81	15.19	5.02	13.81	5.98	14.55
VLLPP	Fp1	1.31	19.37	5.34	19.46	3.18	19.46
	Fp2	.33	13.65	6.44	18.23	3.16	16.18
	F7	-.14	15.01	.63	18.40	.22	16.62
	F3	1.51	12.12	3.41	15.96	2.39	14.02

Fz	1.40	13.29	4.34	16.89	2.76	15.09
F4	2.37	13.78	6.02	16.14	4.06	14.99
F8	.52	15.01	3.45	16.71	1.88	15.84
T3	1.28	13.45	3.09	11.95	2.12	12.77
C3	3.46	12.39	4.77	13.96	4.06	13.12
Cz	2.83	13.96	4.59	17.17	3.65	15.51
C4	3.53	13.90	4.96	14.80	4.19	14.30
T4	2.50	13.03	2.56	13.22	2.52	13.08
T5	.84	13.62	4.34	14.47	2.46	14.09
P3	2.91	14.81	6.26	15.12	4.46	15.01
Pz	3.08	16.52	4.61	16.97	3.79	16.69
P4	3.93	15.33	4.10	17.67	4.01	16.40
T6	2.51	13.84	-.06	15.63	1.32	14.70
O1	-.41	14.46	-.96	17.09	-.66	15.69
O2	.38	14.56	-1.78	15.76	-.62	15.12

Table S3

Mean ERPs in designated times windows in the non-painful condition

Time Window	Electrode	Loss group		No-loss group		All	
		Mean	SD	Mean	SD	Mean	SD
ELPP	Fp1	-2.62	14.14	-3.65	17.02	-3.10	15.51
	Fp2	-4.28	13.99	-5.08	12.39	-4.65	13.23
	F7	-3.61	13.24	-3.66	14.80	-3.64	13.95
	F3	-3.75	11.40	-5.05	13.48	-4.36	12.39
	Fz	-3.21	12.15	-5.84	12.83	-4.44	12.51
	F4	-4.10	11.93	-5.19	13.80	-4.61	12.81
	F8	-4.64	13.73	-4.66	11.68	-4.65	12.77
	T3	-2.35	10.40	-3.22	12.05	-2.76	11.18
	C3	-.63	10.39	-3.84	13.26	-2.13	11.89
	Cz	-1.24	11.53	-4.43	13.38	-2.73	12.49
	C4	-2.12	11.07	-4.23	10.94	-3.10	11.03
	T4	-3.37	10.90	-3.81	10.12	-3.57	10.52
	T5	3.85	10.60	2.14	11.75	3.05	11.15
	P3	3.29	11.32	.47	12.54	1.97	11.95
	Pz	-.02	13.58	-1.72	12.32	-.82	12.99
	P4	3.25	11.59	.96	10.75	2.18	11.23
	T6	4.06	10.48	4.69	13.57	4.36	11.99
	O1	6.82	11.33	6.07	11.19	6.47	11.24
	O2	7.30	13.08	5.92	12.58	6.65	12.83
LLPP	Fp1	.43	16.95	-1.45	15.55	-.45	16.29
	Fp2	.04	14.68	-1.87	14.68	-.85	14.67
	F7	-4.36	15.88	-1.79	15.87	-3.16	15.88
	F3	-1.36	13.45	-1.82	13.30	-1.57	13.34
	Fz	-.27	13.02	-.99	12.82	-.61	12.89
	F4	1.27	14.40	-1.18	13.22	.12	13.88
	F8	-.33	15.71	-.73	14.22	-.52	14.99
	T3	-1.77	14.58	-.92	12.07	-1.37	13.43
	C3	.94	13.67	.83	12.15	.89	12.94
	Cz	1.35	13.69	1.82	13.76	1.57	13.68
	C4	2.80	13.80	1.66	12.20	2.27	13.05
	T4	-.13	13.37	.16	9.71	.00	11.77
	T5	3.87	12.73	4.33	9.55	4.08	11.32
	P3	4.85	14.14	5.35	11.58	5.08	12.97
	Pz	3.05	15.88	5.05	13.88	3.98	14.97
	P4	6.43	14.82	6.30	12.61	6.37	13.79
	T6	4.35	13.00	5.34	10.33	4.81	11.80
	O1	3.21	12.69	5.03	10.05	4.06	11.53
	O2	3.62	13.05	3.88	11.85	3.74	12.47
VLLPP	Fp1	3.90	16.57	4.43	20.20	4.15	18.30
	Fp2	1.75	15.06	.88	17.74	1.34	16.32
	F7	.95	17.54	3.94	18.46	2.34	17.98
	F3	2.22	12.67	2.16	14.59	2.19	13.56

Fz	2.57	12.64	2.71	13.57	2.64	13.04
F4	3.87	14.29	2.92	14.03	3.43	14.13
F8	1.81	14.95	3.03	15.13	2.38	15.00
T3	1.44	14.48	1.92	13.50	1.66	13.99
C3	3.35	13.08	3.40	12.36	3.37	12.71
Cz	3.84	14.33	4.19	14.07	4.00	14.17
C4	4.14	14.20	3.23	13.27	3.71	13.74
T4	1.20	14.51	1.25	11.88	1.22	13.31
T5	2.38	12.71	.72	11.27	1.61	12.05
P3	3.51	14.20	2.48	12.99	3.03	13.62
Pz	2.47	15.82	2.49	14.90	2.48	15.35
P4	4.03	14.99	2.39	14.37	3.26	14.69
T6	.69	13.11	-.12	13.18	.31	13.11
O1	-.43	12.02	-.55	11.61	-.49	11.79
O2	-1.01	13.12	-1.80	12.51	-1.38	12.81
