

Table 1. Clinical data for the 18 patients with cervical dystonia

Patient	Age	Gender	Disease duration (y)	Duration of BTX (y)	Sensory geste score*	Head tremor Score [^]
S1	54	M	20	20	0	0
S2	74	M	18	18	0	0
S3	56	M	7	7	0	0
S4	37	M	0.6	0.5	1	0
S5	69	F	30	10	1	0
S6	55	F	15	10	0	0
S7	59	F	20	18	1	0
S8	65	F	18	18	0	1
S9	65	F	5	4	1	0
S10	50	F	12	12	2	0
S11	49	F	19	11	0	0
S12	37	F	12	12	0	1
S13	77	F	23	20	2	0
S14	65	M	27	27	1	1
S15	55	F	20	3	1	0
S16	73	F	5	0.5	1	1
S17	62	M	15	2.5	0	0
S18	47	F	4	3.5	1	0

*sensory geste score: 0=complete relief by sensory trick; 1=partial relief by sensory trick; 2=no relief offered by sensory trick.

[^]head tremor score: 0=no head movement; 1=head movement <0.5cm; 2=head movement from 0.5 to <2.5 cm; 3=head movement from 2.5 to <5 cm; 4=head movement >5 cm.

Table 2. Mean, standard deviation, and repeated measures GLM of N1, P2 and N60, P150 peak latencies and amplitudes of standard ERP, sMMN as well as aMMN between patients and normal subjects. Measures were acquired at the maximal effect electrodes. Significant group*stimulation type interaction effect was observed only in MMN amplitudes.

		Control	Dystonia		Control	Dystonia	oddball type	Group	group*oddball type
Amplitude	sMMN	-2.7±1.0	-1.7±0.8	aMMN	-1.5±0.5	-1.3±0.6	*F(1,34)=21.5,p=.00	F(1,34)=0.3,p=.86	*F(1,34)=4.5,p=.04
	N60	-2.8±0.7	-2.5±0.7	N1	-0.4±0.5	-0.6±0.5	*F(1,34)=306.5,p=.00	F(1,34)=0.0,p=.86	F(1,34)=3.0,p=.09
	P150	1.3±0.5	1.1±0.5	P2	1.0±0.5	0.7±0.4	*F(1,34)=13.5,p=.00	F(1,34)=4.0,p=.06	F(1,34)=0.0,p=.98
Latency	sMMN	185±21	196±26	aMMN	191±19	186±16	F(1,34)=0.4,p=.62	F(1,34)=0.5,p=.49	F(1,34)=2.7,p=.11
	N60	61±9	60±6	N1	92±15	95±10	*F(1,34)=173.0,p=.00	F(1,34)=.2,p=.70	F(1,34)=.5,p=.47
	P150	162±23	164±27	P2	172±19	163±16	F(1,34)=.35,p=.45	F(1,34)=0.5,p=.47	F(1,34)=1.3,p=.27

* p<0.05