

Supplementary Material

Supplementary Table 1. Blink and masseter reflex latencies respect to the study group.					
Blink reflex	<i>Control</i> (n=122)	<i>T2DM</i> (n=58)	<i>ND</i> (n=21)	<i>ND plus T2DM</i> (n=26)	<i>p*</i>
<i>Left side</i>					
R1 (ms)	10.79 ±1.25	11.29 ±1.26	11.36 ±1.10	12.15 ±1.42	<0.001
R2 (ms)	31.01 ±4.58	34.62 ±5.51	36.25 ±6.24	38.41 ±3.94	<0.001
R2c (ms)	31.05 ±4.65	34.84 ±5.29	36.11 ±6.17	38.70 ±4.25	<0.001
<i>Right side</i>					
R1 (ms)	10.94 ±1.17	11.47 ±1.18	11.24 ±1.39	11.98 ±0.94	<0.001
R2 (ms)	30.91 ±4.25	35.12 ±5.86	35.20 ±5.66	38.06 ±4.50	<0.001
R2c (ms)	30.64 ±4.34	34.97 ±5.99	35.40 ±5.25	37.90 ±4.39	<0.001
Masseter reflex	(n=101)	(n=52)	(n=9)	(n=21)	<i>p*</i>
	3.73±1.60	3.72±1.52	4.18±0.86	4.08± 1.29	0.659

Data are presented as mean and standard deviation. *The p-value was calculated by one-way ANOVA.

Supplementary Table 2. Blink reflex latencies: multiple comparisons* in study groups.

<i>Blink Reflex</i>			<i>p value</i>	<i>Blink Reflex</i>			<i>p value</i>
Left R1	Control	T2DM	0.07	Right R1	Control	T2DM	0.03
		ND	0.24			ND	0.71
		ND plus T2DM	<0.001			ND plus T2DM	<0.001
	T2DM	Control	0.07		T2DM	Control	0.03
		ND	1.00			ND	0.86
		ND plus T2DM	0.02			ND plus T2DM	0.27
	ND	Control	0.24		ND	Control	0.71
		T2DM	1.00			T2DM	0.86
		ND plus T2DM	0.14			ND plus T2DM	0.14
	ND plus T2DM	Control	<0.001		ND plus T2DM	Control	<0.001
		T2DM	0.02			T2DM	0.27
		ND	0.14			ND	0.14
Left R2	Control	T2DM	<0.001	Right R2	Control	T2DM	<0.001
		ND	<0.001			ND	<0.01

		ND plus T2DM	<0.001			ND plus T2DM	<0.001
	T2DM	Control	<0.001		T2DM	Control	<0.001
		ND	0.56			ND	1.00
		ND plus T2DM	<0.01			ND plus T2DM	0.05
	ND	Control	<0.001		ND	Control	<0.01
		T2DM	0.56			T2DM	1.00
		ND plus T2DM	0.45			ND plus T2DM	0.19
	ND plus T2DM	Control	<0.001		ND plus T2DM	Control	<0.001
		T2DM	<0.01			T2DM	0.05
		ND	0.45			ND	0.19
Left	Control	T2DM	<0.001	Right	Control	T2DM	<0.001
R2c		ND	<0.001			ND	<0.001
		ND plus T2DM	<0.001			ND plus T2DM	<0.001
	T2DM	Control	<0.001		T2DM	Control	<0.001
		ND	0.74			ND	0.99
		ND plus T2DM	<0.01			ND plus T2DM	0.06
	ND	Control	<0.001		ND	Control	<0.001

Supplementary Material

	T2DM	0.74		T2DM	0.99
	ND plus T2DM	0.28		ND plus T2DM	0.31
ND plus T2DM	Control	<0.001	ND plus T2DM	Control	<0.001
	T2DM	<0.01		T2DM	0.06
	ND	0.28		ND	0.31

***Tukey post-hoc test. T2DM, Type 2 Diabetes mellitus; ND, Neurocognitive disorder.**

Supplementary Table 3. Blink and masseter reflex latencies by clinical characteristics.

Clinical characteristic	Blink reflex Left side			Blink reflex Right side			Masseter reflex
	R1	R2	R2c	R1	R2	R2c	
	(ms)	(ms)	(ms)	(ms)	(ms)	(ms)	(ms)
Women (n=168)	11.10 ±1.35	32.70 ±5.40	32.79 ±5.52	11.11 ±1.22	32.65 ±5.20	32.46 ±5.30	3.81 ±1.52 (n=131)
Men (n=59)	11.21 ±1.27	34.86 ±5.82*	34.98 ±5.57*	11.55 ±1.14*	34.77 ±6.05*	34.60 ±6.04*	3.75 ±1.51 (n=52)
Literate (n=189)	11.06 ±1.28	32.73 ±5.35	32.85 ±5.41	11.22 ±1.16	32.84 ±5.30	32.57 ±5.36	3.84 ±1.58 (n=157)
Illiterate (n=38)	11.46 ±1.50	35.92 ±5.97*	35.91 ±5.92*	11.26 ±1.45	35.04 ±6.11*	35.25 ±6.09*	3.51 ±1.01 (n=26)
Normal blood pressure (n=184)	11.14 ±1.34	32.98 ±5.70	33.10 ±5.69	11.22 ±1.23	32.90 ±5.56	32.69 ±5.61	3.86 ±1.54 (n=154)
Hypertension (n=43)	11.07 ±1.27	34.46 ±4.90	34.47 ±5.15	11.25 ±1.15	34.52 ±5.08	34.44 ±5.21	3.44 ±1.34 (n=29)
Independent (n=165)	10.91 ±1.25	32.02 ±5.11	32.10 ±5.17	11.10 ±1.18	31.99 ±4.95	31.83 ±5.11	3.74 ±1.62

							(n=141)
Dependent (n=62)	11.72 ±1.35**	36.57 ±5.46**	36.71 ±5.37**	11.56 ±1.24*	36.43 ±5.64**	36.17 ±5.53**	3.98 ±1.05
							(n=42)
Without depression (n=176)	11.10 ±1.35	33.06 ±5.42	33.21 ±5.42	11.26 ±1.16	33.08 ±5.36	32.96 ±5.44	3.83 ±1.58
							(n=151)
With depression (n=51)	11.24 ±1.25	33.96 ±6.10	33.87 ±6.24	11.10 ±1.38	33.63 ±6.01	33.20 ±6.04	3.59 ±1.11
							(n=32)
Data are presented as mean and standard deviation. *p<0.05, **p<0.01. The p-value was calculated by Student's <i>t</i> test or the Mann-Whitney U test.							