

Table S1. Summary of the swings assessed by the Tail Suspension Swing Test (TSST) before (day 0) and after (days 1 to 21) the lesion for the 6-OHDA and SHAM groups, in drug-free (FREE) and after apomorphine (APO) administration for the single (S) and repeated (R) apomorphine administration protocols.

Days	6-OHDA								SHAM							
	FREE				APO				FREE				APO			
	S	25 th 75 th	R	25 th 75 th	S	25 th 75 th	R	25 th 75 th	S	25 th 75 th	R	25 th 75 th	S	25 th 75 th	R	25 th 75 th
0	0.0	-2.0 2.0	/	/	0.0	-2.0 2.0	/	/	0.0	-2.0 2.0	/	/	0.0	-2.0 2.0	/	/
1	10.0* [#]	8.0 10.0	/	/	-5.0* [#]	-7.0 -4.0	/	/	0.0	-2.0 2.2	/	/	0.0	-0.5 1.0	/	/
3	10.0* [#]	7.0 10.0	5.0* [#]	3.8 8.0	-8.0*	-9.0 -3.0	-9.0* [#]	-10.0 -5.5	0.0	0.0 0.0	0.5	-1.5 2.0	0.0	0.0 0.0	1.5	-0.5 3.8
5	9.0* [#]	9.0 10.0	6.0* [#]	0.5 7.8	-10.0*	-10.0 -3.0	-10.0* [#]	-10.0 -10.0	0.0	0.0 0.0	0.5	2.5 2.0	0.0	0.0 0.0	-1.5	-2.5 1.5
7	9.0*	7.0 10.0	6.0* [#]	2.5 7.5	-9.0* [#]	-10.0 -5.0	-10.0* [#]	-10.0 -9.5	0.0	0.0 0.0	0.0	-1.5 1.2	1.0	1.0 1.0	0.0	-1.8 1.8
14	4.5	1.8 8.0	4.0	-2.0 9.0	-8.5* [#]	-9.8 -5.8	-10.0* [#]	-10.0 -9.0	0.0	0.0 0.0	1.0	-0.2 2.2	0.0	0.0 0.0	0.0	-2.2 2.0
21	4.0	-3.0 6.5	-4.0	-7.0 0.0	-8.0* [#]	-8.5 -6.0	-10.0* [#]	-10.0 -10.0	0.0	-2.0 2.5	0.0	-3.5 1.5	-1.0	-2.0 2.5	0.0	-2.0 3.0

Data are presented as median \pm (25th, 75th) percentile.

* Symbol indicating a significant ($p < 0.05$) difference between 6-OHDA and SHAM groups.

Symbol indicating a significant ($p < 0.05$) difference between time points with respect to pre-surgery condition (day 0).

Positive values indicate ipsilateral swings; negative values indicate contralateral swings.

9 **Table S2.** Summary of the turns/min assessed by the Rotational Test (RT) before (day 0) and after (days 1 to 21) the lesion for the 6-OHDA and SHAM groups, in drug-free (FREE) and after
 10 apomorphine (APO) administration for the single (S) and repeated (R) apomorphine administration protocols.

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Days	6-OHDA								SHAM							
	FREE				APO				FREE				APO			
	S	25 th 75 th	R	25 th 75 th	S	25 th 75 th	R	25 th 75 th	S	25 th 75 th	R	25 th 75 th	S	25 th 75 th	R	25 th 75 th
0	0.0	0.0 0.0	/	/	0.0	0.0 0.0	/	/	0.0	0.0 0.0	/	/	0.0	0.0 0.0	/	/
1	0.2 ^{*,#}	-0.4 0.0	/	/	-3.6 ^{*,#}	-4.6 -2.4	/	/	0.0	0.0 0.1	/	/	0.0	0.0 0.0	/	/
3	0.3	-0.6 0.0	0.2 [#]	-0.7 0.0	-3.8	-3.9 -2.8	-7.4 ^{*,#}	-9.4 -5.1	-0.2	-0.2 -0.2	0.0	0.0 0.1	0.0	0.0 0.0	0.0	0.0 0.1
5	0.3	-0.9 0.0	0.2 [#]	-0.4 0.0	-8.2 [#]	-9.6 -0.3	-11.2 ^{*,#}	-13.8 -9.4	-0.1	-0.1 -0.1	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0
7	0.1	-0.4 0.0	0.1	-0.4 0.0	-10.8 [#]	-10.9 -5.4	-14.4 ^{*,#}	-16.0 -7.5	0.0	0.0 0.0	-0.1	-0.1 0.1	0.1	0.1 0.1	0.0	-0.2 0.1
14	0.3 [#]	-0.5 -0.3	0.6 [#]	-0.8 0.1	-8.9 [#]	-12.3 -7.9	-12.5 ^{*,#}	-13.6 -9.9	0.1	0.1 0.1	0.0	0.0 0.1	0.1	0.1 0.1	0.0	0.0 0.2
21	0.1	-0.6 0.0	0.2	-0.6 -0.1	-8.8 [#]	-10.8 -1.6	-11.2 ^{*,#}	-12.2 -7.4	0.0	0.0 0.0	0.2	0.0 0.4	0.0	0.0 0.0	0.0	-0.1 0.3

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Data are presented as median \pm (25th, 75th) percentile.

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* Symbol indicating a significant ($p < 0.05$) difference between 6-OHDA and SHAM groups.

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Symbol indicating a significant ($p < 0.05$) difference between time points with respect to pre-surgery condition (day 0).

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Positive values indicate ipsilateral turns/min; negative values indicate contralateral turns/min.

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