

Table S1 Raw data of automated locomotor activity test.

Group	Day				
	Before	1D	3D	7D	14D
NS	131.7 ± 6.7	132.6 ± 6.1	130.6 ± 6.9	132.8 ± 7.2	130.4 ± 7.5
PD	133.6 ± 6.2	78.1 ± 8.0*	127.7 ± 8.1*	127.7 ± 10.6	128.9 ± 7.6
s-rTMS	129.6 ± 6.9	77.1 ± 7.1*	129.4 ± 10.7*	130.0 ± 10.0	128.2 ± 8.5
rTMS	132.2 ± 7.1	80.5 ± 6.6*	125.5 ± 8.6*	127.0 ± 9.8	128.4 ± 9.7

*, significantly different from NS group, $P < 0.01$

Table S2 Raw data of rotary number.

Group	Day				
	Before	1D	3D	7D	14D
NS	91.4 ± 3.9	92.5 ± 3.6	93.1 ± 3.7	93.3 ± 4.2	93.2 ± 3.8
PD	91.5 ± 5.0	43.1 ± 5.5*	60.8 ± 4.4*	68.6 ± 5.4* [#]	73.1 ± 4.7* [#]
s-rTMS	90.3 ± 4.4	41.4 ± 4.4*	62.5 ± 4.0*	66.1 ± 4.5* [#]	70.7 ± 5.2* [#]
rTMS	91.1 ± 4.3	41.2 ± 6.0*	64.6 ± 5.5*	80.5 ± 4.6*	85.9 ± 3.7*

*, significantly different from NS group, $P < 0.05$; [#], significantly different from rTMS group, $P < 0.05$

Table S3 Raw data of RMT value

Group	Day				
	Before	1D	3D	7D	14D
NS	25.1 ± 1.7	25.0 ± 1.5	25.6 ± 2.2	25.0 ± 2.0	25.5 ± 1.8
PD	25.1 ± 2.0	$22.4 \pm 1.4^*$	$21.9 \pm 1.7^*$	$21.4 \pm 1.9^{* \#}$	$21.3 \pm 1.4^{* \#}$
s-rTMS	25.0 ± 2.0	$21.9 \pm 1.4^*$	$21.3 \pm 1.5^*$	$21.0 \pm 2.3^{* \#}$	$20.9 \pm 1.8^{* \#}$
rTMS	24.9 ± 2.0	$21.8 \pm 2.0^*$	$22.9 \pm 2.2^*$	$23.5 \pm 1.5^*$	$23.9 \pm 1.6^*$

*, significantly different from NS group, $P < 0.05$; #, significantly different from rTMS group, $P < 0.05$

Table S4 Raw data of HPLC-ECD detection

Group	DA (nM/L)	HVA (nM/L)	DOPAC (nM/L)
NS	515.4±90.0	809.9±121.9	1180.1±641.2
PD	151.3±38.5* [#]	593.3±36.45* [#]	409.0±275.6* [#]
s-rTMS	186.0±40.7* [#]	622.39±51.0* [#]	386.8±193.0* [#]
rTMS	258.2±50.4*	711.9±54.0*	936.8±373.6*

*, significantly different from NS group, $P < 0.05$; [#], significantly different from rTMS group, $P < 0.05$

Table S5 Raw data of COD values in immunohistochemical staining.

Group	TH	BDNF	GDNF
NS	0.33 ± 0.04	0.32 ± 0.02	0.42 ± 0.03
PD	$0.22 \pm 0.02^{*\#}$	$0.28 \pm 0.02^{*\#}$	$0.34 \pm 0.03^{*\#}$
s-rTMS	$0.23 \pm 0.03^{*\#}$	$0.28 \pm 0.02^{*\#}$	$0.34 \pm 0.04^{*\#}$
rTMS	$0.28 \pm 0.03^*$	$0.31 \pm 0.02^*$	$0.38 \pm 0.03^*$

*, significantly different from NS group, $P < 0.05$; #, significantly different from rTMS group, $P < 0.05$

Table S6 Raw data of COD values in western blot.

Group	TH	BDNF-homodimer	BDNF-monomer	GDNF
NS	0.84 ± 0.08	0.97 ± 0.07	0.99 ± 0.07	0.87 ± 0.07
PD	$0.69 \pm 0.07^{* \#}$	$0.82 \pm 0.04^{* \#}$	$0.82 \pm 0.04^{* \#}$	$0.70 \pm 0.10^{* \#}$
s-rTMS	$0.70 \pm 0.10^{* \#}$	$0.79 \pm 0.06^{* \#}$	$0.79 \pm 0.06^{* \#}$	$0.68 \pm 0.13^{* \#}$
rTMS	$0.81 \pm 0.07^{*}$	$0.91 \pm 0.10^{*}$	$0.91 \pm 0.10^{*}$	$0.84 \pm 0.09^{*}$

*, significantly different from NS group, $P < 0.05$; #, significantly different from rTMS group, $P < 0.05$