

Supplementary Table 1. Detailed information on the stimulation parameters in the chorea-acanthocytosis

Patient number	Lead and IPG models	Contact settings in evolution	L pulse amplitude (V)	R pulse amplitude (V)	L pulse width (μ s)	R pulse width (μ s)	L pulse frequency (Hz)	R pulse frequency (Hz)
P1 ²⁰	3387 Medtronic [®] ; IPG: ND	R5-, L2-	4.5	4.5	120	120	180	180
P2 ²¹	3387 Medtronic [®] ; Soletra [®]	0-, 4-	3	2.9	90	90	130	130
P3 ²²	3389 Medtronic [®] ; Activa PC [®]	R1-, L9-	2.5	2.5	60	60	130	130
P4 ²³	Model 3387, Medtronic; Soletra, Medtronic	NA	2.9	2.3	60	60	130	130
P5 ⁴	L302 DBS lead; dual-channel PINS DBS implanted pulse generator, PINS	NA	2.6–3.5	2.6–3.6	70–100	70–100	150–165	150–165
P6 ⁴	L302 DBS lead; dual-channel PINS DBS implanted pulse generator, PINS	NA	2.5–3.8	2.5–3.3	80–140	80–110	150–175	150–175
P7 ⁴	L302 DBS lead; dual-channel PINS DBS implanted pulse generator, PINS	NA	2.0–3.0	2.0–3.0	60–80	60–80	135–165	135–165
P8 ⁴	L302 DBS lead; dual-channel PINS DBS implanted pulse generator, PINS	NA	2.5	2.5	90	90	160	160
P9 ⁴	L302 DBS lead; dual-channel PINS DBS implanted pulse generator, PINS	NA	2.0–2.7	2.0–2.7	90–100	90–100	150	150
P10 ⁴	L302 DBS lead; dual-channel PINS DBS implanted pulse generator, PINS	NA	0.0–1.6	1.8–2.5	60	60	130–145	130–145
P11 ²⁴	Quadripolar electrodes (L302, PINS; Medical, China); implanted pulse generator, NA	Left, case (+) and contact-1 (-); right, case (+) and contact-5 (-)	2.2	2.2	60	60	130	130
P12 ²⁵	3387 Medtronic [®] ; Activa PC [®]	Right case (+), contact 1 (-)	2.6	2.6	60	60	100	100
P13 ²⁴	NA	R 1- C +, L 5- C +	3.5	2.5	130	130	60	60
P14 ^{13,27}	3387 Medtronic [®] ; Kinetra [®]	R6-, L2-	3	2	90	90	130	130
P15 ¹²	3387 Medtronic [®] ; Kinetra [®]	R0- 1-, L5- C+	4	3.6	90	90	40	40
P16 ¹²	3387 Medtronic [®] ; Kinetra [®]	L1-2-, R5-6-	4.8	4.5	90	90	60	60
P17 ²⁸	3387 Medtronic [®] ; IPG, NA	R9-, L1-	3	3.2	60	60	60	60
P18 ²⁹	Lead, NA; auto-recharge stimulator, St Jude Medical	R1-, L1-	4	4	212	212	60	60
P19 ³⁰	3387 Medtronic [®] ; Activa PC [®]	R9-11+, L1-3+	5	4	90	120	180	180
P20 ³⁰	3387 Medtronic [®] ; Kinetra [®]	R 4-5-6-, L 0-1-2-	2	2	60	60	130	130
P21 ³⁰	3389, Medtronic [®] ; Kinetra PC [®]	R1-, L5-	2.6	2.6	90	120	140	140
P22 ¹¹	3387 Medtronic [®] ; Itrel II [®]							Ineffective
P23 ²²	3389 Medtronic [®] ; Activa PC [®]	R0-, L9-	2.5	2.5	90	90	130	130
P24 ^{31,32}	3387 Medtronic [®] ; Soletra [®]	R1-, L3-	2.8	2.8	150	150	40	40
P25 ³³	3387 Medtronic [®] ; Itrel II [®]	R0+1-2-, L0-1-2+	3.3	3.5	120	150	160	160
P26 ³³	3387 Medtronic [®] ; Itrel II [®]	R1-, L2-	2.9	3.3	120	120	170	170
P27 ³⁴	3387 Medtronic [®] ; Kinetra [®]	R2-, L5-	4	2.9	60	60	185	185

The “-” symbols demonstrate the minimum to the maximum values during programming. NA, not assessed/not reported; L, left; R, right; IPG, implanted pulse generator; ND, not done; DBS, deep brain stimulation.