SUPPLEMENTARY DATA

 Table e1: Example of patient diary.

			Type of symptoms	Duration of symptoms (min)	Severity of symptoms	
Motor even	ıts	Convulsion*				
		Seizure*				
		Stiffness				
		Abnormal movement	Х	5	2	
		Tremor				
		Speech disorder				
		Abnormal eye movements				
		Partial/total weakness of a limb				
Non-motor events		Fatigue				
		Disorientation				
		Headaches				
		Sleep disorder				
		Mood switch				
		Other				
Severity co	de					
1 No c	No change in daily activity; no need for medication or medical intervention					
2 Parti	Partial change in daily activity while medication or medical intervention is not mandatory					
3 Char	Change in daily activity with medication or medical intervention needed					

* No patient reported convulsions/seizures during the course of this study.

SUPPLEMENTARY DATA

		Patients						
		P1	P2	P3	P4	P5	P6	
Gender		F	F	М	М	М	М	
Age		23	20	7	14	16	47	
Age of onset		1.5	1.5	2	3.5	2.5	14	
CSF/plasma glucose		0.50	0.40	0.44	-	0.42	-	
SLC2A1 mutation		c.880T>C	c.425T>A	c.940G>A	c.34C>T	c.34C>T	c.34C>T	
		p. Ser294Pro	p. Met142Lys	p. Gly314Ser	p.Leu12Phe	p.Leu12Phe	p.Leu12Phe	
Main permanent manifestations		Cerebellar	Mental	Learning	Segmental	Generalized	Pyramidal	
		ataxia;	retardation;	disability;	dystonia;	dystonia;	syndrome	
		attention	cerebellar	mild ataxia;	pyramidal	pyramidal		
		deficit	ataxia	pyramidal	syndrome	syndrome		
				syndrome				
Main paroxysmal manifestations		Dystonia;	Dyskinesia	Dyskinesia;	Fatigue;	Dyskinesia;	Dystonia;	
		headache		ocular	headache	fatigue;	fatigue;	
				movement;		headache	headache	
				headache				
ခ္ခ Motor	Hyperkinetic	3	14	4	0	12	54	
Baseline Baseline	movement disorders							
Ba	Other ^a	3	2	6	1	0	0	

Table e2: Main characteristics of patients with GLUT1 deficiency and detailed response to treatment.

^a speech disorder, partial/total weakness of a limb, abnormal eye movement; ^b disorientation, headache, mood switch.

SUPPLEMENTARY DATA

Table e2: continued

			Patients					
			P1	P2	P3	P4	P5	P6
ne	Non	Fatigue	1	1	2	6	16	2
Baseline	motor	Headache	1	1	0	7	3	2
B		Other ^b	2	2	1	12	0	27
		Total	10	20	13	26	31	85
int	Motor	Hyperkinetic	2	7	0	0	1	0
ıtme		movement disorders	s					
Treatment		Other ^a	0	0	3	0	0	0
2	Non	Fatigue	0	0	0	0	0	0
	motor	Headache	0	0	2	0	0	0
		Other ^b	2	0	0	0	0	0
		Total	4	7	5	0	1	0
al	Motor	Hyperkinetic	9	9	1	1	15	39
Withdrawal		movement disorders						
'ithd		Other ^a	0	0	0	0	0	1
8	Non	Fatigue	0	1	3	4	16	8
	motor	Headache	1	0	1	15	5	7
		Other ^b	0	1	0	0	0	8
		Total	10	11	5	20	36	63

^a speech disorder, partial/total weakness of a limb, abnormal eye movement; ^b disorientation, headache, mood switch.