

eTable 1: auxiliary examinations in the patient

Items	Results	
	Acute phase	Recovery phase
^a Neuronal cell surface antibodies	(CSF/serum)	(CSF/serum)
Anti-D2R (first admission)	(-/1:32)	-
Anti-D2R (second admission)	(1:1/1:100)	-
Anti-D2R (third admission)	-	(-/-)
^b Anti-NMDAR	(-/-)	(-/-)
^b Anti-AMPA1	(-/-)	(-/-)
^b Anti-AMPA2	(-/-)	(-/-)
^b Anti-LGI1	(-/-)	(-/-)
^b Anti-CASPR2	(-/-)	(-/-)
^b Anti-GABA _B	(-/-)	(-/-)
^b Anti-DPPX	(-/-)	(-/-)
^b Anti-IgLON5	(-/-)	(-/-)
Anti-GlyR α 1	(-/-)	(-/-)
Anti-GABA _A α 1	(-/-)	(-/-)
Anti-GABA _A β 3	(-/-)	(-/-)
Anti-GABA _A γ 2	(-/-)	(-/-)
Anti-mGluR5	(-/-)	(-/-)
Anti-Neurexin-3 α	(-/-)	(-/-)
Anti-GAD65	(-/-)	(-/-)
^c Onconeuronal antibodies	(CSF/serum)	
^d Anti-Hu	(-/-)	(-/-)
^d Anti-Yo	(-/-)	(-/-)
^d Anti-Ri	(-/-)	(-/-)
^d Anti-CV2	(-/-)	(-/-)
^d Anti-Ma2	(-/-)	(-/-)
^d Anti-Amphiphysin	(-/-)	(-/-)

^d Anti-Ma1	(-/-)	(-/-)
^d Anti-SOX1	(-/-)	(-/-)
^d Anti-Tr(DNER)	(-/-)	(-/-)
Anti-Zic4	(-/-)	(-/-)
Anti-PKC γ	(-/-)	(-/-)
Anti-Recoverin	(-/-)	(-/-)
Anti-Titin	(-/-)	(-/-)
Cerebrospinal fluid	(-)	(-)
Glucose	(-)	(-)
Protein	(-)	(-)
Microbiological analyses	(-)	(-)
Oligoclonal Band	(-)	(-)
Hematologic test results		
WBC (normal range $<9.5 \times 10^9/L$)	$11.29 \times 10^9/L$	$7.94 \times 10^9/L$
NEUT% (normal range $<75\%$)	77.3%	69.2%
LYMPH% (20% $<$ normal range $<50\%$)	9.1%	23.9%
MONO% (3% $<$ normal range $<10\%$)	8.1%	6.1%
EO% (0.4% $<$ normal range $<8.0\%$)	4.9%	0.7%
BASO% (0 $<$ normal range $<1\%$)	0.6%	0.1%
ESR (normal range <21 mm/h)	104.0 mm/h	30.0
CRP (normal range <5 mg/L)	66.10 mg/L	1.90 mg/L
IL-6 (normal range <7 pg/ml)	69.41 pg/ml	<1.50 pg/ml
PCT (normal range <0.046 ng/ml)	0.65 ng/ml	0.06 ng/ml
^e Infection tests	(-)	(-)
^f Immunological test results (serum)	(-)	(-)
^g Thyroid profile (serum)	(-)	(-)
Neuropsychological tests		
Stroop test	+++	++
Raven Progressive Matrices	+++	+

Tower of London Test	++	++
BVMT-Rd	++	+
WMS-III SST	+	+

*a= cell-based assay (The cell-based assay was performed on fixed HEK293 cells) *b= cell-based assay (EUROIMMUN, Germany) *c= dot immunobinding assay *d= dot immunobinding assay (EUROIMMUN, Germany) *e= novel coronavirus (nasopharyngeal swabs and serum), treponema pallidum (serum), herpes simplex virus 1/2 (secretions), human immunodeficiency virus (serum), mycobacteria (Cerebrospinal fluid), Epstein-Barr virus (Cerebrospinal fluid) *f= anti-streptolysin O, anti-nuclear antibody, anti-SS-A and SS-B, anti-dsDNA, anti-Smith antibodies, rheumatoid factor, anti-Jo-1, anti-Ro-52, anti-Scl-70 *g= Triiodothyronine thyroxine, free thyroxine, free triiodothyronine, thyroid-stimulating hormone, thyroid globulin antibody, thyroid peroxidase antibody.

-: no data or negative

+: no cognitive deficits (standard scores > 75% of same norm group)

++: moderate cognitive deficits (standard scores ranging from 25% to 75% of same norm group)

+++: severe cognitive deficits (standard scores < 25% of same norm group)

Abbreviation: Dopamine 2 receptor= D2R; N-methyl-D-aspartate receptor= NMDAR; α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor= AMPAR; leucine-rich glioma-inactivated protein 1= LGI1; contactin-associated protein-like 2= CASPR2; gamma-aminobutyric acid-B receptor= GABA_B; dipeptidyl-peptidase-like protein-6= DPPX; glycine= Gly; gamma-aminobutyric acid-A receptor= GABA_A; metabotropic glutamate receptor 5= mGluR5; anti-Glutamic acid decarboxylase= anti-GAD; anti-neuronal nuclear antibodies type 1= anti-Hu; anti-cytoplasmic purkinje cell antibodies= Anti-Yo; anti-neuronal nuclear antibodies type 2= anti-Ri; double-stranded deoxyribonucleic acid= dsDNA; Anti-SS-A(Ro) and anti-SS-B(La) autoantibodies= Anti-SS-A and SS-B; anti-aminoacyl tRNA synthetase= anti-tRNA synthetase

ntetase antibodies= anti-Jo-1; White blood cell= WBC; neutrophil ratio=NEUT;
monocyte ratio=MONO; lymphocyte ratio= LYMPH; eosinophil ratio= EO; bas
ophil ratio= BASO; Erythrocyte sedimentation rate= ESR; C-reactive protein=
CRP; interleukin-6= IL-6; procalcitonin= PCT; Brief Visuospatial Memory Test-
Revised= BVMT-R; Wechsler Memory Scale-III Spatial Span Test= WMS-III S
ST.