

Appendix 1 (as submitted by authors): Supplementary information

Neuroimaging

CT cerebral venography of the head with contrast was normal. Vein of Galen and straight sinuses were patent.

MR angiogram head without contrast was normal.

MRI cervical spine showed minor degenerative changes in the cervical spine without significant central or foraminal narrowing at any level. There were no intramedullary signal changes.

CT chest, abdomen, and pelvis with contrast were negative for malignancy.

Electrodiagnostic studies:

Electroencephalogram showed rare left frontotemporal low to moderate voltage 3-4 hz slow waves without epileptiform activity or electrographic seizures.

There was no evidence of spontaneous motor unit action potentials at rest on electromyography.

Laboratory tests:	Results	Value	Reference range
Lactate	Normal	0.5	(< 2.1 mmol/L)
Ammonia	Normal	39	(18-50 mmol/L)
Thyroglobulin antibody	Normal	< 1	(<4 IU/ml)
Thyroid peroxidase antibody	Normal	2	(< 9 IU/ml)
TSH	Low	0.24	0.45-5.33 IU/ml)
Peroxidase antibody:			
C22:0	Normal	45.5	<=96.3 nmol/mL
C24:0	Normal	31.3	<=91.4 nmol/mL
C26:0	Normal	0.61	<=1.30 nmol/mL
C24:0 to C22:0 Ratio	Normal	0.69	<=1.39 ratio
C26:0 to C22:0 Ratio	Normal	0.013	<=0.023 ratio
Pristanic Acid	Normal	0.06	<=2.98 nmol/mL
Phytanic Acid	Normal	0.35	<=9.88 nmol/mL
Pristanic/Phytanic	Normal	0.17	<=0.39 ratio

Laboratory tests:	Results	Value	Reference range
Blood Toxicology:			
Arsenic	Normal	< 2	(< 23 mcg/L)
Copper	Normal	1026	(810 - 1,990 ug/L)
Lead	Normal	< 1	(<5 ug/dL)
Mercury	Normal	< 2	(<11 mcg/L)
Cerebrospinal fluid:			
CSF white blood cell count (WBC)	Normal	< 3/ cu mm	(0 - 5 /cu mm)
CSF glucose	Normal	49 mg/dl	(40 - 80 mg/dL)
CSF VDRL	Negative		
CSF West Nile IgG and IgM antibodies	Negative		
CSF Lyme antibody	Negative		
CSF Toxoplasma gondii DNA (PCR)	Negative		
CSF Cytomegalovirus (CMV) DNA, quantitative	Negative		
Herpes simplex Virus (HSV) DNA, PCR CSF	Negative		
CSF EBV DNA, PCR	Negative		
CSF Varicella Zoster, PCR	Negative		
CSF bacterial culture with gram stain	Negative		
CSF fungal culture	Negative		
TB QuantiFERON gold	Negative		
CSF India Ink prep	Negative		
CSF AFB cultures (3)	Negative		
CSF IgG index	Normal	0.7	(0.3 - 0.7 Ratio)
CSF Oligoclonal bands	Negative		