

Table S1. Diagnostics.

Bone-marrow puncture: inconspicuous

Autoimmunological disorders

ANA
c-ANCA
AK against PR3
p-ANCA
Myeloperoxidase
Complement C3
Complement C4
Total complement activity CH50
Neuronal ab (CSF, serum)
Ganglioside ab (CSF, serum)
TSH receptor ab

Paraneoplastic disorders

Alpha-fetoprotein
Beta-HCG

Microbiology

Human herpesvirus PCR test
(including HHV-1, -2, -3, -4, -5, -6)

Serology:

Borrelia burgdorferi: IgM and IgG
C. pneumoniae: IgA and IgG
C. psittaci: IgA and IgG
C. burnetii: IgM and IgG
M. pneumoniae: IgG borderline test result, IgM and IgA
L. pneumophila: IgM and IgG
TPHA
Toxoplasmosis
C. jejuni: IgA and IgG
Yersinia: IgM, IgA and IgG
Leptospira IgM and IgG
Hantavirus: IgM and IgG
Sandfly fever virus: IgM and IgG
Rubulavirus: IgG positive, IgM
Morbili virus: IgG positive, IgM
FSME virus: IgM and IgG, IgG ab Liquor
Rubella virus: IgG positive, IgM
HIV 1/2 ab + p24Ag
QuantiFERON TB gold plus test: not determinable

}
negative

}
without

Serum antibodies (IIFT)

Borna disease: IgM/ IgG
Sandfly fever virus
Usutu virus: IgM/ IgG
Rickettsia typhi
Naegleria fowleri
Rabies virus
16S rDNA PCR
18S rDNA PCR

}
negative

CSF

Meningitis-multiplex-PCR (BIOFIRE FILMARRAY ME Panel)
Human herpesvirus PCR test
(including HHV-1, -2, -3, -4, -5, -6)
16S rDNA PCR
Borrelia
JC virus DNA
Borrelien-Serology
18S PCR
Flavivirus
VSBV-1 (variegated Squirrel Bornavirus)
BoDV-1 (Borna Disease)

}
negative

Anti-Neuronal Antibodies IgG (IFT)

Anti

-Aquaporin-4
-Glutamat-Rezeptors (Typ NMDA)
-CASPR2
-Hu
-Ri
-ANNA-3
-Yo
-Tr/DNER
-Myelin
-Ma/ta
-GAD65
-Amphysin
-GABA-b-Rezeptors
-LGI1
-CARPVIII
-Glycin-Rezeptors
-mGluR1
-mGluR5
-GABA-a-Rezeptors
-Rho GTPase activating protein 26
-Recovirus
-GluRD2
-Flotilin
-ITPR1
-Homer3
-Neurochondrin

}
negative

Nested-PCR from lung, heart and brain tissue

Echovirus
Parvovirus B19
Humane Herpes virus 6, 7, 8
Epstein Barr Virus
Adenovirus
Human Cytomegalovirus
Herpes simplex 1 and 2 virus
Varizella zoster virus
Toxoplasma gondii
Borrelia burgdorferi

}
negative

Abbreviations: CSF = cerebrospinal fluid, ab = Antibodies, Ag = antigene