|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | Measure | Reference range | Day 1 | Day 4 | Day 5 | Day 7 | Day 14 | Day 18  | Day 29 |
| CSF | WBC (n/mmc) | <5 | 4 |  |  | 10 |  |  | 4 |
| RBC (n/mmc) | None | None |  |  | 1000 |  |  | None |
| Protein (mg/dl) | <50 | 42 |  |  | 107 |  |  | 228 |
| Albumin (mg/dl) | <35 |  |  |  | 40.7 |  |  | 115 |
| IgG (mg/dl) | <3.4 |  |  |  | 34.9 |  |  | 73.1 |
| Link index | 0.33-0.66 |  |  |  | 0.64 |  |  | 0.55 |
| Barrier index | <7.4 |  |  |  | 15.4 |  |  | 38.8 |
| Oligoclonal bands | absent |  |  |  | absent |  |  | absent |
| HSV1 DNA (PCR Real Time)  |  |  |  |  | Negative |  |  | Negative |
| HSV2 DNA (PCR Real Time)  |  |  |  |  | Negative |  |  | Negative |
| VZV DNA (PCR Real Time) |  |  |  |  | Negative |  |  | Negative |
| CMV DNA (PCR Real Time) |  |  |  |  | Negative |  |  | Negative |
| EBV DNA (PCR Real Time) |  |  |  |  | Negative |  |  | Negative |
| HHV6 DNA (PCR Real Time) |  |  |  |  | Negative |  |  | Negative |
| Enterovirus RNA (PCR Real Time) |  |  |  |  | Negative |  |  | Negative |
| SARS-CoV-2 RNA (RT-PCR Real Time) **¶** |  |  |  |  | Negative |  |  | Negative |
| VDRL |  |  |  |  | Negative |  |  | Negative |
| TPHA | >1:80 positive |  |  |  | Negative |  |  | Negative |
| Anti-NMDA-R |  |  |  |  |  |  |  | Negative |
| Anti-CASPR2 |  |  |  |  |  |  |  | Negative |
| Anti-GABAb |  |  |  |  |  |  |  | Negative |
| IL-12p70 (pg/ml) | NA | Undetectable |  |  | Undetectable |  |  | Undetectable |
| TNF-alfa (pg/ml) | NA | Undetectable |  |  | Undetectable |  |  | Undetectable |
| IL10 (pg/ml) | NA | Undetectable |  |  | 1 |  |  | Undetectable |
| IL6 (pg/ml) | NA | 2.6 |  |  | 9 |  |  | 4.1 |
| IL1beta (pg/ml) | NA | Undetectable |  |  | Undetectable |  |  | Undetectable |
| IL8 (pg/ml) | NA | 92 |  |  | 174 |  |  | 98 |
| Serum | Anti-ganglioside IgG |  | Negative |  |  |  |  |  |  |
| Anti-ganglioside IgM |  | Negative |  |  |  |  |  |  |
| Anti-SARS-CoV-2 N protein IgM+IgG **§** |  | Negative |  |  |  |  |  |  |
| Anti-SARS-CoV-2 Spike IgG (U/ml) **§** | <0.8 negative | 0.59 |  |  | 58.2 |  | 135 |  |
| Anti-CMV IgM |  | Negative |  |  |  |  |  |  |
| Anti-CMV IgG |  | Positive |  |  |  |  |  |  |
| Anti-EBV (VCA) IgM |  | Negative |  |  |  |  |  |  |
| Anti-EBV (VCA) IgG |  | Positive |  |  |  |  |  |  |
| Anti-HCV IgG |  |  |  |  |  |  | Negative |  |
| HBsAg |  |  |  |  |  |  | Negative |  |
| Anti-HEV IgG |  |  |  |  |  |  | Negative |  |
| B12 vitamin (pg/ml) | 145-914 |  |  |  | 354 |  |  |  |
| Folic Acid (ng/ml) | 3.1-19.10 |  |  |  | 4.7 |  |  |  |
| Anti-NMDA-R |  |  |  |  |  |  |  | Negative |
| Anti-AMPA 1/2  |  |  |  |  |  |  |  | Negative |
| Anti-DPPX |  |  |  |  |  |  |  | Negative |
| Anti-CASPR-2 |  |  |  |  |  |  |  | Negative |
| Anti-GABAb |  |  |  |  |  |  |  | Negative |
| Anti-LGI1 |  |  |  |  |  |  |  | Negative |
| Anti-AQP4 |  |  |  |  |  |  |  | Negative |
| Anti-MOG  |  |  |  |  |  |  |  | Negative |
| ANA reflex | <1:80 |  | 1:80 |  |  |  |  |  |
| IL-12p70 (pg/ml) |  | Undetectable |  |  | Undetectable |  |  |  |
| TNF-alfa (pg/ml) | 8.1 | 1 | Undetectable |  | Undetectable |  |  | 3 |
| IL10 (pg/ml) |  | 1 |  |  | 1 |  |  |  |
| IL6 (pg/ml) | 6.4 | 2.3 | 16.3 |  | 7.5 |  |  | 5.7 |
| IL1beta (pg/ml) |  | Undetectable |  |  | undetectable |  |  |  |
| IL8 (pg/ml) | 70 | 2 | 1 |  | 2 |  |  | 5 |
| Anti-neurofascin155 IgG (ELISA assay) \* |  |  |  |  |  |  |  | Positive |
| Anti-contactin-1 (ELISA assay) \* |  |  |  |  |  |  |  | Negative |
| Anti-CNTN-1/CASPR-1 complex (cell-based assay) \* |  |  |  |  |  |  |  | Negative |
| Stool | Salmonella |  |  |  |  | Negative |  |  |  |
| Shigella |  |  |  |  | Negative |  |  |  |
| Campylobacter |  |  |  |  | Negative | Negative |  |  |
| Nasopharingeal swab | SARS-CoV-2 RNA (RT PCR) ¶ |  | Negative |  | Negative | Negative (14/3) | Negative (17/3) |  |  |

¶ SARS-CoV-2 ELITe MGB Kit; ELITechGroup, Torino, Italy.

§ The Elecsys® Anti-SARS-CoV-2 ECLIA assay; Roche Diagnostics AG, Rotkreuz, Switzerland.

\* ELISA assays and cell-based assay (HEK293T cells transfected with human contactin-1 and CASPR-1) performed at the Neuroimmunology Laboratory of Mondino Hospital, Pavia, Italy.